Inov8
Limited

Enabling the Mobile Payments Ecosystem

i8

Inov8's vision is to use technology and innovation for enabling access to mobile financial services for the unbanked and to make mobile payments more convenient for the banked.

Banking the Unbanked

Our philosophy has always been about putting people first. That is why our goal is to provide accessibility to the unbanked through cutting edge technology that is reliable, secure, readily available and simple to use.

i8 MicroBank

i8 MicroBank is a state of the art system designed to meet the needs of mobile and branchless banking. It allows for m-wallet issuance, linking of all account types with m-wallets, branchless banking account issuance, management and reporting. The system has been designed to comply with global standards for banking and financial transaction processing, meets regulatory compliance requirements, and has the flexibility to cater to future changes.

Once installed, i8 MicroBank can work independently of other banking systems and integrate / communicate with them as well, when required. The installation allows a Bank to issue and maintain branchless banking accounts, and start providing services to branchless banking customers within no time. The ability to integrate with third party banking systems allows i8 MicroBank to also process transactions which may involve a non-branchless banking account either as a termination or as the origination point of a transaction.

i8 MicroBank BB Components

- Core i8 MicroBank Mobile Banking Engine
- Communication Gateways (SMS, USSD, WEB)
- i8 MicroBank Intelligent Router – Aggregated services
- VeriFly

Core i8 MicroBank Mobile Banking Engine

Core i8 MicroBank Mobile Banking engine is the master controller which controls and acquires transactions through different channels and manages different components. It manages relationship and transaction rules with all other components and much more.

Intelligent Router

i8 Intelligent Router manages transactions spanning over a spectrum of providers and financial institutions. Unlike most systems, i8 Router easily caters to transactions that have multiple legs and span across many disparate systems. Based on its flexible architecture, i8 Intelligent Router can integrate with any application or service and can be a foundation for building new functionality on top of these applications. It can correlate with any backend system, bring together disparate systems/businesses and introduce new delivery channels with ease. The theology of i8 middleware is to bring convergence and transaction processing ability between financial institution, service/product providers and mobile networks.

VeriFly

VeriFly is Inov8's black box PIN generation and verification engine that allows an i8 MicroBank user to securely join their service with a state of the art security management system. The system is responsible for generating bank PINs based on channel at the time when a customer links their bank accounts (Credit, Debit, Pre-paid, P&L, branchless banking etc.) with their mWallet accounts and for verifying these PINs against every mobile transaction performed by using these accounts.

Mobile Banking

Our mobile banking solutions have been designed to comply with global standards for banking and financial transaction processing making your transactions secure and seamless across a multitude of channels. Whether you are a telecom operator or bank, any offering can be catered to through easily customizable interfaces.

i8 MicroBank Platform Strengths

Security

The system employs industry standard security techniques to prevent disclosure of sensitive data and to avoid malicious attacks at all levels. Any communication between the system and network architecture have been designed to comply with PCI DSS and other global financial services industry standards.

The system supports financial transaction processing and therefore puts up the highest level of end-to-end security.

Customizable data validation, PIN encryption, complete audit trail, password hashing and network/channel authentication and authorization are some of the ways that are used to make the security provided by i8 MicroBank an eminent aspect.

Reliability

i8 MicroBank platform is designed in a way that it focuses on different engineering techniques for developing and maintaining a system whose reliability can be quantitatively evaluated. Credible software reliability models have been used to track underlying software failure processes for accurate reliability analysis and forecasting.

Error & exception handling (for all layers - GUI, Logic & Data), multi-layer design compliance, resource bounds management and transaction complexity level are some of the practices that have been used to make i8 MicroBank a highly reliable system.

Scalability

i8 MicroBank platform is highly scalable and designed to provide high availability, configured with Load Management. i8 MicroBank is a Carrier Grade system engineered to meet superior standards and provides very fast fault recovery. It's a Plug and Play system which works with open source applications as well as multiple other industry standard products.

The system is vertically scalable to support up to millions of customers with sub second response time. The system also provides horizontal scalability (using multiple servers) with minimal overhead, and leverages multiple processers that are generally built using multi-threading techniques.

