

A man in a dark suit stands with his back to the camera on a wooden plank that extends from the bottom right towards the center of the frame. He is looking out over a vast, dense city skyline, likely New York City, with numerous skyscrapers under a blue sky with light clouds. The overall color palette is a monochromatic blue-grey.

# Rimus Technologies

"Your partner to Success"

# Projects At a Glance

## Mobile Apps

- Certificate Trust Chain Building for Android & iOS
- Mobile Based Payment Solution for Merchants
- Mobile Based Payment Solution for Buyers
- Mobile Based Taxi Booking Solution
- indiansQ, an Android based chat tool
- CredSecure on Android
- Pharmacy App for Doctors
- App to find nearby Clubs & Bars
- Mobile App for Lawyers
- Bleepify POS App
- Adrian James Fitness App
- Telenor Mobile App for end users
- GlowWorm's Plumbing ToolBox Apps
- ShareARoom – Blockchain based room sharing service
- Finger print & Geo location based Attendance system

# Projects At a Glance

## Enterprise & Data Security Projects

- SmartCard Reader Driver for BlackBerry 7 & 10
- Automation of openSSL compilation for mobile platforms
- SmartCard enabled Web browser
- C# PKCS#11 interface for SafeNet ProtectServer HSM for XML signing & Encryption
- openSSL Engine rerouting signing requests to 3<sup>rd</sup> party
- TheLawAssist.com
- eCommerce Stores (MoneySaverz & TopsyTurvy)
- CRM for Pharmaceutical company
- Student Teacher Advanced Collaboration Portal
- Job Allocation & Attendance System
- RPM Code signing tool enhancements on RedHat
- Fingerprint scanner – Product development (h/w, f/w, mobile app, provisioning s/w)

## UI Artwork

# Mobile Apps

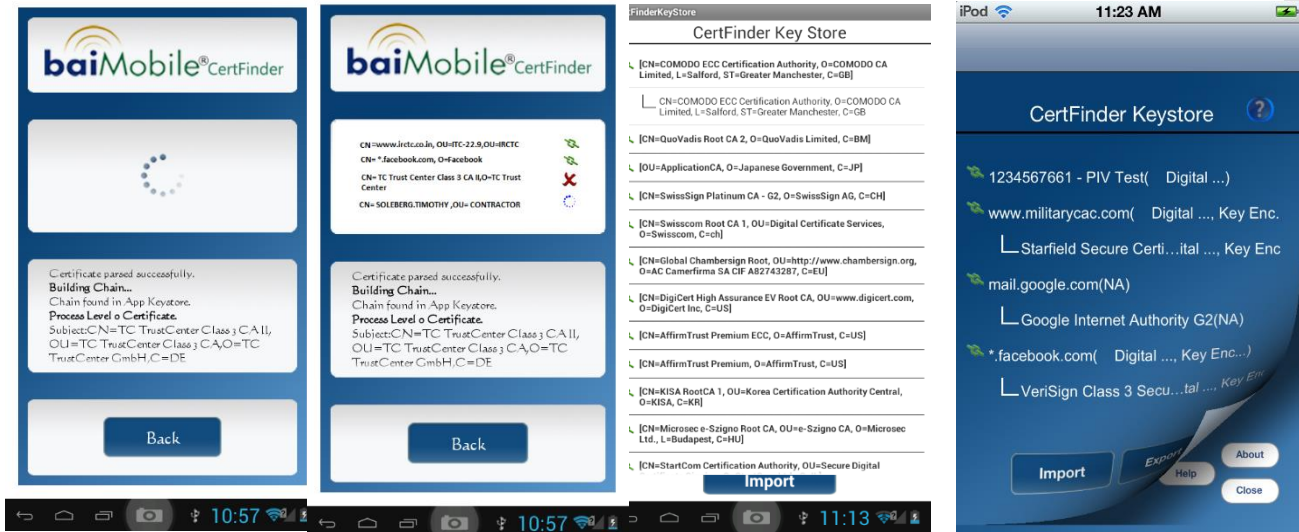
Builds Certificate Trust Chain, presents it in a multi-layer tree view on Android and iOS

- FIPS compliant.
- Android version is available on PlayStore

Third party apps can send a request to CertFinder app with a user certificate, Certfinder builds the certificate trust chain and returns built certificate chain to the 3<sup>rd</sup> party caller app.

# CertFinder

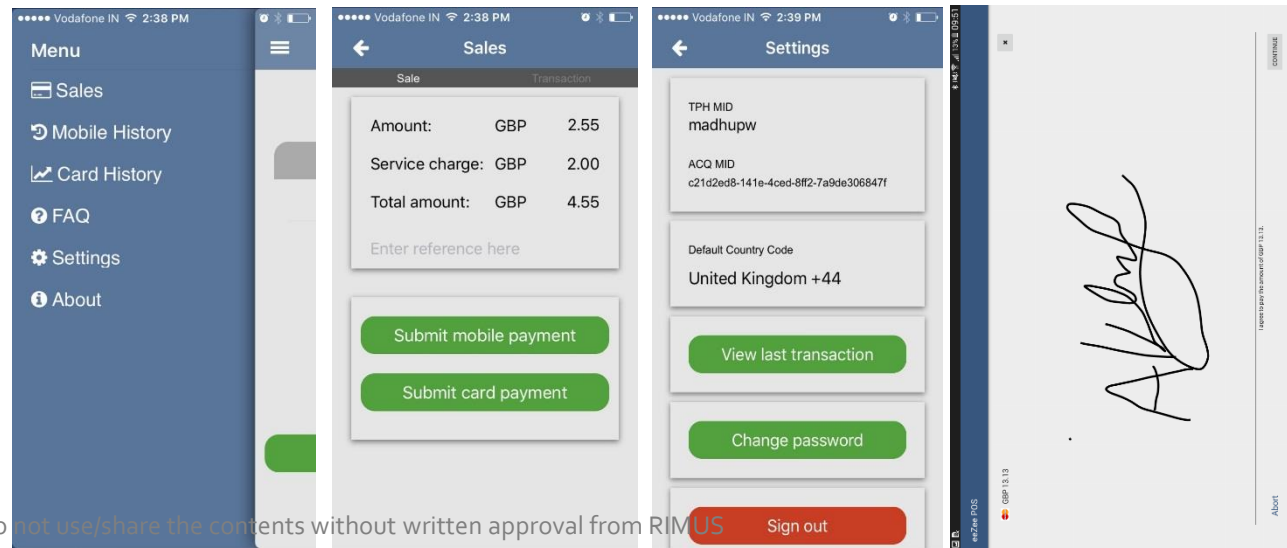
Technology: Java, objectiveC, C, openssl, Curl, PKI



# Mobile Based Payment Solution for Merchants

A mobile based payment solution for merchants of all sizes e.g. taxi drivers, stores etc

- Facilitates multiple modes of payment
- Debit/credit cards transactions
- Supports a proprietary method of mobile payments
- integrated with various mPOS devices like Miura
- Receipt generation to both merchant and buyer
- Transaction history
- Card and Mobile Payment API to interface/integrate payment options in Merchant Cash Register apps
- PCI compliant
- Profile Management, Multi-lingual, multi-currency
- Available on both Android & iOS

