

COMPANY PROFILE



Advanced Software Development
Blending Innovation & Dynamism

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About ASD

Advanced Software Development [ASD] is a global Product Engineering & Enterprise Solutions company with a strong background in development and implementation. Our approach is to deliver total solutions to customers leveraging our deep industry, technology and product expertise, along with our strategic global partnerships and alliances.

ASD has been delivering Product Engineering Services and technology-driven Business Solutions that meet the strategic objectives of our clients by leveraging our domain and business expertise and partnerships and alliances with leading technology providers.

Our passion for technology and our business acumen ensures that our client engagements meet both the business and technology expectations and are delivered on-time; within budget, with the highest quality output.

Committed to delivering enduring stake holder value, ASD collaborates with its customers and partners to facilitate them to become high performance businesses. ASD delivers unmatched business value to its customers through a combination of process excellence, quality frameworks and technology innovation.

Our Mission

We are deeply committed to become a successful global company leveraging the creativity and hard work of our bright and passionate individuals and positioning their services to the global market.

Our Vision

We envisage to be the center of excellence in software development and services ranking among the top ten fastest growing companies in Asia.

Our Objectives

To increase revenue by 50% annually through commitment, innovation and dedication. To become one of the leading local software providers. Have at least 5 Offshore Development Centers (ODC) through ASD and other overseas marketing effort. Maintain R& D Focus on the futuristic domain. Employ more than 100 professionals.

Our Team

SD has brought together superior management professionals, software architects, programming experts, system analysts, creative designers and mid-level managers with educational backgrounds comprising computer science, engineering, business and finance. Our business and system analysts have wide range of domain experience including Financial, Manufacturing and Telecom industries. On the other hand, our technical professionals have experience in various industry standards, including Web Services, Struts, EJB, COM+, CORBA, Java – J2SE, J2EE, J2ME, XML, XSL, PHP, ASP, JSP, C++/VC++, C and SQL.

Our Services

Advanced Software Development is primarily an international standard software house providing comprehensive enterprise solutions to meet the reality of a company's complex and dynamic business environment. Our aim is to empower clients with IT solutions, delivering products to clients through software applications that run on heterogeneous platforms, specifically designed to help companies meet today's business challenges.

ASD combines reliability, flexibility, high performance, ease of use, and superior customer service to deliver a comprehensive and easy-to-implement answer to all kind of software solutions.

- Software Development
- Web Development
- ERP Solution
- Mobile Application
- Web hosting
- E-Commerce Solution
- IT Enabled Services

Software Development

We believe that any software project is possible. We have the knowledge, skills and expertise to develop any mission-critical custom software solution, whether you require development of a complete application, application component, application integration, or QA/QC. We provide innovative custom software solutions that are unsurpassed in today's marketplace, and we are able to deliver these solutions to our clients in a manner that assists them in achieving their business objectives.

ASD has extensive expertise offering custom software development services on the following platforms:

- Windows OS, Mobile, 2000, NT4, XP, 64-bit
- Linux
- Symbian OS
- TCP/IP and various protocols for client/server solutions
- .NET / J2EE / PHP

We pride ourselves on our team's knowledge and skills. Our developers have an average of five years development experience coding and working with numerous programming languages, protocols, platforms and operating systems, frameworks, tools and technologies. Our experience and technical competence allow us to meet the unique needs of each of our clients.

Principal directions of our activities are as follows:

- Research and selection of the optimal technologies
- Research of data domain and creation of detailed specifications for a project
- Creation of prototypes and demo versions
- System planning [selection of architecture, creation of interaction protocols and technical specifications for separate modules, etc.]
- System implementation [creation of specifications for system modules, coding, QA]

- Creation of project documentation [system architecture and protocols description, source code detailed description [in addition to built-in comments in code), etc.]
- Creation of end-user documentation (User's Manual, Troubleshooting, Installation Guide, etc.)
- Product support [implementation of extra features, source code consulting, etc.]

Main types of products to be created are as follows

- Client-server applications
- GUI of arbitrary complexity level (including 3D, sound application, etc.)
- Application with sophisticated algorithms
- Image processing applications
- System drivers (VxD, WDM, WinNT Sys drivers)
- Back-end software for web-sites
- High-optimized server software

We have an established reputation as a low-maintenance development partner that can work independently, or as an extension of our client's development team, allowing our clients to focus on their core business. We are able to take projects from conception to completion and deliver results on time and on budget.

Web Development

ASD offers complete web application development and web integration services. We offer a full range of web development and web integration solutions that employ powerful tools such as XML, .Net, ASP and J2EE. We recognize that each company has unique business requirements that drive their adoption and use of Internet technology. As a result, we work closely with our clients to develop innovative web development and web integration solutions that meet their individual needs.

Our team is sensitive to the total cost of ownership and to the time to deployment required by our clients. We work within our client's existing asset base of applications to further leverage value from these resources, develop new applications, and integrate them fully within our client's existing framework. This allows us to provide a better integrated solution and allows our clients to deploy the solution more quickly.

We offer B2B and B2C web development and web integration services in the following areas:

- Integration of data and analytic web services to internal and external business applications
- Application to application integration
- Website and e-business application development using the latest online technologies, including .Net, J2EE, XML, CSS, and C#.
- Custom database development
- Integration of proprietary data sources with web applications

Secure solutions, including secure access and data transfer with technologies such as SSL and digital signatures ASD's team can provide cost-effective and rapidly deployable web development and web integration solutions that allow your company to leverage the communication potential of the Internet.

Mobile Application

Today, wireless networking is following in the footsteps of the Internet – and quickly catching up. Wireless applications are fast becoming the preferred mode of communication for people on the go. The remarkable technological breakthroughs that have taken place in the wireless networking domain have led to the emergence of thriving mobile communities that deliver content-rich applications for the high-end mobile devices that are now readily available.

In keeping with these trends, ASD has harnessed mobile technologies for diverse platforms like Symbian, J2ME, iPhone, Win CE, among others. ASD made its initial entry into the wireless sphere with the development of stand-alone applications on first-generation handheld devices and then quickly graduated to delivering

Stand-alone applications for numerous online mobile communities that could transfer data over the air.

Over the years, ASD has undertaken extensive projects, empowering the wireless revolution with innovative solutions aimed at enhancing user experience. Armed with a thorough grounding in mobile community development, ASD excels in providing secure and scalable communications platform for mobile applications over Bluetooth, GPRS, WLAN, GSM, 3G, SMS and MMS, greatly increasing the versatility and market reach of your network.

ASD offer's you great experience and knowledge when it comes to custom Pocket PC, Smartphone and other handheld device software development, as we have created many mobile software applications both for businesses and individuals. We can help you to carry your business in your pocket, and access your corporate data from anywhere in the world, or provide enhanced service to your customers.

We offer a range of solutions for mobiles, PDA and Smartphones. We use the newest and the most reliable mobile technologies to ensure hassle free performance of smart device software and to make mobile applications compatible across multiple platforms. Our developers have years of experience in design, development and implementation of mobile software offering you inexpensive but powerful applications.

Our top-quality mobile application satisfies real needs with fast development cycles and very competitive rates. ASD produces superior custom mobile applications that address real issues, while being reliable and easy to use, maintain and evolve.

Web Hosting

Advanced Software Development is a standard setting leader providing managed hosting services and applications to Web professionals. Our full range of web hosting products and services will offer your business exactly what it needs to achieve your online goals and objectives. No matter what your Web hosting needs are, ASD, offers a hosting package to suit your business objectives.

Our systems are much more powerful and complete than any of our competitors. Our experience and reputation together with fast processors, lots of memory and storage space, plus high bandwidth allowance and excellent support is what sets us apart from our competition.

Advanced Software Development offers web hosting services to publish and host your web site on the Internet. Our sites run on powerful servers operating the Microsoft NT/2000 Internet Information

Server, Apache on Linux featuring the latest technologies in web hosting services, such as Active Server Pages, PHP, ColdFusion, Perl and JSP.

We would provide a FREE back up of the website. The site will be equipped with powerful features for engaging surfers and ensuring repeat visitors.

We provide comprehensive monthly hit reports indicating the monthly statistics on:

- The total number of visitors to your site
- Page views
- Most frequented paths taken by visitors
- Top referring websites
- Top succeeding websites
- Number of visitors by country of origin
- Top referring search engines
- Top requested keywords, etc.

E-commerce Solution

Today e-commerce has revolutionized the system of communication and commerce. It has brought dramatic transformation in the way the consumers purchase and consume the goods and services at the online auction sites.

The client's at ASD gets the personal attention they deserve and because of which the relationship with our clients are maintained even after the work is done. The customer's at ASD gets immense satisfaction when they get the results that far exceed their expectations.