Flexibility

i8 MicroBank provides 100% flexibility to integrate with any third party system and compliance with latest business regulations. The loose coupling of i8 MicroBank's components is a key to make the system highly flexible. The System has the ability to adapt to possible or future changes and system design easily caters for the changes which inevitably arrive in the future. The flexibility not only caters for the complete design of the system as a whole but includes the smaller aspects of the system as well.

Next Generation M-Commerce

For conventional payments our solutions accept cards on all smartphones via dongle based magnetic stripe and chip readers. Our contactless m-commerce solutions help you pay via QR codes and NFC. Our merchant, agent, and customer offerings are at the cutting edge, with deep social media integration, location based services, next generation loyalty and reward programs.

AgentMate

Ultimate BB agent management and new age acquiring rolled in to one.

The smartest way to enable your agents and customers

AgentMate is the revolutionary new application for smart phones that combines new age acquiring with a full set of branchless and mobile banking functionality, at the lowest price point for any hardware or software combination globally. The applications offer a rich and a unique user experience which is much more interactive and intuitive for the customers/agents. These applications are perfect for on the fly functionality along with extreme ease of use.

Convenient solutions to manage multiple modes of payments

AgentMate makes self-service banking possible like never before with a cross platform native application as it enables multiple payment modes. It reduces customer/agent management costs drastically, decreasing time and overheads, as agents can conveniently accept and make payments. AgentMate has been developed on global application standards to enable real time transactions. AgentMate is your bank, wallet, credit card & discount coupon on the go.

Accelerate payment acceptance via stripe cards and chip card readers

AgentMate utilizes the 3.5mm headset jack of a smartphone for accelerating payment acceptance. Inov8's Card and Chip Reader comes as a bundle offer with AgentMate and attaches at the headset jack. It is capable of reading all types of cards which makes it the optimum POS device for payment transactions.

- Top of the line hardware encryption
- No data stored on the phone
- Bi-directional swipe functionality
- PCI DSS compliant
- Chip and pin functionality

Camera Integration enabling QR codes and more

Taking agent management to the next level with integration of location based services

Innovative and timely solution to cash management challenges in the current economic landscape

Your passport to fast and hassle-free money transfers

Coupled with either the i8 MicroBank or AllPay platforms, AgentMate allows the following transactions with ease:

- Transfer In/Out
- Bill Payment
- Pay Cash
- Account Tracking
- Agent Transfer
- Domestic Remittances
- Receive Cash

Interactive mini statements to enable your agent partner

The perfect partner for managing your business and agent network

AgentMate is a cutting edge solution for Banks/Telco to increase their penetration and have a complete wireless agent management tool on the go.

AgentMate has been specifically designed with a rich user interface that simplifies financial transactions for your agents' convenience. AgentMate supports almost all communication protocols boosting its integration capabilities with any branchless banking or core banking middleware making real-time possible.

Next Generation MFS Solutions

Today's complex environments of mobile financial services require specialized products and solutions. We offer ground breaking standalone solutions covering bank and carrier grade middleware, MFS ready USSD gateways, interoperable MFS switches and remittance platforms.

About Inov8

Incorporated in 2004, Inov8 has grown to become the leading provider for technology and consulting solutions for all players in the mobile and branchless banking ecosystem including financial institutions, mobile operators, agent networks, merchants, money transfer organizations, regulators and governments.

Inov8's team comprises individuals with an in depth understanding of mobile commerce and payments along with their individual areas of expertise ranging from business and covering all technology required for designing, deploying, integrating and supporting products and solutions.

Inov8 provides consulting and technology solutions for:

- Branchless banking
- Mobile banking and commerce services
- Mobile payments life cycle
- Financial system design and integration
- Mobile commerce strategy

In addition to the above, Inov8 provide organizations a variety of solutions including:

- Licensed software
- Software as a service
- Managed services
- Remittance corridors for airtime and mobile money transfer for global clients

Mission

Inov8's's mission is to provide technology and consulting solutions for all players in the mobile and branchless banking ecosystem including financial institutions, mobile operators, agent networks, merchants, money transfer organizations, regulators and governments, representing a fundamentally transformational opportunity to connect millions of people to the digital economy.

Our Partners

Incorporated in 2004, Inov8 has grown to become the leading mobile and branchless banking solution provider in Pakistan. Since its inception, Inov8 has worked with leading financial services and telecommunication companies in Pakistan and internationally to provide electronic and mobile based payment solutions.