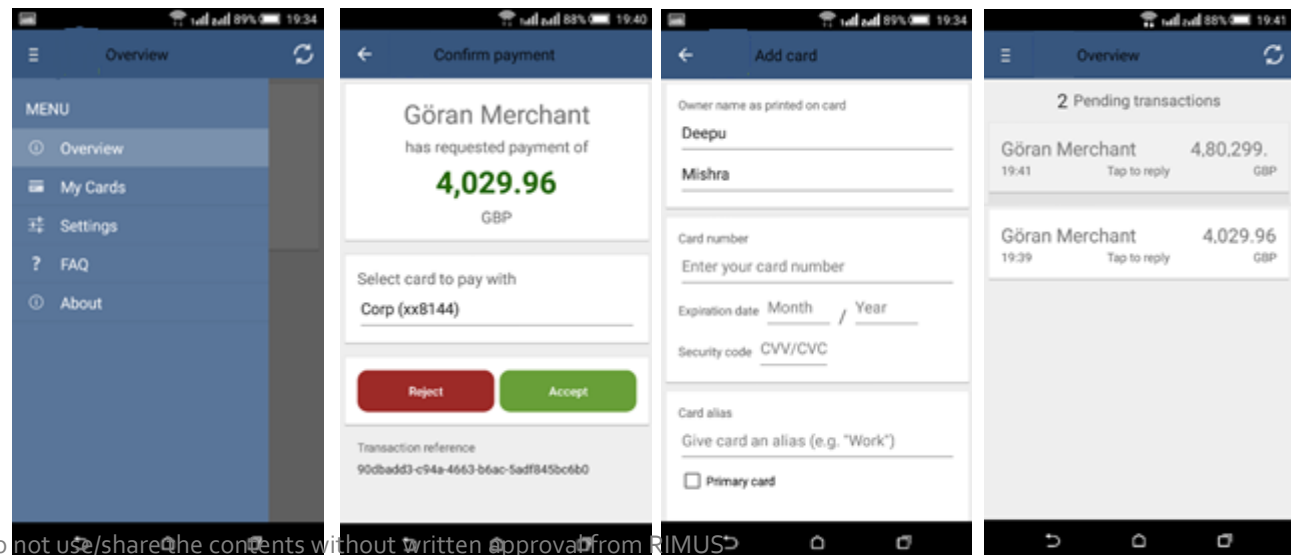


Technology: Java, Objective-C, PCI

# Mobile Based Payment Solution for Buyers

A mobile based payment solution for buyers relieving them from carrying card/cash

- Ensures security of payment transactions
- Buyer's consent taken before a transaction
- Payment receipts
- Transaction history
- API to interface/integrate payment option in Merchant's end user apps
- PCI compliant
- Profile Management
- Multi-lingual
- Available on both Android & iOS



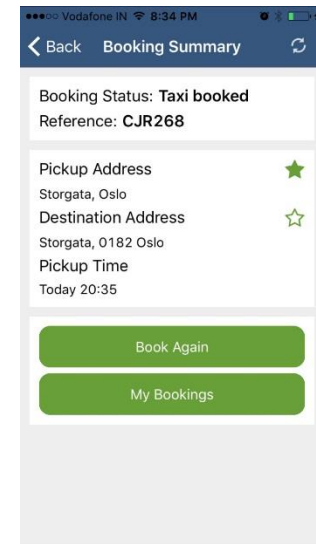
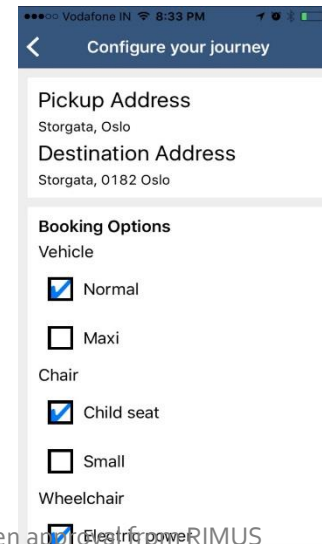
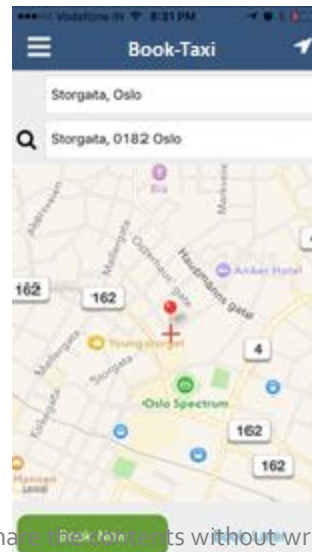
Technology: C#, Xamarin, PCI



# Taxi Booking Apps

An app for taxi riders to book a taxi using just a few clicks

- Current and near by areas of interest displayed on a map
- Booking and cancellation
- Various taxi booking options like type of car, number of seats, special instructions, instructions for drivers
- Favorites locations can be saved
- Profile Management
- Multi-lingual, multi-currency
- Ease of use
- Payment integration in progress
- Sharing rides on Facebook/Twitter in progress
- Taxi location tracking in progress
- Available on both Android & iOS



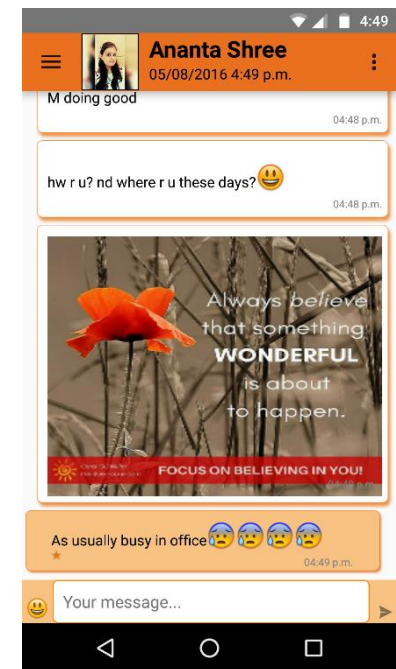
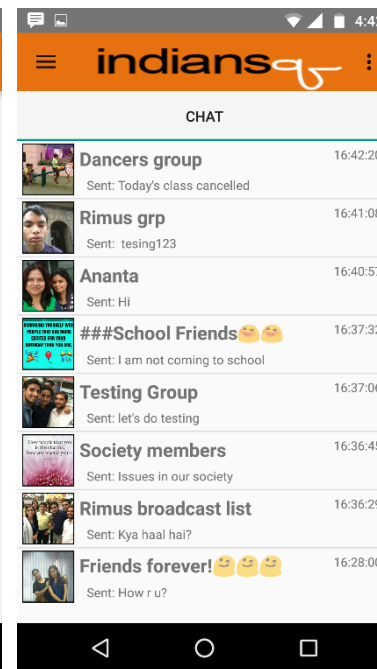
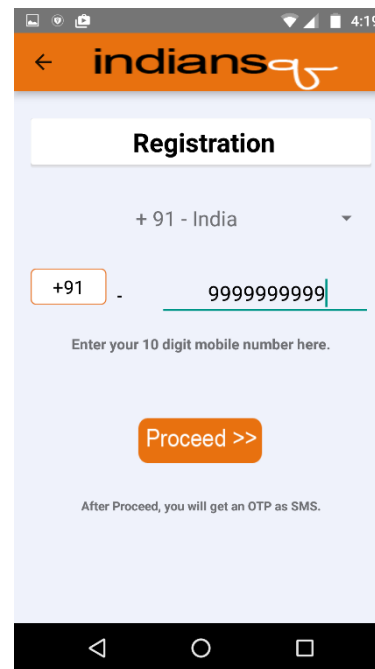
Technology: C#, Xamrin, Google Maps



## An android based chat & voice calling tool

- Ease of communication
- Unlimited number of groups and broadcast lists
- Unlimited people within a group
- No limit on file transfer
- Documents (pdf, doc, xls, ppt etc) sharing
- Printing of messages and file contents
- Voice calling in progress
- **Corporate broadcasting facility from website as well from phone**