We provide a wide range of e-commerce solutions to our clients and the positive feedback which we receive from them is a vital ingredient for our success. On the other hand, the positive feedback that our clients receive motivates them to establish stronger relationship with us.

We make your business grow. Our team of professional designer, web developers and internet market has the capability to deliver easy to use and in expensive solutions that can help bring in excellent profits to your company. Some of the services which we provide are:

- Net Banking
- Online Transactions
- Money Transfer
- Online payments
- ASD takes account of both the complicated and the simple way of developing e-commerce solution for our clients.

IT Enabled Services

Advanced Software Development is a Digital Information Service provider. We are providing Media Monitoring Service to our Clients with success since 2004. We are providing our services to different development sectors, NGO's, Bank & Financial Institute, FMCG Sector, Multi Nationals, Telco, University, Newspaper House and Government Sector. We archive News, Information and Resources published in dailies, periodicals and in electronic media. We compile category-based news clippings in digital format as per clients' requirement. Online & LAN based browsing software has been developed for easy and efficient browsing of the clippings with diverse features of sorting & searching. News

clippings are compiled on the basis of category and sub-category in our own software in JPEG format through scanning process with summery. Our online web portal www.emediadesk.com provides an 'access from anywhere' service, which requires no installation of software in your computer and no usage of your hard disk space.

Services of eMediaDesk

- Media Monitoring & Analytical Service
- Advertisement Monitoring Service
- Digital Archive Service

Print Media

- We monitor news and advertisements in almost all the national and regional dailies and magazines.
- We provide category-based NEWS CLIPS and their daily and monthly reports.
- Write SYNOPSIS of category-based news, article, opinions, editorial and post-editorial.
- Provide number of category- or product-based advertisements and their reports — both summery and details.

Broadcast Media

We monitor news, talk-shows, celebrity shows, interviews, commercials, RJ endorsement and other programs in all the Bangladesh-based radio and television channels. We provide category-based NEWS CLIPS and their daily and monthly reports. Write SYNOPSIS of category-based news, talk-shows and other relevant programs. Provide number of category- or product-based commercials and their reports — both summery and details.

Online Media

We monitor prominent news-based websites and provide category-based reports and their synopsis. Website/s out of our coverage can also be monitored on special needs as per the requirement of our partners.

Advertisement Monitoring Service

- All advertisement information (Number of Ad and CI/Inch)
- Percentage of advertisements and news published in newspapers
- Advertiser Report-Total number of ad and CI/Inch
- Category / Industry-Total number of ad and CI/Inch
- Product Report-Total number of ad and CI/Inch
- Government Dhaka & out the site of Dhaka Report-Total number of ad and CI/Inch
- District wise Government Ad information
- Ad Impression report
- Advertisement type (Regular, Panel, Spot, Classified) report etc.

Digital Archive Service

We have developed a dynamic and most effective archival system for newspaper houses to digitalize the hard copy of newspaper. We have developed specialization in creating digital archival of files from original documents and printed version media through special methods and skill. Moreover, we always

use professional grade equipment for high quality image/document scanning. We store printed newspaper digitally and preserve the news in different categories by inputting News Title, Sub-Title, Page Number and Author Name as well. Therefore, our user-friendly system is able to find any news clippings/full page newspaper within a moment from strong and secured database. At the same time, we analyze the interest of your business and try to match the archival value of your materials and preserve it accordingly.

Areas of Expertise

Main Strength of ASD lies in the blend of professionals, specialized and highly focused operation. Increasing customer's awareness is the strength where it excels over its competitors. Our strength lies in our ability to blend current management practice and IT expertise into cost-effective Computer Aided Management Solutions, Products and Services.

- System analysis
- Business process reengineering
- Process development localization
- Customized and target oriented Workflow design
- Specialization in Client / Server and Internet Intranet application and technologies
- Automation of Financial Institutions, Telco-Operators, Electronic Medias & Business Institutions with the latest development
- Customized software development as ancillary product for deployed international software
- Production operations
- Systems Integration
- Project Management
- Change/request implementation
- Project support
- Standby support
- Web based support & solution development
- E-business solutions
- Data conversion & data entry
- Overall automation consultancy
- International software deployment - product development localization



Banking Application

CPS - Cheque Processing Suite

Cheque Processing Suite (CPS) is the complete solution for managing Clearing Cheques, Positive Pay and House Transfer Cheques. With built-in OCR, automated technical verification, automatic queuing and positive pay automation, ASD CPS is the state-of-the-art solution that saves time and cost of Cheque Clearing and increases productivity and customer satisfaction.

Feature of the Product

- CPS is Built on Latest State-of-the-art Web Technology
- Fully Dynamic and Configurable Solution
- Automated Positive Pay System with Email and SMS Integration
- Unlimited Number of Queues/Filter Groups
- Unparalleled Solution with Dynamic Report Designer and Dynamic Email and SMS Automation

Benefits of the Product

- Integrate with Core Banking System through API or MQ
- Demise or Minimize Manual Job
- More Email & SMS, Less Paper Works
- Maximize Automation
- View Role Specific System Heart-Bit/Dashboard and MIS

Highlights

- Outward Clearing
- Inward Clearing
- House Transfer Cheque Processing
- Positive Pay Automation
- OCR and Dynamic Report Engine

Platform

Microsoft .Net Framework 4.7, .Net Core 3.1, C#, Angular 8, Microsoft SQL Server 2016/2019

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

“Standard Chartered Bank is using Cheque Processing System (CPS) developed by Advanced Software Development (ASD). We are very satisfied with the services provided by ASD support team, provided as and when required and congratulate ASD for such wonderful software and performance.

- Standard Chartered Bank”

Auto Bills Pay

Auto Bills Pay (ABP) is an end-to-end solution for paying utility bill payments (DPDC, DESCO, TITAS, NASCO, WASA etc.), Insurance Premium, Education institute's monthly fees, ISP bills, Club subscription, Hospital executive subscriptions, Mobile Post-Paid Mobile Bill recurring Payment will be done through AUTO-DEBIT Instruction from Account or Credit card without waiting in long queues. You can simply authorize to pay all these bills directly from your Account or Credit Card every month through Auto Bills Pay.

Functions

- Customer can enroll him/herself in the auto bills pay to pay the utility and other bills from the existing credit cards or accounts.
- System automatically charges the bills in appropriate time for merchants.
- Account holders or card holders may enroll for these bills pay who are the subscribers of the merchants, collecting bills through this system.
- After collecting the bills for the merchants, files can be generated in different format for the merchant's demands.
- In this file all transactional info are included of the subscribers.
- The specs of the files are dynamic as well.

Features

- System has the facility to input any subscribed company and its related data field (such as charge, VAT on every transaction, necessary accounts) dynamically.
- Customer account/card related info such as card verification, account transaction limit, over draft limit; card blockage etc. can be synchronized with the bill payment matter in this system.
- System attempts to charge any cards/accounts for three times. In case of public holidays, it attempts for five times to charge any cards/accounts. On those situations system updates its attempt period on the next successful period.
- Dual Control.

Platform

ASP.NET, SQL Server DB.

Representatives Clients

Standard Chartered Bank, Brac Bank Limited

Number of Installation/Clients: 02

"It is a great privilege to inform that we are using Web Based Auto Bills Pay System developed by Advanced Software Development (ASD). With the help of ASD, we got a complete and end to end solution that enables us efficiently manage our Auto Bills Pay service and provide best services to our customers that also result in improved productivity.

- Brac Bank Limited"

e-KYC Application

Electronic Know your Client or e KYC is the way of resident authentication used by organization like Banks and other financial organizations. e-KYC allows the residents to submit it as an verifies your identity and other particulars linked to you using documentation.

Functions

- User will login to the system and will get an on-boarding data capture form
- User will capture NID information, Fingerprint and Face
- The system will connect to Election Commission System with API for verification of NID and capture basic information
- System will also connect to porichoy.gov.bd and capture customer detailed information with NID and Facial recognition
- System will fill in the information in the on-boarding form. User will be able to edit/amend information as required
- System will keep track the auto pulled data and the modifications
- User will be able to download the customer information as a AOF pdf and eKYC pdf
- User will upload the PDFs to S2O and mark status in the system
- The system will maintain a different user profile for the eKYC data capture
- System will keep the original data and the edits and maintain the history
- Standard reports will be available
- Standard security policy will be applied

Platform

ASP.NET, SQL Server DB.

Representatives Clients

Standard Chartered Bank, Habib Bank Limited

Number of Installation/Clients: 02

Advanced Software Development has been developed web based eKYC application for Standard Chartered Bank in Nov, 2020. Currently, we are using this eKYC application without any error. We are satisfied with the eKYC application and support. We congratulate ASD for such wonderful support and cooperation.