# Indiansq - A Collaboration Tool

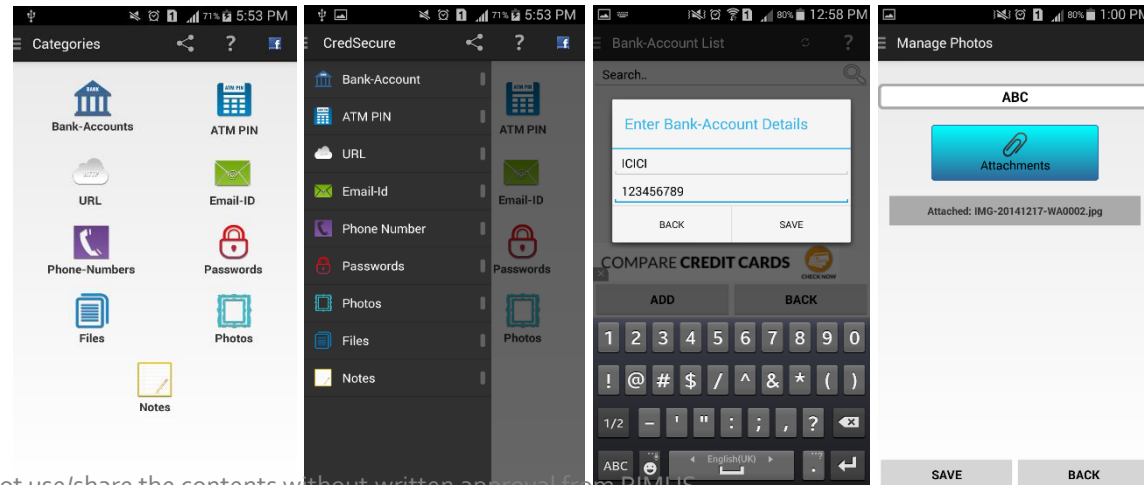


Technology: Java, PHP, Google FCM

# CredSecure

CredSecure is a RIMUS product for Android users to secure their data and files from Social Engineering attacks

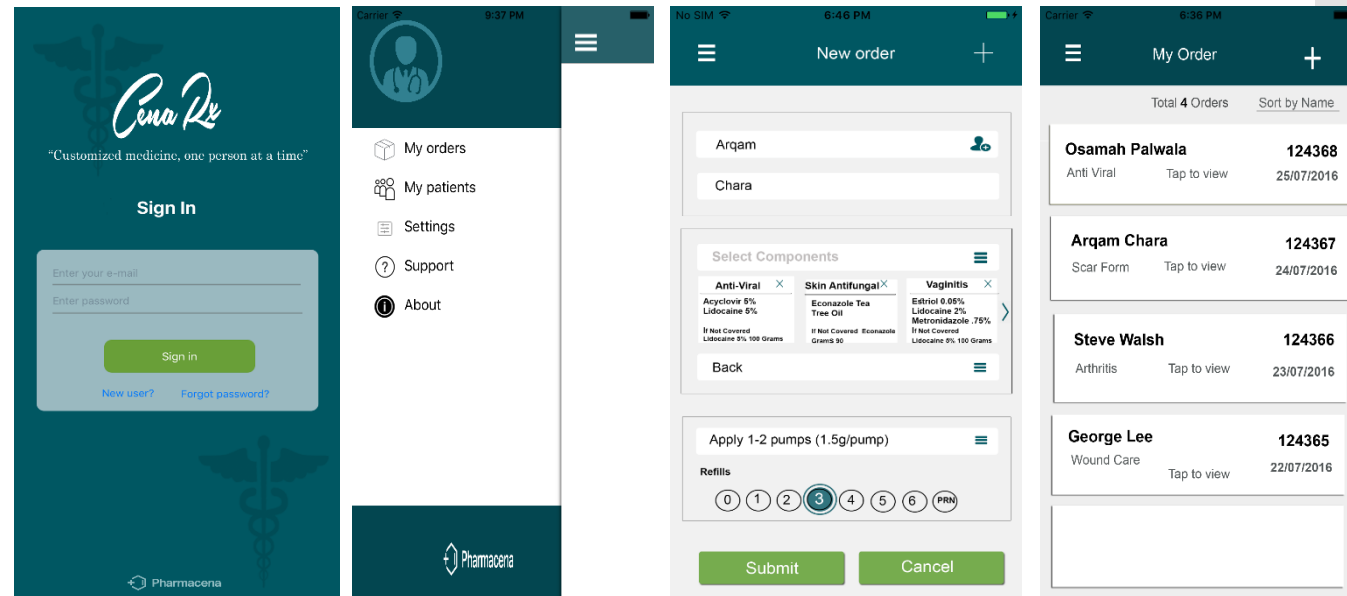
- Both data and file protection in one single app
- Both Predefined and user defined categories
  - ✓ Bank/ATM/Credit Card details,
  - ✓ Email Account and other credentials,
  - ✓ Private images and videos,
  - ✓ Official contacts,
  - ✓ Important URLs,
  - ✓ Contact numbers
  - ✓ Important file
- Strong AES256 encryption
- Data protection is completely controlled by user as there is no server component



Technology: Java, openSSL,  
Cryptography

# Pharmacy App for Doctors

- App generate e-orders to linked pharmacies
- Able to initiate customized medicine orders for their patients
- Forces to upload the prescription in case of controlled medicines
- Scans & attach patient's insurance card
- Quick to initiate refill orders
- Order history maintained within app
- Patient details maintained within app
- Orders get entered into HIPAA compliant order management systems of chosen pharmacy company
- HIPAA compliant ePrescriptions

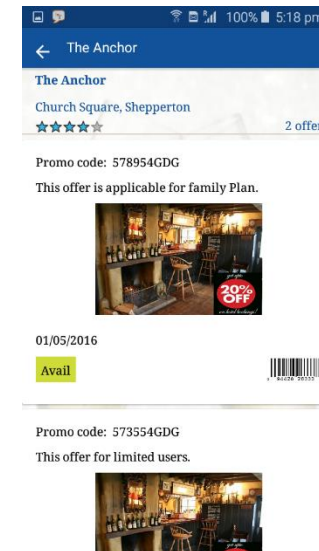
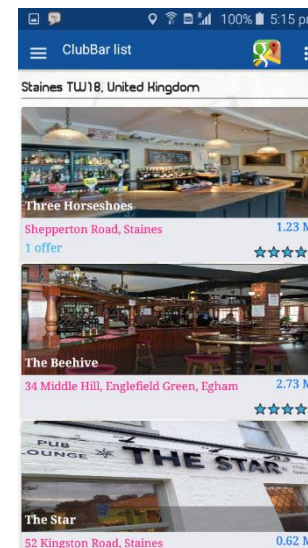
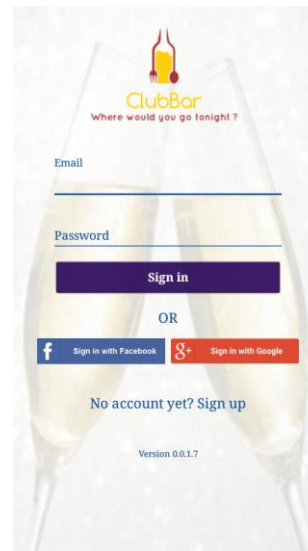


Technology: C#, Java, objective-C,  
HIPPA

# Club & Bar Finder App

The app is to locate Clubs & Bars in near vicinity, explore the offers, avail the offers & get bonus points

- Displays Clubs & Bars with both List view & Map view
- List can be sorted based upon location distance or user rating
- User can download the offers
- User can avail/redeem the offers
- Manages user profile with Bronze, Silver & Gold levels
- Bonus points added to user profile when an offer is availed
- Multiple signing options to app