- Standard Chartered Bank”

IDTP IMMS

IDTP (Interoperable Digital Transaction Platform) IMMS – IDTP Interface, Management and Monitoring System platform is a processing and settlement system for electronic payments, where the main participants are Bank, MFS and PSPs. IDTP will also connect the utility service providers, other Govt. entities that collect fees and charges from individuals & corporates and also have the provision to connect the business entities such as e-commerce merchants and the PSOs therefor, it will act like a Master Payment Gateway.

Modules

- Participant Interfacing Module (PIM)
- Configuration, Management and Monitoring Module
- Reporting and Logging Module
- Core Banking Systems Interfacing Module

Features

- Developed in Latest Web Technology and Server Application Frameworks
- Used Microservice Based Architecture for Scalability, Better Performance and Ease of Further Change Management
- Load Balancing Feature to Expand Horizontally for Handling Large TPS
- Parallel Processing in Transaction Processor and Interfacing Modules
- Highly Configurable
- Ability to Interface with CBS Through API and MQ
- Transaction Threshold Setup
- Setup Monitoring Sensors and Alerts
- Setup Rules for Monitoring Transactions and Prevent Scam

Platform

Microsoft .Net Framework 4.7, .Net Core 3.1, C#, Angular 8, Microsoft SQL Server 2016/2019

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Snachaya Patra Management System

Sanchayapatra is Central bank product. All banks in Bangladesh are bound to sell this product. There are many kinds of Sanchayapatra product. This system is manage all criteria of central bank & perching banks rules.

Functions

- Configuration Parameter Setup:
- Branch
- SP Type
- Customer Type
- SP Levi & Details Set up
- Lien Bank Info
- Commission Information
- Bond Template Setup
- Entry of Sales
- REGULAR
- PARTIAL/FULL REISSUE
- PARTIAL/FULL REINVESTMENT
- Print Certificates
- Lock/Unlock Leaf
- Sales Statement
- Sales Register
- Encashment: all/partial Leaf's
- Encashment Statements
- Coupon Encashment: Interest payment for all matured Coupons/selected Terms
- Interest Payment Statements
- Add/Remove Lien Mark
- Lien Mark/Remove Confirmation Letter
- Lien Register
- Stock Entry
- Re-ordering Letter, Daily & Detailed Stock Report, Outstanding Bonds
- Stock In/Out Float Log
- Commission Claim Letter
- User Audit Log
- BTR Reports
- Statements for Old/New Sales, Encashment according to BB Circular
- Different Reports & MI as prescribed by Central Bank
- Central Bank Claim Register
- Active Directory authentication for login and access

Platform

Java Web based Solution/J2EE, SQL Server DB.

Representatives Clients

Hong Kong and Shanghai Banking Corporation Ltd.

Number of Installation/Clients: 01

Export Import Management System

Banks issue letters of credit as a way to ensure sellers that they will get paid as long as they do what they've agreed to do. Letters of credit are common in international trade because the bank acts as an uninterested party between buyer and seller. For example, importers and exporters might use letters of credit to protect themselves. In addition, communication can be difficult across thousands of miles and different time zones. A letter of credit spells out the details so that everybody's on the same page.

Functions

- Web based multi user system
- All features in the current live system will be incorporated
- All MIS and Regulatory Reports that are now generating from the Desktop Application
- Customizable Entry Module for Data Entry and Amendment
- Fully parameterized by the admin/manager role
- Event Setting and Automatic Alert Notification
- Email/SMS Alert
- Integrated Letter/Certificate generation module
- WYSIWYG Letter/Certificate designer
- Dynamic Reports: Reports can be taken on dynamic filter and customizable fields as and when required
- Customizable MIS
- Reports in Microsoft Excel, Adobe PDF, Microsoft Word
- Java Enterprise Edition based application backend
- Active Directory authentication for login and access
- Group policy standard security matrix with following Central Bank ICT guideline
- Audit trail and user access log

Platform

Java Web based Solution/J2EE, SQL Server DB.

Representatives Clients

Hong Kong and Shanghai Banking Corporation Ltd.

Number of Installation/Clients: 01

Service Request Tracking System

The major objective of the solution is to automate the tracking of service requests. The system will track the requests from issuance to delivery. During the process, it will check the SLA and trigger some data to get custom MIS.

Input Specification

The system will have 3 input screens of which 2 for the requester and the one for the service processing unit. Requester will input the requests with necessary information along with file attachments if required and the service processing unit will get the requests in queue. Updating the necessary information and completion, the request will get back to the requester and he will be able to mark it as resolved with remarks.

Precondition

During the detailed requirement analysis, the respective user will have to provide all the necessary documents and make us understand the detailed logics if required, to process the input and generate the desired output. User will have to sign the requirement analysis document and approve the UI design and output format.

Deliverable Output

The system will provide some basic MIS and raw excel dump for further analysis.

Functions

- Issue Request
- Pending Queue
- Payment Advice button to generate below form
- Fin Ops Module - Service Owner (Processor)
- Service Manager/HoD (Fin Ops) - New Layer

Reports

- Additional report generation parameter for all reports
- Update reports format
- Add below additional reports
- Access/Generate of FinOps Report from the Service Owner (Processor) desk

Platform

Java Web based Solution/J2EE, SQL Server DB.

Representatives Clients

Hong Kong and Shanghai Banking Corporation Ltd. Eastern Bank Ltd.

Number of Installation/Clients: 02

Loan Collection & Recovery System

This system is a comprehensive debt receivables management system which besides meeting the Bank's Collection operations requirements, delivers advanced features to improve the business capabilities. The system will comprehensively manage receivables from Loan (including mortgages) and Credit card portfolio besides overdraft. It will help to minimize delinquencies through a series of proactive actions and tight supervision.

Functions

- Single Platform for all credit Products
- The product processors, the Core Banking system, the Loan System and the Credit Card System feed Overdraft details, repayment information, Loan details and Credit Card details, respectively into the Collection application, by a batch process.
- Versatile Data mapping process
- Versatile Screen Manager. Screens with contents relevant to each product
- Linking of accounts of a customer - LCRS will link all the accounts/contracts belonging to a given Customer using the unique identifier provided by the bank.
- Bucket stamping - The LCRS will have the capability to classify DPDs into buckets which are normally used in Collection Process. The buckets can be defined depending on the product.
- The system will have the capability to track payments against promises received and mark the promise to pay (PTP) either as Promise Kept (KP) or BP.
- LCRS will have the capability to generate a work-list and set priority against work-list for a collector. System will generate prompt for the collection according his/ her work-list.
- The Collector can refer to another Collector or the Supervisor to give suggestion on a particular customer and also route (endorse) Cases to their Supervisors for review.
- Customer Contact History – A mode of communication with the customer and the interaction details will be captured in LCRS.
- The system will have a versatile search facility. The system will bring up the relationship page of a customer when a user keys in the key search fields such as Name, Account number, CIF number, Address. The system will accept either the complete details or partial details.
- The system will also offer configurable search function, wherein the bank can decide and configure the search labels themselves.
- Skew Analysis – analysis of reason for delinquency
- Continuous monitoring of collector performance through dash board reports for supervisor
- Load balancing - The system, in the Supervisor's dash board, shows when a Collector is over loaded.
- Re-allocation
- MIS - MIS Reports can be configured to suit the business needs, using the LCRS Reports tool. Report output: CSV, PDF, DOC, XLS
- Application Audit log
- Task assignment against User Roles or Specific User.

Platform

ASP.NET Desktop Based Application, SQL Server DB

Representatives Clients

Standard Chartered Bank, Premier Bank Ltd. SABINCO

Number of Installation/Clients: 03

Tracker for Loans in Transit

TRANSIT will be a workflow-based loan origination and processing system, which will help Premier Bank to differentiate from the competition. TRANSIT will be an industry recognized leader in this space, with its technical and functional breadth. TRANSIT will be one-stop source for originating credit applications across various types of financial products for a SME / Corporate / Retail customer, ensuring a single view of the customer and a standardized, streamlined origination process.

Functions

- Configure Loan Types
- Configure Applicant Types
- Preparation of Checklist of documents based on loan type
- Supports Loan Application Initiation, modification, Loan Renewal
- Internal Deduplication process within TRANSIT
- Simple & Advanced Loan Application and Customer Search
- Generation of CIF Number
- The system will have data entry screen with logically grouped information about the customer, loan product and other information
- Capture various details like personal, employment and address details
- Generation of Process flow based on Product attributes
- Asset and liabilities details capture
- Configure types of collaterals and capture detailed collateral related information
- Credit limit set up
- Override of the system recommended limit can be done by the credit approver
- Credit scoring Set up
- Multi-level loan application approval process with delegation
- Sanction Letter Generation
- DMS (Document Management & Imaging) Integration with TRANSIT
- All decision screens display the decision history and comments provided by the earlier decision makers.
- Application Referral - System also supports a recommend feature to escalate the application to the next level of underwriting
- Customer Advice Generation
- MIS - MIS Reports can be configured to suit the business needs, using the TRANSIT Reports tool.
Report output: CSV, PDF, DOC, XLS
- Application Audit log
- Group Security Matrix
- Task assignment against User Roles or Specific User

Platform

ASP.NET Desktop Based Application, SQL Server DB

Representatives Clients

Standard Chartered Bank, Premier Bank Ltd. SABINCO

Number of Installation/Clients: 03

Complaint Management System

This solution that automate customer complain management. CCMS Will transform service quality's processes by automating and standardizing business processes, transforming business relationship to its customers, and consolidating complaints across the organization.