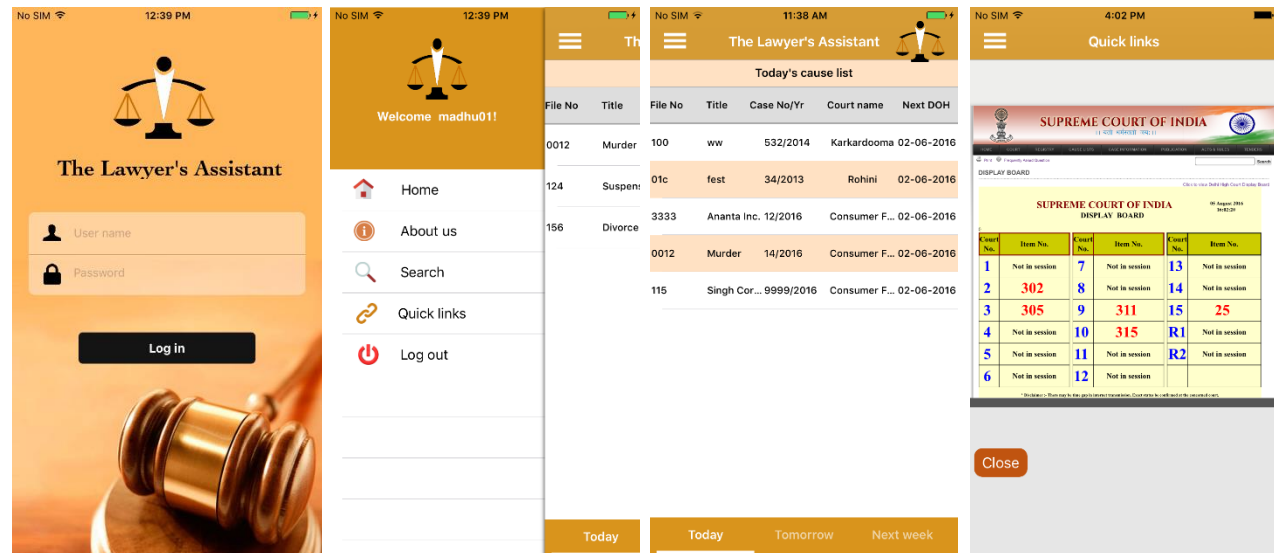


Technology: Java, objective-C,  
Google Maps

TheLawAssist apps (Android & iOS) are for lawyers to manage their court cases while they are on move.

- Default view of cases for today, tomorrow & next week
- Update cases
- Generate CauseList for a specific date range
- Advance Search (keyword & date range)
- Live Dashboards for High Courts & Supreme Courts
- Access from anywhere using Android/iOS phone
- Secured using SSL

# TheLawAssist Apps for Lawyers

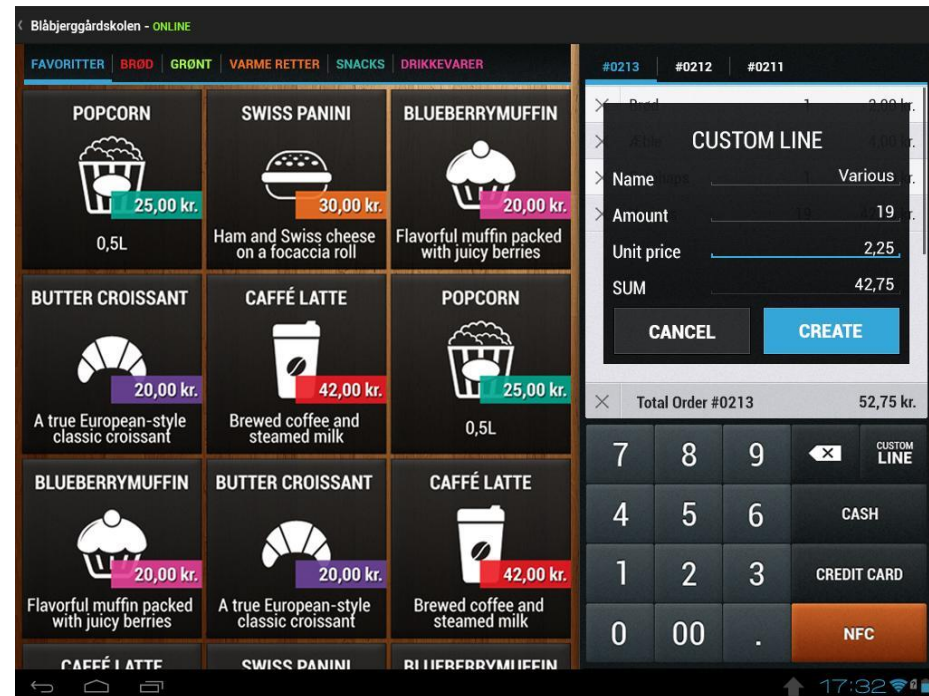


Technology: C#, Java, objective-C, WebView

# Beeptify POS Tablet App

Beeptify is Android based POS app where merchants can manage their menu, products, prices from the backend and get orders on the tablet, get payments via cash, cards and NFC based wrist bands

- <https://beeptify.com/>



Technology: Java

# Adrian James Fitness App

Adrian James the well known Fitness Trainer of UK.  
These Android & iOS apps help users

- to learn the various fitness tips and practices as guided by Adrian James
- To plan their meals as guided by Adrian James
- <https://itunes.apple.com/in/app/adrian-james-6-pack-abs-workout/id493912733?mt=8>
- <https://adrianjamesnutrition.com/>

The ultimate abs workout.



Join the fitness revolution.



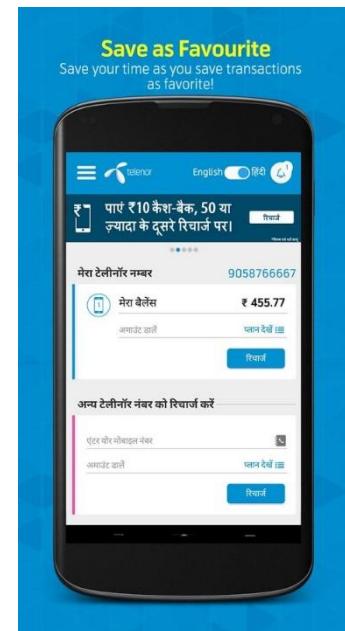
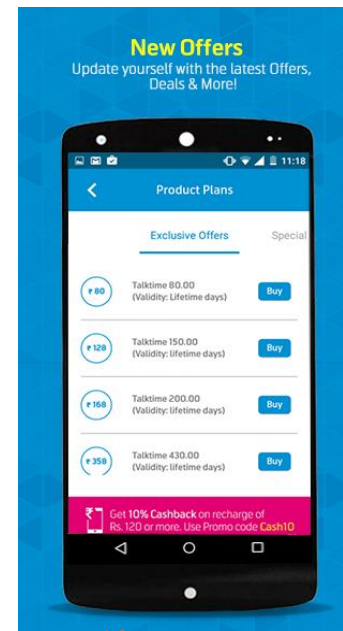
Technology: Titanium



# Telenor App

## Telenor India Android App

- Created Hindi version on top of existing English app for Telenor
- Created a cms to manage entire Hindi text and images
- App made to work in offline mode
- payment gateway integration
- <https://play.google.com/store/apps/details?id=com.telenor.india&hl=en>



Technology: Java

# GlowWorm's Plumbing ToolBox Apps

Glow worm mobile app (iOS and Android) is a nice app which discovers the simple way to make one's life easier and work smarter. Some of the user benefits are:

- Never miss another new sales leads
- Find a local merchant instantly
- Just scan it; instant product rewards and free warranty registration
- Manuals & leaflets – on demand
- Some rather nifty gadgets
- [https://play.google.com/store/apps/details?id=com.glow.worm&hl=en\\_GB](https://play.google.com/store/apps/details?id=com.glow.worm&hl=en_GB)

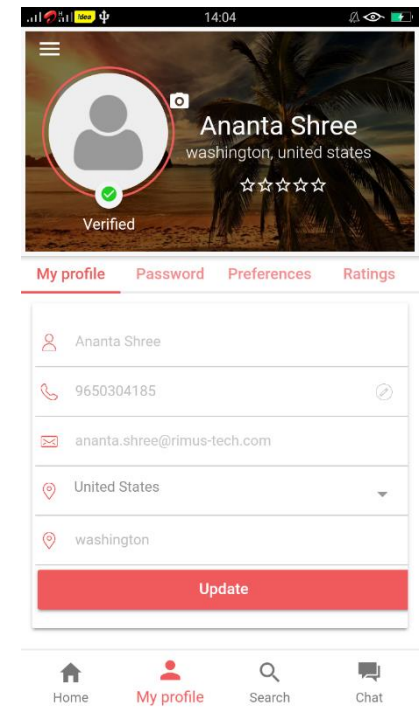
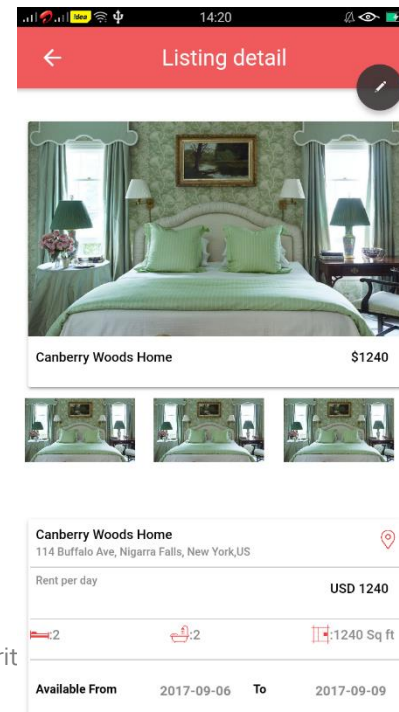


Technology: Java, Objective-C

# Blockchain based ShareARoom Service

ShareARoom is a Blockchain based room sharing app for like minded people to make their travels more enjoyable and cost effective.

- Users can book a hotel room or list their own apartment room for sharing
- User identities are verified by ShareARoom for security reasons
- Users are allowed to set their preferences (e.g. smoking, watching TV, food habit, languages etc) for partners
- Optimized mathematical operations for quick search results
- ShareARoom ERC20 crypto tokens
- Hotel booking using Ethereum & ShareARoom crypto tokens
- Uses Blockchain to manage Escrow contracts, key communication & payment transactions and user feedback
- Available on Android & iOS

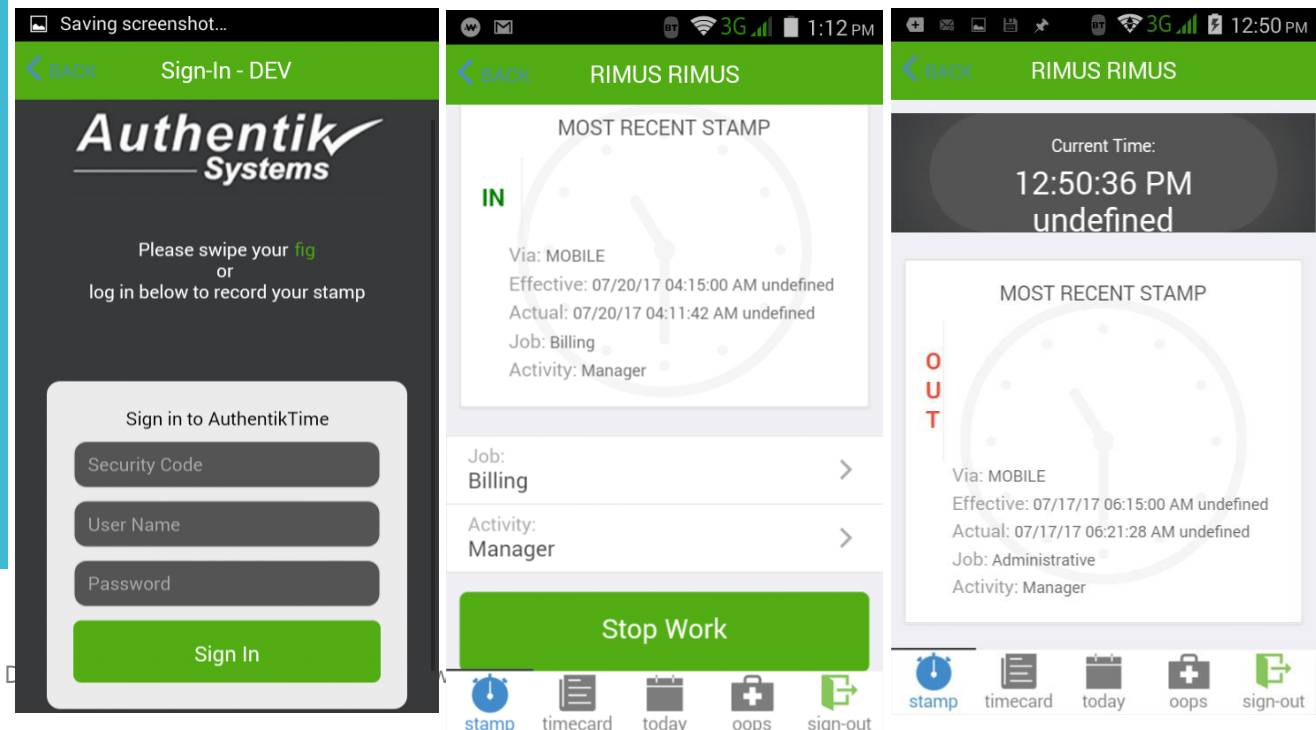


Technology: AWS Serverless  
Architecture(Lambda funs),  
Node.JS, IONIC2, Solidity,  
Ethereum, ERC20 tokens, Google  
FCM

# AuthentikTime

AuthentikTime is an attendance app specifically meant for enterprises with workers deployed for field operations.

- Employees can authenticate to AuthentikTime system using his/her credentials or finger prints. Bluetooth based finger print scanner device (called fig) is used for 'fig' authentication.
- User can Stamp-in or Stamp-out by choosing an activity assigned to him
- Geo location is accompanied with each stamping to ensure employee is stamping in from his deputed location.
- ColdFusion based server is used to provision Organizations, Employees, Finger print scanners.



Technology: IONIC1, ColdFusion, Google Maps, Bluetooth, biometric authentication, cryptography

# Enterprise & Data Security Projects

# Smart Card Reader Driver

## Device Driver for Smart Card Reader supporting PIV & CAC smart cards for Blackberry 7 and 10

- driver establishes a secure SRP tunnel with reader over Bluetooth before sending smart card APDUs.
- driver is pluggable into BlackBerry SmartCard reader framework
- integrated to work with various security operations like Smart Card based login to device, sending secure email(S/MIME), accessing secure website needing Client Authentication (SSL/TLS), Digital Signing, Encryption/Decryption etc.
- Follows ISO 7816-4 standards
- FIPS compliant



Technology: C++, Java,  
openssl, PKCS#11, PKI, ISO  
7816-4, SRP, Cryptography

Automation of openssl compilation for different mobile platforms (arm, mips, x86 ) apps 32 & 64bit platforms

- Generates FIPS & non-FIPS openssl libraries
- Generates openssl libs for ARM, ARMv7a, ARM64, x86, x86\_64, MIPS & MIPS\_64 platforms
- Generates libs for both Android and iOS
- Command prompt based, Simple to use



# Automation of openssl compilation

Technology: Shell Script, openssl



# SmartCard Integrated Web Browser

SmartCard enabled WebBrowser is primarily used in highly secure environment where in order to access certain websites user needs to login using his credentials stored on SmartCard. This is called Client Authentication.

None of the browsers on mobile currently support SmartCard based Client Authentication. This Chromium based web browser is uniquely facilitating this feature on Android.

- SmartCard access from within the browser
- PKCS#11 JavaScript API
- enables **access to web sites which needs Smartcard based Client Authentication**
- Overcomes Android Chrome' limitations

Technology: Chromium, C/C++,  
Java, openssl, Jscript, PKCS#11,  
PKI, TLS/SSL client authentication,  
Cryptography

# PKCS#11 C# interface for SafeNet ProtectServe r HSM

For Telangana eKYC project, a C# PKCS#11 interface developed for SafeNet ProtectServer External HSM (Hardware Security Module).