Functions

- System Process flow will be parameterized so that Process flow can be changed by Administrator
- Incorporation of Dynamic fields in Managing of Customer Complaint.
- Customers' complaint status with Escalation will be viewable at any point of accessing the system
- Complaint Categorizing Process access to Supervisor. Categorization has to be as follows:
- Product Program Design
- Pricing
- Staff Service Quality
- Process & Reliability
- Problem handling
- Customer Communication
- Channel Functionality
- Channel Accessibility
- General Sales & Marketing
- Inappropriate Sales
- External Complains
- CCMS will have the ability to Prioritize, escalate and set target resolution for any Complain.
- Related Documents will be archived in the system for future reference.
- Customer survey report, mystery shopping and all kind of survey reports will be kept in the system.
- MIS - MIS Reports can be configured to suit the business needs, using the CCMS Reports tool.
Report output: CSV, PDF, DOC, XLS
- Application Audit log
- Group Security Matrix
- Task assignment against User Roles or Specific User

Platform

ASP.NET Desktop Based Application, SQL Server DB

Representatives Clients

Standard Chartered Bank, Premier Bank Ltd, Eastern Bank Ltd.

Number of Installation/Clients: 03

Cash Transaction Report System [goAML]

Our system does the submission of cash transaction report to Central Bank for the Cash Deposits or cash Withdrawals of BDT Tk. 1,000,000 or above in any account in a day.

Functions

Bank uploads cash transaction record for a certain period in this system by online if the cash transaction crosses the limit 1,000,000 or above for every account. This system has its own authentication system. After every certain period system generates a file for an account for those cash transaction where the limit (1,000,000 or above) is crossed. Then this file would be forwarded to central bank as the cash transaction report for this particular account. This system has also a lots of report generation capability which helps to monitor/analyze the transaction in different criteria. Primarily our system connects with bank's database. Then system retrieves the transaction criteria (online transaction, cash transaction, atm transaction etc.) and related info. System also generates reports in case of data missing. Then these reports are forwarded to dual control system for corrections. After corrections and approvals system forward the whole report to central bank.

Features

- Take input from core banking system in different file format
- Data validation before reporting
- Dual control
- Error capturing from central bank error report
- Correct erroneous data and resubmit it

Platform

Java Web based Solution/J2EE, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Card Production System

System pulls out the necessary info from the core banking system to manage the card production.

Functions

Everyday system pulls from the core banking system about the account opening info. Then system sorts out the accounts and its criteria, for which debit card would be produced and the courier address of this account. After sorting out all kinds of information for an existing account, system sends the required data to the production machines. Finally machines produce a specific card for a particular new account. For the renewal of cards a report will be generated containing the card related info of the card holders before one month. After confirmation, new cards will be produced for the expired-card holders. System generates courier delivery reports as well as cards productions to provide the courier service companies for cards distributions.

Features

- Duel control system
- Card expired reports generation
- Courier delivery reports generation
- Customers get their debit cards on the following day of account opening
- Updating information for any card
- Activating, deactivating, deleting, blocking etc.

Platform

Java Web based Solution/J2EE, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Certificate Automation System

This system generates various certificates to BANK customer. Like balance, mortgage, lone, solvency, bond etc.

Functions

System has templates created by admin for different kinds of certificate to print. To print a particular type of certificate, system retrieves related info of the certificate receiver from core banking system. Printed certificates are system generated so there is no need of any kind of validation from higher level. If any kind of editing is needed then it can't be approved without branch manager. A unique reference number based on logic & bar codes have been generated on this certificate which authenticate that this certificate is system generated. History can be traced for every certificate about its approver, editor etc. This system reduces the time and involvement/dependency of people to issue any kind of certificate for customers.

Features

- Huge amount of templates
- Dual control in editing
- Watermark & image insertion
- Reducing the dependency and involvement

Platform

Java Web based Solution/J2EE, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Cheque Printing Software

Cheque Printing Software is a basic application for printing checks in one style. The application is great for companies or small businesses that require check writing in more than one currency. The cheque printing software does not offer options allowing users to design their own checks, but offers bookkeeping features that will allow account reconciliation.

Functions

Don't need to entry in the cheque manually. During to entry in the cheque in the system user needs to entry the vendor name of the corporate, purpose, number of payments, details of every payments etc. After entering all the required info, retrieving from system into this cheque writer software, an A4 size page would be printed where in the upper portion would be used as voucher and the lower portion would be used as cheque. User can also use different templates to write cheques by using logos and images. Multiple users can work in this system. One of the users give input for cheques and another user can approve cheques. Report generation exists for this system which gives the history and tracing of cheque writing. System can issue void cheque as well as handling cheque lost or damaged cheques.

Features

- Network Based Multi-user System which also can be used as standalone instance.
- Dual Control in all activities as required.
- Provision for a single user control.
- Customized Cheque Print Template Creation.
- Multiple Account and Currency Setup.
- Chart of Account Management.
- If online banking exists then statement can be uploaded because of the reconciliation in this system

Platform

ASP.NET Desktop Based Application, SQL Server DB

Representatives Clients

Standard Chartered Bank, Hong Kong and Shanghai Banking Corporation Ltd.

Number of Installation/Clients: 02

CMO Suite - Process Automation System

This common platform software can manage all activities. User roll-based system.

Functions

- CMO Suit framework and the database
- Administrative Framework and User administration
- Group policy
- Process Flow Automation
- NGO Fund Monitoring System
- Inward Cheque Collection
- VAT & TAX Certificate System
- Courier Management System
- Multi Location Courier Tracking Module for PSB
- Letter Writer Module
- SI Module
- Podd Module
- Inward Remittance Upload

Features

- The System is a web based and multi user system
- An open-end framework will be designed to add modules to the suit as and when required
- Central administration with group security policy
- Module wise users and access roles setup
- eBBS and Card400 linking for necessary data
- Customized MIS reports with printing and export-to-multi-type-format facility
- Audit trail and Access logs

Platform

Java Web based Solution/J2EE, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Bills Pay Collection System

This system is a dual control system for automated deposits and bills payment through ATM. Machine generated transaction log will be imported to the system and reconciled with physical cash and cheque.

Functions

System takes the input of all the cheques, which are waiting to be cleared, through scanning the images of the cheques and the MICR (Magnetic Ink Character Recognition) Line. Bank's Core Banking and Clearing Process verify all the inputted cheques for validation and risk marks. After verifications, all the details of those cheques will be synchronized with the Central Bank's Cheque Clearing System which is known as the Bangladesh Automated Cheque Processing System (BACPS). BACPS will acknowledge which are honored and which are dishonored. After the acknowledgement, Central bank will balance the fund transfer exchange between the cheque drawer and drawee banks.

Attractive Features

- No physical cheque movement, only the cheque image movement.
- Dual control system.
- Clearing Charge Realization.
- Management Information, Reports Generation.
- SMS service in Cheque Returns.

Platform

Java Web based Solution/J2EE, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Electronic Journal & ATM Reconciliation

This system is a shadow for all the Bank ATMs. All the transactions and events will be logged and monitored in the system for a faster query, reports and service without being present on the spot.

Functions

Each and every event is logged in a roll of paper inside every ATM Booths as well as in the system. Any kind of communication gap between customers and the native core bank ATM monitoring system can be handled. If any complaints are triggered by any customers associated with his/her incomplete transaction, regarding machines or cards which are inept to detect in the existing ATM monitoring system, then those complaints can be issued for proper diagnosis due to this system's event log. For handling any problems regarding transaction from ATM, system reconciles the ATM accounts. System adopts data from electric dump, converts into readable format and restores those data. Any event can be searched out by time, account holder's info, card info etc. from the system among those data collected from electric dump. Also, from this system ATM status and its transactional history can be analyzed.

Attractive Features

- Voucher generation
- Transaction report generation from core banking system
- Dual control system
- Uptime and downtime analysis
- Customer query handling

Platform

Java Web based Solution/J2EE, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Central Bank Exchange Position Reporting System

Central Bank has to be reported from every bank for their every foreign currency exchange record. Our system helps to send this report by retrieving data from core banking system.