Key features of this interface are:

- XML file signing & verification interfaces complying with XAdES (XML Advance Electronic Signature) standards, using RSA, PKCS#11 & keys stored on HSM
- Encryption and decryption interfaces using OAEP, RSA, MGF1 padding with SHA256
- Exports certificates from HSM



Technology: C#, PKCS#11, HSM

# openSSL Engine for code signing

Developed an openSSL engine which locally generates the hashes and reroutes the signature request to 3<sup>rd</sup> party signing service. Key features of project are:

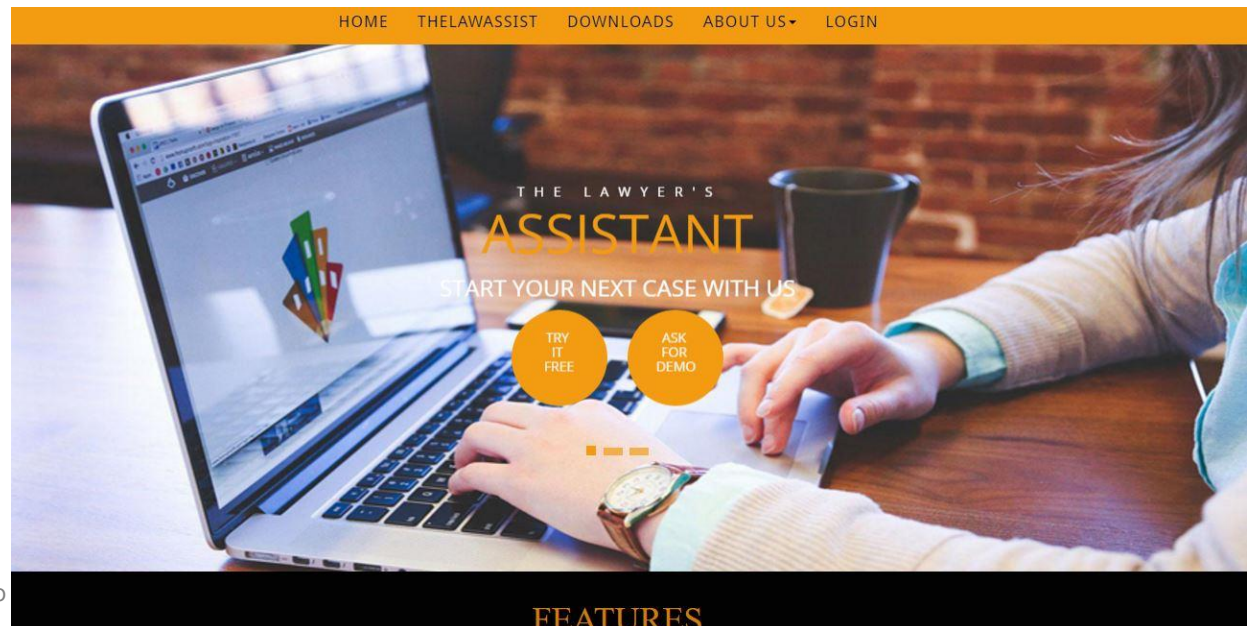
- Following signature schemes are supported:
  - SHA256withRSA
  - SHA384withRSA
  - SHA512withRSA
  - SHA256withECDSA
  - SHA384withECDSA
  - SHA512withECDSA
- The engine is able to authenticate to the signing service via username/password, client certificate (i.e., mutual TLS), and a combination of username/password and client certificate authentication.
- Overwrites RSA & DSA openSSL functions for signing and verification rerouting. Code signing is done at server
- Implements TLS client authentication

Technology: openSSL, C/C++, Curl,  
Cryptography

# TheLawAssist .com

TheLawAssist.com helps lawyers, law firms & corporate houses to manage their legal cases efficiently and effectively

- Daily CauseList sent over email to lawyers
- Updates clients on case progress
- SMS & email reminders on an upcoming hearing to lawyers and their clients
- Flexibility to set the frequency of advance notifications
- Flexibility to switch off client updates (at case level)
- Exchange notes with clients
- Attach relevant documents to the cases
- Maintains case history
- Print case details for physical filing
- Access/Manage cases from anywhere using your mobile phone
- SSL Secured communication



Technology: C#, Java, objective-C,  
MS SQL, MVC

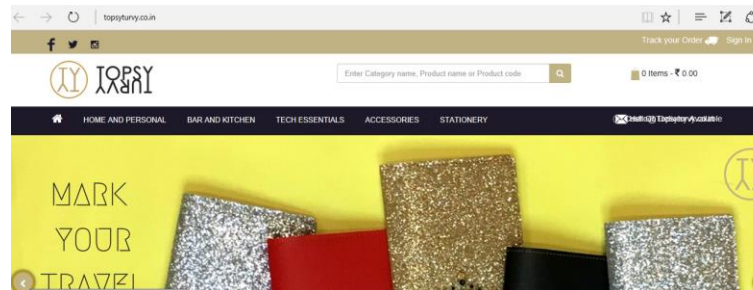
## eCommerce Store MoneySaverz

- [www.moneysaverz.com](http://www.moneysaverz.com)



## eCommerce Store TopsyTurvy

- [www.topsyturvy.co.in](http://www.topsyturvy.co.in)



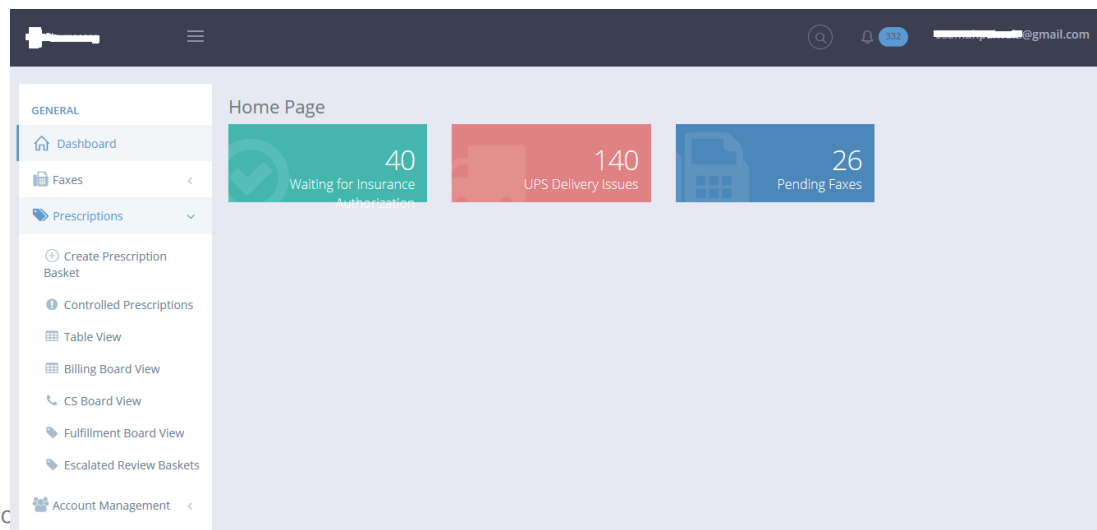
## eCommerce Stores

Technology: PHP, Jscript, HTML5

## CRM for Pharmaceutical Companies

This is an Order Processing & Customer Management System developed for a US based Pharmaceutical company specialized in customized medicines. This cloud based system has following key features:

- Integrated with HIPAA compliant 3<sup>rd</sup> party order entry system
- Customer Service Dashboard to process new orders, provision to followup customers for missing information, Escalation to sales if needed
- Billing department dashboard to process orders approved by CS team
- Fulfillment Team Dashboard to assist on Shipments and record keeping
- FedEx API Integration to generate & print shipment labels
- Module for sales team to manage account managers and doctors
- System specializes in Compounded / customized medicines
- Various financial and non-financial reports
- Mail & Fax orders integration
- Zendesk support API integration