Functions

Every Bank has their own foreign currency reserve. They have to send EOD (End of the day) Report to the central bank about their foreign currency exchange. This report contains the whole records of every exchange, retrieved from core banking system. This is the key functionality of our system. Our system generates the following reports/records and sends them to Central Bank & BAFEDA.

- BAFEDA report.
- BDEOD rate files
- Exchange position report
- Return Purchase and Sold report
- Country position
- FCY Utility report
- Deal count report
- FCY balance sheet

Features

- Different types of data input format from core banking system
- Dual Control

Platform

ASP.NET, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Charge Realization Management System

System calculates the required charges to the bank customer & makes a transection file of core banking system.

Functions

- Debit Card Replacement Fees
- Cheque Book Issuance Charge
- OFFUS ATM Transaction Fee
- Certificate Issuance Charges
- Duplicate Statement Fees
- Parameterized charge module (file types, segment, product wise).
- Charge Waiver maintenance module.
- Collect Charge Data From:
 - ECard System
 - ECheque System
 - UDR/BDDDB/TXN
 - CertMagic
 - CMOSuite
- Charges upload file creation for core banking system.
- Summary report for charge realization and waiver wise.

Platform

Java Web based Solution/J2EE, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

NITA Automation System

Non-resident investor's taka account reporting tools for central bank. The major objective of the solution is to automate the process of customer stock handling and generate a formatted return report for submission to Bangladesh Bank. The system will be able to take transaction information in Text or in Excel as input and will also provide necessary input screen for data input. With the defined formatting, the system will be able to generate report for certain tenure.

Functions

INPUT SPECIFICATION

The system will take input in two ways. User will upload the transaction information generated from HSBC Core Banking System and will also input some information manually through the forms. The system will be able to take Text or Excel file as its input.

PRECONDITION

During the detailed requirement analysis, the respective user will have to provide all the necessary documents and make us understand the detailed logics if required, to process the input and generate the desired output. User will have to sign the requirement analysis document and approve the UI design and output format.

DELIVERABLE OUTPUT

As mentioned earlier, the main objective of the solution is to generate a formatted return report for submission to the Bangladesh Bank authority. The system will also provide few MIS reports as defined by the user and also the Audit Trail.

DATABASE

Microsoft Access 2000/2003 will be used as the database for the application. Database design will be done for the maximum optimization for better storage and performance.

FEATURES IN BULLETS

- Desktop based single user system
- Import transaction data from CSV, EXCEL or TEXT files
- Return report to meet the Bangladesh Bank requirement
- Database: MS Access
- Customizable MIS Reports
- Reports in Microsoft Excel, Adobe PDF, Microsoft Word

Platform

Java Web based Solution/J2EE, SQL Server DB.

Representatives Clients

Hong Kong and Shanghai Banking Corporation Ltd.

Number of Installation/Clients: 01

Positive Pay Management System

Reporting tools for central bank Positive Pay instruction.

Functions

- Web based system
- Create specification to upload positive pay data from different sources
- Auto pull positive pay information from email
- Manually input cheque data
- Pull cheque information from MICR system
- Auto reconcile and generate fraud report
- Enquiry by different criteria
- The system will have a Desktop Agent/Windows Service for mail grabbing and a Web Interface for configuration, Management, logs and reports
- Customer information along with email address will be captured in the system
- System will generate encryption key for each customer email account
- The encryption key will be sent to customer cell phone via SMS
- System will automatically send the SMS
- A new encryption key will be generated and sent upon every successful receive of positive instruction
- The encryption key will comply to SCB Group Security Policy
- System will automatically expire the encryption key on every 30 days
- The new encryption key will automatically be sent to the user via SMS upon expiry
- Customer will have to zip the positive pay notice file using the encryption key using WinZip, WinRAR or any standard zip (compression) tool
- The notice data will have to be emailed to the Item Processing designated email address
- An agent will run on the server which will fetch the notice data from email
- The agent will decrypt the mail and will verify the content
- Unencrypted and wrongly formatted data will not be considered for uploading to Positive Pay System
- Customer will be notified via email and/or SMS in case of any wrong submission
- The agent will automatically update the Positive Pay database with new notice
- Agent will automatically notify the concerned users and the customer with a summary email regarding the captured notices
- In case of failure, the system will generate notification and notify the concerned users

Platform

Java Web based Solution/J2EE, SQL Server DB.

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Statement Automation and CIB Database

Automatic statement generation & client comminatory system.

Functions

- Automated Statement Processing System
 - Web based multi user and dynamic solution
 - Dynamically create statement templates
 - Configure date, amount and narration formats
 - Define page size, appearance, header-footer setup
 - Identify statements with defined rules and store defined transaction records in database
 - Create dynamic rules and policies
 - Suspicious and Fraudulent activities detection
 - Generate month wise turnover and accumulated data as per defined rules
 - Automatic prompt for manual adjustment as and when required
 - Customizable MIS
- CIB Database Management System
 - Automatically login to CIB Web Engine
 - Auto query records and download data from CIB Engine
 - Capture records from CIB PDFs and store formatted data into local CIB database
 - Enquiry engine for local use

Platform

ASP.NET Desktop Based Application, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Excise Duty Management System

Instruction of National Board of Revenue (NBR) to deduct Excise Duty from each of the customer accounts (savings, current, loan or other accounts) held with the bank. This means, for example, if a customer maintains a savings account with a bank and also has a loan account; Excise Duty will be applicable on both the accounts separately.

Functions

- Pull account data from IBM DB2 UDR database
- Generate Block Upload file EBBS
- Dual control and multi user
- Import FCY account balances and information from UDR
- Currency and Rate setup
- Generate FCY Block Upload file EBBS

Platform

Java Web based Solution/J2EE, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Special Notice Deposit (SND) Interest Forfeit

Special Notice Deposit (SND) is an interest-bearing deposit where advance notice is required for withdrawal. The System calculate & generate core banking system update file.

Functions

- Web based multi user system that will be accessed from all branches and SCB offices
- Dual control in data capture and update
- Automatically calculate interests for forfeit and generate monthly/periodic reports
- Product code setup in current SND system
- Map Product Code with Interest Rate Configuration
- Product Group wise (General/Islamic/Others) interest calculation
- Product Group wise batch processing
- Product Group wise Reports and MIS

Platform

Java Web based Solution/J2EE, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Priority Reward Engine

This system calculates reward collection & generates a core banking system unlovable file.

Functions

- The System will be a web based and multi user system
- Datacenter user will upload the daily TXN file and month-end eBBS and ELending file
- Dynamic and Customizable scoring system
- Parameterized reward engine
- Card400 bonus import file generation following the Card400 specification
- Multi-layer access control:
 - Administrator – Creates Users, Sets up Parameter, Creates Scoring Logics
 - Super Administrator – Approves admin Activities
 - Maker – Process data
 - Checker – Approves reward data
 - Datacenter User – Upload TXN, BDDDB2 and ELending files
- Customized MISreports

SBS2 Reporting System

This system is a reporting tool for central bank. As per central bank requirement system prepare the sector code wise reporting.

Functions

- Web base single/multi user system
- Import Data from CSV and Text Files
- File manual alter verification
- Fully parameterized by the user input
- Reports in Microsoft Excel, Adobe PDF, Microsoft Word
- Data export to FoxPro database as defined by Bangladesh Bank
- Export feature can be customized
- Customizable MIS Reports
- Security Matrix to Meet Group Standard

Platform

Java Web based Solution/J2EE, SQL Server DB.

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

Smart Search Engine for Customer Data Enquiry

System searches the duplicate data from central database & show an accurate or nearest result for protecting fraud case.

Functions

- Web based and multi user system
- Google like Smart Search Engine
- Search with multiple words and multiple criteria
- Logical operation (AND,OR) in search keywords
- Display related results along with match percentage
- Mark account data with comments

Platform

ASP.NET Desktop Based Application, SQL Server DB

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01

ATM Monitoring System SMS/Email Based

Status of all SCB ATMs are monitored by "Sparrow" kit which log all the status changes. From the desktop, support engineers can monitor the ATMs with the telnet application, ANZIOLITE or PUTTY. But it's not viable to look at the monitor all the time and report to the person assigned for a particular ATM. SMS/Email Based ATM Monitoring System does this job. This system sends an instant SMS/Email describing the ATM status to the concerned person.

This system doesn't access "Sparrow" directly. It requires no login information from the "Sparrow". Rather, it reads data from an open ANZIOLITE/PUTTY client screen, logs in a separate database and sends SMS/Email to the concerned persons. On a set interval, it captures the screen data, logs the status into the database and sends SMS/Email.