**Technology: ASP .NET, JScript,  
HTML5, MYSQL, MailGun,  
Zendesk, Azure**

# Student Teacher Advanced Collaboration Portal

An innovative portal meant for Student Teacher collaboration and to be used at school level. Key features:

- Starts with capturing Students Learning Styles (Visual prominence, Auditory Prominence, Reading/writing Prominence, Kinaesthetic Prominence data) along with Learning Proficiency (Linguistic, Mathematical/Logical, Critical Thinking, Collaborative)
- Students' learning proficiency is mapped with Subject/topic assessments.
- Teachers are supposed to design the online courses as per the learning styles of an individual/group so that it can lead to better results
- School admin/principle can look into wholistic data of Students and Teachers while teachers can view class/group data of their students
- Various reports specific to Student/group/Class/teachers' performance & efforts toward improvements.
- Multi-layer user profiles



[Dashboard](#)  
[Manage class](#)  
[Manage section](#)  
[Manage subject](#)  
[Manage teacher](#) <  
[Manage student](#) <  
[Manage parent](#) <  
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[Home](#) | [Manage subject](#)

[Add subject](#)

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4 <input type="checkbox"/>	English	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5 <input type="checkbox"/>	Botony	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6 <input type="checkbox"/>	Inorganic Chemistry	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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8 <input type="checkbox"/>	Chemistry-1	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
9 <input type="checkbox"/>	Maths	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Technology: PHP (CodeIgniter),  
Jscript, HTML5, MYSQL



# Job Allocation & Attendance System

## Job Allocation & Attendance System

Custom/Native app development (Android & iOS) for internal use of MasterCare Janitorial Services company in Canada

- The task was to smoothen the process of assigning the jobs to more than 8000 Janitors and scheduling them to more than 3500 clients
- Taking care of their Location based attendance and work timings
- Reports and billing
- Backend designed in MVC framework of php using HTML5 & JS for front end dashboard
- <http://www.mastercare.com/>

Technology: PHP, Jscript, HTML5

# RPM code sign tool enhancement

Enhance RPM Code signing tool to support server based code signing. Key features of project are:

- Following signature schemes are supported:
  - SHA256withRSA
  - SHA384withRSA
  - SHA512withRSA
  - SHA256withECDSA
  - SHA384withECDSA
  - SHA512withECDSA
- RPM code signing tool is able to authenticate to the signing service via username/password, client certificate (i.e., mutual TLS), and a combination of username/password and client certificate authentication.
- Supports X509 and PGP certificates
- Implements TLS client authentication
- Enhance signing function to reroute the signing process to be done at server

Technology: GPG, RPM, X509, SSL,  
RedHat, C

## Fingerprint scanner (h/w & s/w)

Project scope was to develop a Bluetooth 5 based finger print scanner with Nordic microcontroller and fingerprint scanner.

Key features of project are:

- Development of h/w, f/w and mobile app
- Both swipe and touch finger print are supported
- Bluetooth discovery and intelligent logic to quickly find and connect earlier connected devices
- Secure Bluetooth connections
- USB controller
- Low power consumption
- Developed provisioning software
- Developed mobile app for demo purpose