Functions

SMS/Email Based ATM Monitoring System requires a Database Server, An Application Server and an ANZIOLITE/PUTTY Client. Moreover, it requires 1 or 2 GPRS/GSM modems with SIM or Our Online SMS Service for sending SMS. The Agent application captures the data from the ANZIOLITE/PUTTY screen and updates ATM status to the database server. It also sends SMS/Email via the modems or Our Online SMS/Email Service to the concerned users. The Application Server contains the web base administration system. This allows controlling the whole system from a remote PC.

Platform

Java Web based Solution/J2EE, SQL Server DB.

Representatives Clients

Standard Chartered Bank

Number of Installation/Clients: 01



Others Solution

Enterprise Office Solution-EOS

Our EOS systems are the kind of software tools which are used to manage the data of an enterprise. EOS system helps different organizations to deal with different departments of an enterprise. It helps in automation of the tasks involved in performing a business process.

Key Features

- Multiple User Access and permission
- Accounts, HRM, CRM, Sales, Purchase, and Inventory modules in a single software.
- Easy Customer Management, Product Management, and Supplier Management
- Live Monitoring of Accounts, HRM, CRM, Sales, Purchase, and Inventory
- Income Statement and Profit & Loss Statement Report

Benefits

- Central Monitoring and Transparency in Automated Reporting
- Target wise Budgeting
- Cost and Time Efficient
- Low Stock / Out of Stock controlling automatically
- Sales Trend Analysis to achieve maximum revenue

Highlights

- Customization for special features
- Bangladesh Financial Reporting Standard (BFRS) Certification on processing
- Accounting & HR modules give you all the reports following Bangladesh Standards
- Creating an opportunity to earn maximum revenue with minimum operational cost
- Helps to reduce payroll and operational cost

Platform

Microsoft .Net Framework 4.7, .Net Core 3.1, C#, Angular 8, Microsoft SQL Server 2016/2019

Representatives Clients

Sikder Group Limited, The Bagha Club, Standard Chartered Bank, Teletalk Bangladesh, HSBC Bank, Bangladesh Police, Confidence Group, RohimAfrooz, SABINCO, Unique Group

Number of Installation/Clients: 10+

“Sikder Group is using Enterprise Office Solution (EOS) developed by Advanced Software Development (ASD). We are very satisfied with the services provided by ASD support team, provided as and when required and congratulate ASD for such wonderful software and performance.

- Sikder Group”

Human Resource & Payroll Management

Human Resource Management (HRM or simply HR) is the management of an organization's workforce, or human resources.

Human Resource Management System can help HR teams perform their various tasks of Employee communication, recruitment, training, motivating, tracking, assessment and rewarding. The software has a provision where the Employee information can be feed in within the database, which includes their joining information, personal profile, education, experience etc. All this information on the employee becomes part of the Human Resource Information System HRIS which can be used for reporting & analysis of Employee information. The HRIS will also capture the employee department, location, designation, salary for payroll purposes and most importantly the reporting matrix.

ASD has an extensive Human Resource Information System where new employee records can be created and maintained.

Major Modules:

- Personnel Information Management
- Organizational Structure Management
- Employee's Document Management & Privacy Policies
- Attendance & Time Sheet Management
- Leave Management
- Salary Structure, Payroll & Benefits Management
- Tax Calculation
- PF & Gratuity Management
- Disciplinary Log Management
- Performance Appraisal System
- e-Recruitment Management
- Employee Confirmation Management
- Employee Transfer Management
- Employee Self Service
- Employee Final Settlement
- Letter Generation
- Travel Plan & Management
- Training & Development Management
- Reporting & Dashboard
- General/Core/System Settings & Access Administration
- Process Flow Designer for Module Functionalities

Platform

Microsoft .Net Framework 4.7, .Net Core 3.1, C#, Angular 8, Microsoft SQL Server 2016/2019

Representatives Clients

Teletalk Bangladesh Limited, Asian Paints, Ezzy Automations Limited, IPDC Finance, ABC Radio, UNIQUE Group, dnet, Galaxy Bangladesh, Prothom Alo

Number of Installation/Clients: 10+

Document Management System

Document Management System is a digitized archival system. The main function of the system includes scanning of paper-based documents of customer accounts along with static data, storing the image of documents in encrypted format, retrieving the stored images for verification / update together with user security management. The system has a very simple and user-friendly interfaces with faster accessibility. In every step, SCB defined security matrix has been followed.

Archival of customer account related documents is a very crucial, resource consuming and tedious process. It is almost impossible to manage the manual archival for all the 250,000 plus account related documents; any retrieval of document is also a time consuming and difficult process by the Account Services Department. The DMS was developed to make the archival fully digitized and store in a organized manner. Using the DMS customer mandates are scanned and stored against data like batch no, box no, master no and account number for future retrieval reference. While saving the data, the scanned image file is encrypted and stored in the data repository; this image can only be decrypted by the retrieval module. The saved image can also be amended or replaced using power user module in future.

Features

- Built-in scanning software
- RGB, Grayscale, Black & White scanning
- Customized resolution
- 3DES Encryption for data storage
- Simple and handy database management system
- XML Database for the scanning and verification system
- MySQL Database for the central archiving database
- Multi user and real time solution
- Customized MIS
- Audit Trail Reports

Highlights

- Scanning and Data Entry System
- Data verification system
- Enquiry module with Export and Email
- Administrative setup and customization
- Encryption/Decryption Utility
- SMS and Email Alert Module
- MIS

Platform

ASP.NET Desktop Based Application, SQL Server DB

Representatives Clients

Standard Chartered Bank, Premier Bank Ltd.

Number of Installation/Clients: 02

Club Management System

Club Management software is a tool that helps clubs member enlistment and manage their facility service. The Club management software is also known as association management or membership software. As such, it is designed to handle membership records and details, Restaurant & Bar, Other club facilities and Store Management System.

Modules

- Member Management system
- Stock & Inventory Management system
- Sales Management system
- Facility Management system
- Reservations management
- Accounts Management
- Administration Management
- Reporting

Features

- Automates processes
- Enhanced data security
- Integration with other business systems
- Improved customer experience
- Drives revenues

Platform

ASP.NET Desktop Based Application, SQL Server DB

Representatives Clients

Kingsuk

Number of Installation/Clients: 01

Sales Inventory System

Our sales and inventory systems help manage products and ensure that transactions are completed correctly. These tools track products and provide ongoing inventory controls that reduce shrinkage. Use of these resources makes retail activities much easier and efficient.

Modules

- Sales Management System
- Inventory Control
- Online Shop and Order Management

Features

- Web based and online multi user system
- Barcode enabled sales and inventory
- Centrally controlled stock
- Stock movement from and to head office to branches and branches to branches
- Daily, Periodic, Monthly sales ledger
- Realtime stock status
- Sales with/without fixed/percentage discount
- Online shop like Amazon and others
- Enquiry books and Place order online
- Online request for new books
- New books information and upcoming books
- Custom output for AccPac integration
- Multi-level user administration
- Secured database management and optimization

Platform

Microsoft .Net Framework 4.7, .Net Core 3.1, C#, Angular 8, Microsoft SQL Server 2016/2019

Representatives Clients

The Bagha Club

Number of Installation/Clients: 02

"The Bagha Club is using Club Management System developed by Advanced Software Development (ASD). We are very satisfied with the services provided by ASD support team, provided as and when required and congratulate ASD for such wonderful software and performance.

- The Bagha Club"

Biometric Verification System Platform – BVS

Biometric SIM Registration is made mandatory for all the existing and new SIM card holder in Bangladesh in 2015. Consequently, every mobile operators in Bangladesh had to develop 'Biometric SIM Registration' system for re-registration of existing users as well as new SIM registration.

BVS Includes:

A mobile app that collects subscriber information, fingerprints, etc.

A web app that collects subscriber information, fingerprints, etc.

A middleware which interconnects mobile/web apps with the ECB NID database and mobile operators internal systems.

Features

- New SIM Registration (Prepaid)
- Verification of Corporate Users
- Re-registration
- SIM Change
- Transfer Ownership
- De-registration
- New Postpaid Activation
- Campaign SIM Activation
- MNP
 - Port – IN Process (Individual)
 - Port – Out Process (Individual)
 - Port – IN Cancel Process
 - Port – Out Cancel Process
- Corporate Features
 - Bulk New Prepaid & New Postpaid Activation
 - Bulk Deregistration
 - SIM Replacement
- User Authentication
- Restriction on New Activation
- Multi Login Features
- Integration with CBVMP
- Domain based apps
- SIM Registration for foreign passport holders
- OTP Based User's Login for ensuring security
- Automatic Deactivation
- Customized Reports
- Necessary APIs provided and used in Middleware system at implementation time and performed with the following nodes:
 - Election Commission
 - Huawei CRM System
 - Huawei CBS System
 - Huawei EVC system
 - ERP System
 - ETSAF portal

- o Dealer Management System
- o Huawei SMSC
- o MDM System for Device Management.
- o CBVMP system
- o MNP system
- o Other Portals.

Representatives Clients

Teletalk Bangladesh Ltd

National Telecommunication Monitoring Cell – NTMC API Development

The system exposed a Webservice through which NTMC will be able to get the data. This proposed system is designed by considering strong support on TPS, integration with several data retrieval sources, such as CRM, ESAF, IN, BI, Billing System, CDR & ERP etc. It is built by following open specifications like Java Enterprise Edition and some open technology will run on windows/linux platform. The service tier will run in a Java EE standard web server connected with a database. Each and every user of the system will enjoy one or more roles. Based on the definition of the role one user will be able to enjoy services from the system. The system exposed some APIs to NTMC as per requirements such as IMEI, IMSI, Radio Location, Last Call Location, CDR, SMS Content Query automation.

Representatives Clients

Teletalk Bangladesh Ltd. & Robi Axiata Limited

Corporate SIM Registration & Approval Management System – CSRA

Features

- Teletalk Interface for Corporate SIM Registration
- Initiation of Corporate SIM Registration
- Approval of Corporate SIM Registration
- Company Interface for verification and approval
- Company Interface for amendment
- Company Interface for Inquiry
- BTRC Interface for Approval
- BTRC Interface for Inquiry
- BVS Integration
- Integration with SIM Registration Mobile App
- Email and SMS Notification
- Reporting and Dashboard

Representatives Clients

Teletalk Bangladesh Ltd.

Most of the applications used the below architecture and technologies for System Development.

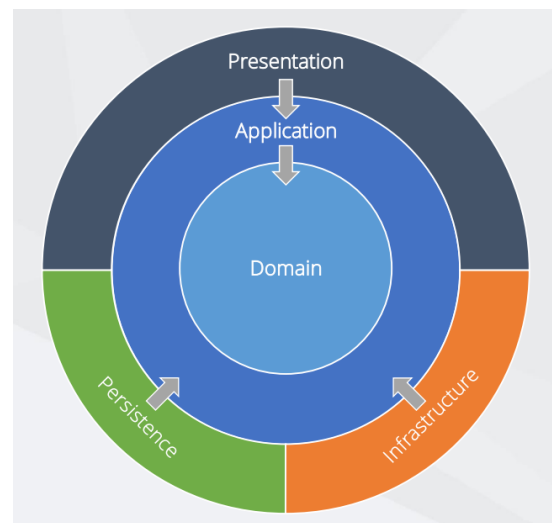
Application Architecture

Overview

- Microservice Architecture
- Independent of frameworks
- Testable
- Independent of UI
- Independent of database
- Independent anything external
- Cross Platform
- .NET Core Entity Framework Core
- Code First

System Layers

1. Domain contains enterprise-wide logic and types
2. Application contains business-logic and types
3. Infrastructure (including Persistence) contains all external concerns
4. Presentation and Infrastructure depend only on Application



Infrastructure and Presentation components can be replaced with minimal effort

Scalability

Most of the mentioned applications is built on Microservice Architecture. Throughout our solution, below features have been implemented for scalability and performance.

1. Cross-platform and container support
2. Asynchronous through async/await
3. Dependency Injection
4. SignalR and MQ
5. Cross-Site Request Forgery Protection
6. Innovative Action Filters
7. Extensible Output Caching

Load Balancing Feature Ready to Expand Horizontally for Handling Large TPS and Performance Improvements.

Authentication & Authorization

The applications has built-in authentication service with Identity Server along with Microsoft Active Directory authentication.

Application requires SSL certificate for encryption and validation.

Data Encryption and Key Management

The applications use SHA-256 where applicable and AES-256 bit encryption for storing secured configuration and keys. The application is highly configurable and compliant with data security policies.

Logging & Monitoring

The applications have full featured log management with standard technology implementation. All the activities and transaction is logged in the system in a proper manner which is also viewed/monitored from the front-end with proper access right.

Rich graphical dashboard to monitor system performance, components status and logs along with all transaction related widgets.

Technology Stack

Node JS 12.18.3 LTS

Angular 8

ASP.NET Core 3.1

Microsoft SQL Server 2019

Oracle 11g

NGINX/NGINX Plus

Rabbit MQ

IMMS APIGW



IT Enabled Service

Media Monitoring Service

We archive and monitor News, Information and Resources published in print, online, social and electronic media. We compile category-based news clippings in digital format as per clients' requirement. Online & LAN based browsing software has been developed for easy and efficient browsing of the clippings with diverse features of sorting & searching. News clippings are compiled on the basis of category in our own software in JPEG format through scanning process with summery. Online web portal www.emediadesk.com provides an 'access from anywhere' service, which requires no installation of software in your computer and no usage of your hard disk space.

Feature of the Product

- Online News Service Portal
- Information Hub that Serves You with Desired Information from All Sources
- Real Time News Alert Service
- Information from Print, Electronic, Radio, Web, Online Video Platform and Social Media
- Keep Always Updated with iOS and Android Mobile Apps

Benefits of the Product

- Media Coverages about news and information of your interest
- Know Your Competitors & Industry Information
- Track Public Engagement (Reach, Like, Comment, Share, Reaction)
- Identify News Sentiment (Positive-Negative-Neutral)
- Measure the Effectiveness of your Communications

Highlights

- Daily Newsletter Service
- News Summary & Translation Service
- News Categorization as per Industry Needs
- Online Digital Archive
- PR Value Analysis & Reporting

Representatives Clients

UNICEF Bangladesh; British American Tobacco; UNILEVER Bangladesh; Aspire to Innovate (a2i); Transparency International Bangladesh; LafargeHolcim Bangladesh Limited; Citi Bank N.A; Prothom Alo; University of Liberal Arts Bangladesh (ULAB)

Number of Installation/Clients: 100+

"Advanced Software Development (ASD) provides media monitoring services to UNICEF Bangladesh complying international standard of media monitoring agencies. ASD maintaining their quality services constantly. We are proud to have ASD as a media monitoring service provider in Bangladesh. We wish you all the best for your future growth.

- UNICEF Bangladesh"

Digital Archive Service

We have developed a dynamic and most effective archival system for newspaper houses to digitalize the hard copy of newspaper. We have developed specialization in creating digital archival of files from original documents and printed version media through special methods and skill. Moreover, we always use professional grade equipment for high quality image/document scanning. We store printed newspaper digitally and preserve the news in different categories by inputting News Title, Sub-Title, Page Number and Author Name as well. Therefore, our user-friendly system is able to find any news clippings/full page newspaper within a moment from strong and secured database. At the same time, we analyze the interest of your business and try to match the archival value of your materials and preserve it accordingly.

Features

- Image file at any format.
- Customize Search Engine
- Keyword Search [Inputted title]
- Date Range Option
- Category Option
- Search by Page Number
- Download option
- Printing Facility
- Data Backup

Representatives Clients

Press Institute Bangladesh, Bangla Academy, Prothom Alo, Kaler Kantha, Banik Barta, Manabzamin, MRDI, Ajker kagaj.

Number of Installation/Clients: 8

“Advanced Software Development (ASD) provides Digital Archive Service to Press Institute Bangladesh complying standard quality of digital document. ASD maintaining their quality services constantly. We are proud to have ASD as a digital archive service provider in Bangladesh. We wish you all the best for your future growth.

- Press Institute Bangladesh”

Ad Monitoring Service

We track all kind of Advertisements, Campaigns, Notice, Tender, e-Tender, Classified info etc. to disclose the scenario of advertisements aired by every individual advertiser, their competitors as well as the while industry.

Features

- All advertisement information (Number of Ad and CI/Inch)
- Percentage of advertisements and news published in newspapers
- Advertiser Report-Total number of ad and CI/Inch
- Category / Industry-Total number of ad and CI/Inch
- Product Report-Total number of ad and CI/Inch
- Government Dhaka & out site of Dhaka Report-Total number of ad and CI/Inch
- District wise Government Ad information
- Ad Impression report
- Advertisement type (Regular, Panel, Spot, Classified) report etc.

Highlights

- Daily Advertisement Track
- Upload in Online Platform
- Categorization as per Industry Needs
- Online Digital Archive
- Comparison Report

Representatives Clients

The Daily Star, Asian Age

Number of Installation/Clients: 100+

“Advanced Software Development (ASD) provides Advertisement monitoring services to The Daily Star Bangladesh complying our needs of analytics. ASD maintaining their quality services constantly. We are proud to have ASD as an Advertisement monitoring service provider in Bangladesh. We wish you all the best for your future growth.

- The Daily Star”



Mobile Application

Biometric SIM Registration System

The Biometric SIM Registration System mobile app features aim to streamline and enhance the SIM registration process by incorporating biometric technology. Here are some key features that such an app may include:

- ✓ Biometric Verification
- ✓ Data Capture
- ✓ Document Scanning
- ✓ Real-time Validation
- ✓ Registration Tracking
- ✓ Appointment Scheduling
- ✓ Notifications and Alerts
- ✓ Multi-language Support
- ✓ Secure Data Storage
- ✓ User Support and Helpdesk

These features collectively enhance the efficiency, accuracy, and security of the SIM registration process, streamlining the onboarding of new subscribers while reducing the risk of identity theft and fraud.

Representatives Clients

Teletalk Bangladesh Limited,

Number of Installation/Clients: 1

BAGHA CMS

A mobile app for a Customer Management System (CMS) with sales, inventory, point of sale (POS), and accounting functionality can provide comprehensive tools for managing customer relationships, sales processes, inventory tracking, and financial transactions. Here are some key features that such a mobile app may include:

- ✓ Customer Management
- ✓ Sales Management
- ✓ Inventory Management
- ✓ Point of Sale (POS) Functionality
- ✓ Account Management
- ✓ Reporting and Analytics
- ✓ Sync and Integration
- ✓ Notifications and Alerts
- ✓ User Permissions and Security
- ✓ Offline Access and Syncing

These features empower businesses to efficiently manage customer relationships, streamline sales processes, track inventory, and handle financial transactions, all within a mobile app. It provides convenience, flexibility, and real-time access to critical business functions, enabling businesses to operate effectively while on the move.

Representatives Clients

BAGHA CLUB

Number of Installation/Clients: 1

Human Resource Information System

Human Resource Information System (HRIS) mobile app provides employees and HR professionals with access to essential HR functions and information on the go. Here are some key features that such a mobile app may include:

- ✓ Employee Self-Service
- ✓ Leave Management
- ✓ Time and Attendance
- ✓ Performance Management
- ✓ Training and Development
- ✓ Employee Directory
- ✓ Notifications and Reminders
- ✓ Job Postings and Internal Mobility
- ✓ Company News and Announcements
- ✓ Security and Data Privacy

These features empower employees with self-service capabilities, streamline HR processes, and enhance communication within the organization. The mobile app brings HR functions to employees' fingertips, enabling them to manage their employment-related tasks efficiently and access important HR information whenever and wherever they need it.

Representatives Clients

Surjer Hasi Network

Number of Installation/Clients: 1

Real Time Media Monitoring Alert

A mobile app for real-time media monitoring alerts provides users with instant notifications and updates on specific keywords, topics, or mentions across various media sources. Here are some key features that such a mobile app may include:

- ✓ Customized Alerts
- ✓ Multiple Source Monitoring
- ✓ Real-time Notifications
- ✓ Advanced Filtering Options
- ✓ Sentiment Analysis
- ✓ Media Analysis and Insights
- ✓ Bookmarking and Sharing
- ✓ Competitor Monitoring
- ✓ Historical Data Access
- ✓ Data Security and Privacy

These features enable users to stay updated on the latest media mentions, trends, and discussions related to their specified keywords or topics. The mobile app brings real-time media monitoring capabilities to users' fingertips, allowing them to respond promptly, gather valuable insights, and make informed decisions based on current media landscape.

Representatives Clients

Aspire to Innovate (a2i)

Number of Installation/Clients: 1

Mobile app Development Platform

Cross-Platform App Development

Flutter: A framework developed by Google that uses Dart programming language to build high-performance, visually appealing apps for both iOS and Android platforms.



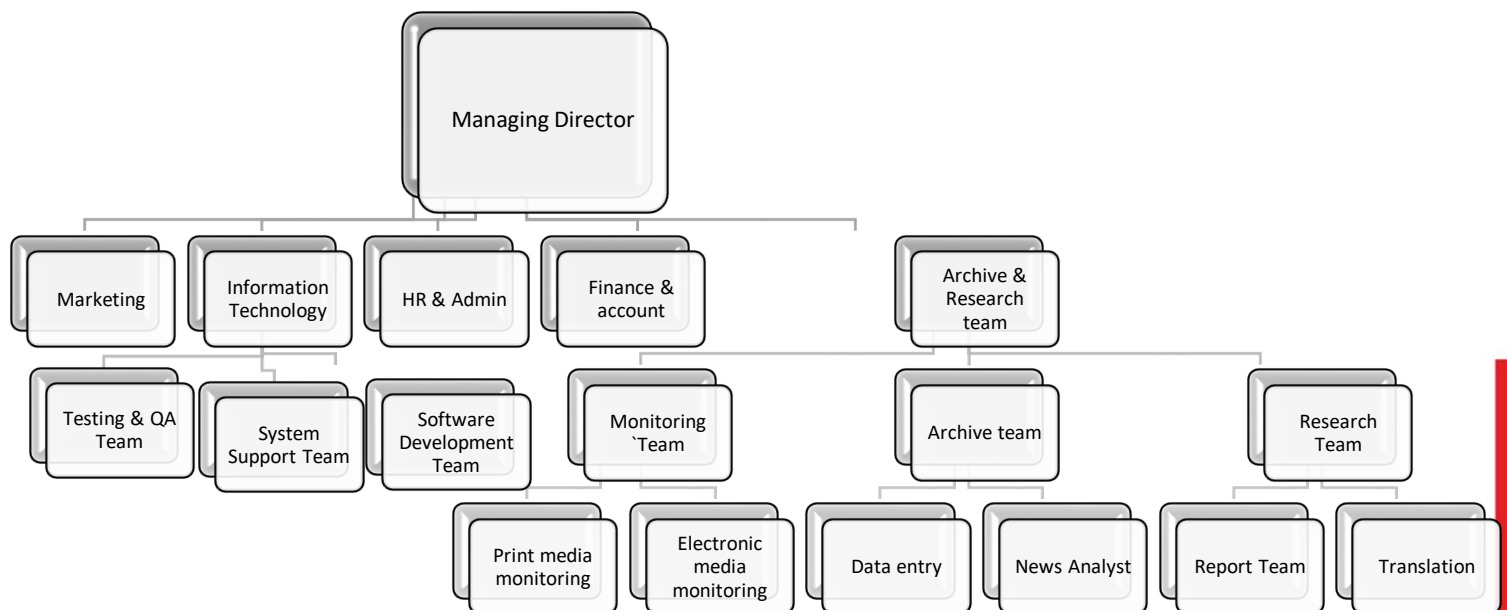
Our Team

Management & Corporate Structure

Managing Director : Mr. Jamil Hossain Mazumder

Director : Mr. Monirul Islam

Director : Mr. Sayedul Islam



Development Environment & Team

Development Environment				
Development Tools/Languages			Persons	
C#			7	
ASP.NET			4	
VB.NET			3	
Java			10	
PHP			4	
C/C++			2	
Database			Persons	
Oracle			5	
MS SQL Server			8	
My SQL			6	
DB2			3	
Role wise No. of Personnel				
Roles			Persons	
Project Manager			4	
Technical Lead			4	
System Analyst			3	
Architect			2	
Designer			2	
Developer			20	
QA Engineer			2	
GUI Developer			2	
DB Expert			2	
System Support Engineer			3	
Technology Skills				
Environment	Languages	Application Servers	Databases	Case Tools
Visual Studio, NetBeans, Eclipse, PhoEdit	C#, ASP.NET, VB.NET, Java, C/C++, PHP	IIS, Apache Tomcat, JBoss, Sun Application Server	MS SQL, My SQL, DB2, Oracle	Rational Rose, Case Studio

Media Monitoring Team

Job Particulars	Number of Employees
News Analyst for Data Compilation	40
Software Engineer	14
Research, Synopsis and Reporting	10
Online Media Monitoring Unit	6
Client Relationship	5
Archive Unit Management	4

Sales & Marketing Team

Job Particulars	Number of Employees
Director	01
Senior Manager	02
Manager	02
Senior Executive	03
Executive	05

HR & Admin Team

Job Particulars	Number of Employees
HR & Director	01
HR & Admin Senior Manager	01
HR & Admin Manager	02
HR Coordinator	03
Support Staff	05

Accounts & Finance

Job Particulars	Number of Employees
Chief Financial Officer	01
Account Manager	01
Account Senior Executive	02
Account Executive	03



Major Clients

		
		
		
		<p>Many more...</p>

		
		
		
		<p>Many more...</p>

 <p>World Health Organization</p>		 <p>marico</p>
 <p>Save the Children</p>		
 <p>care®</p>		
 <p>Plan</p>		 <p>প্রেস ইনস্টিটিউট বাংলাদেশ</p>

The Daily Star

প্রথম আলো

Many more...

Blending Innovation & Dynamism

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