## UI Artwork

# UI Artwork

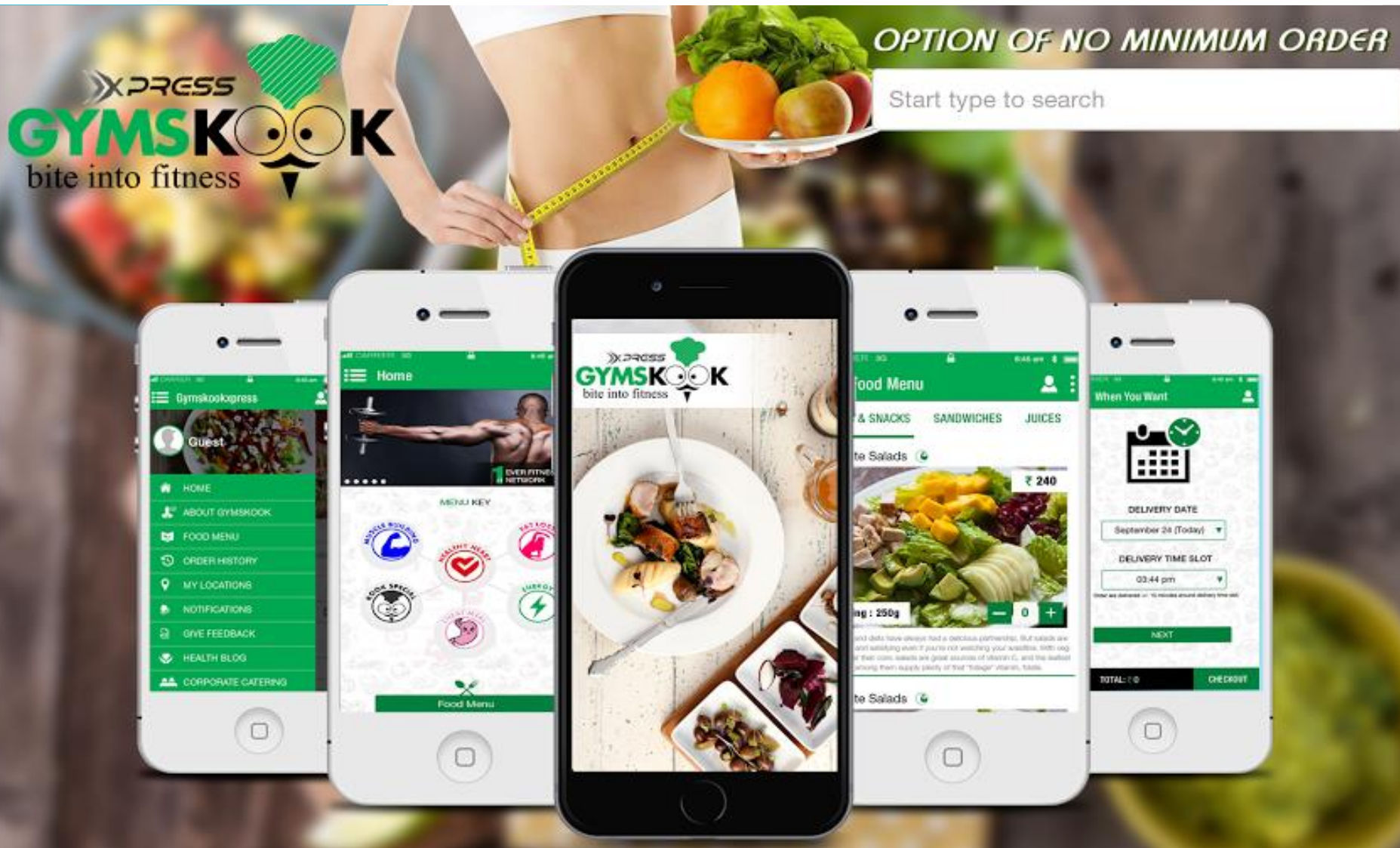




# UI Artwork



# UI Artwork





# UI Artwork



# UI Artwork



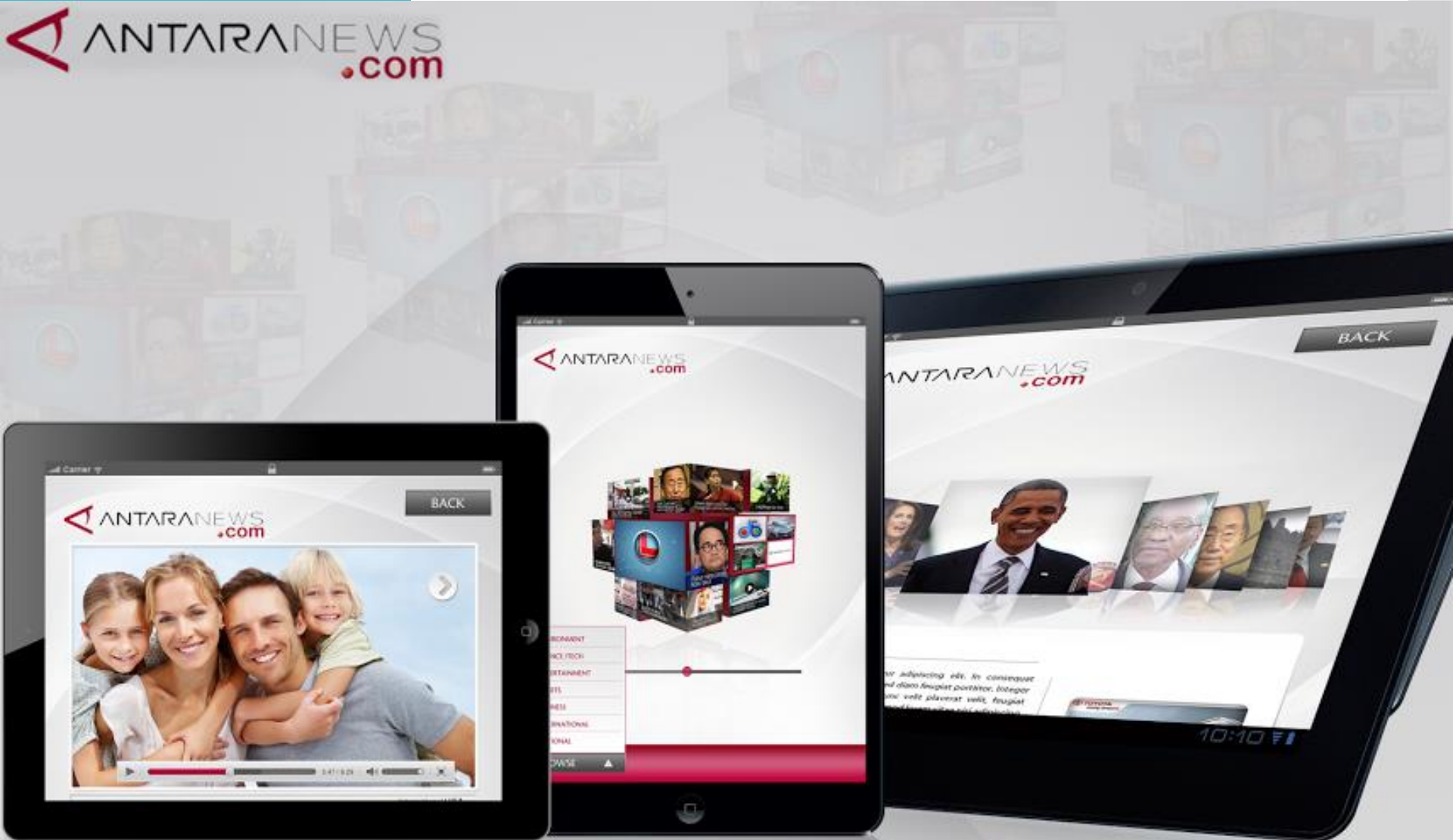
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# UI Artwork



# UI Artwork



# UI Artwork

*Essential Watches*  
of Beverly Hills

We Specialize In All Fine Swiss & German Watches





# UI Artwork

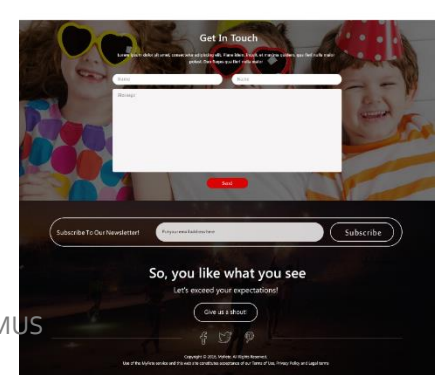
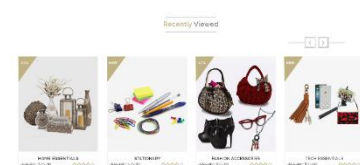
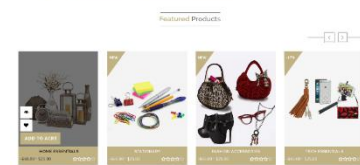
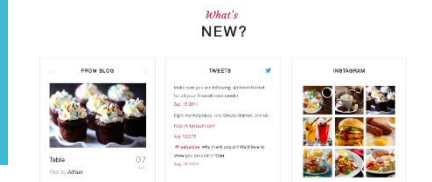




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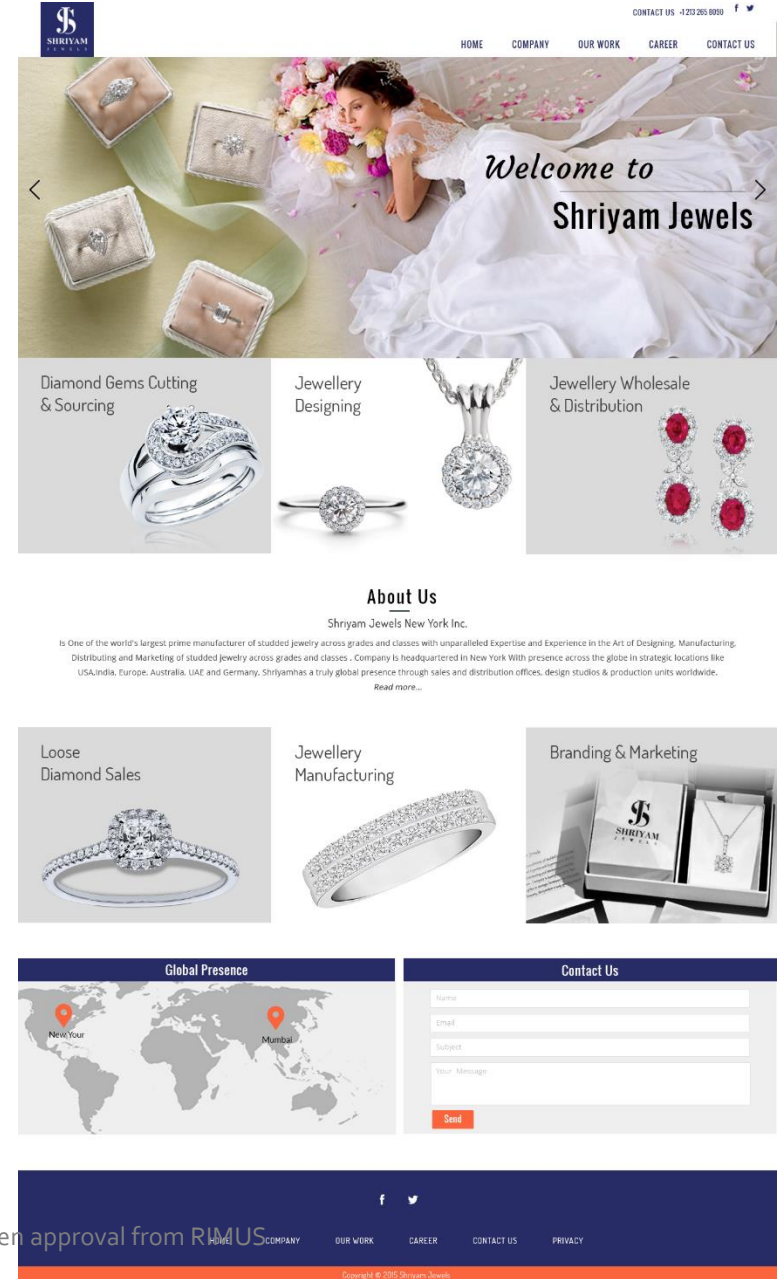
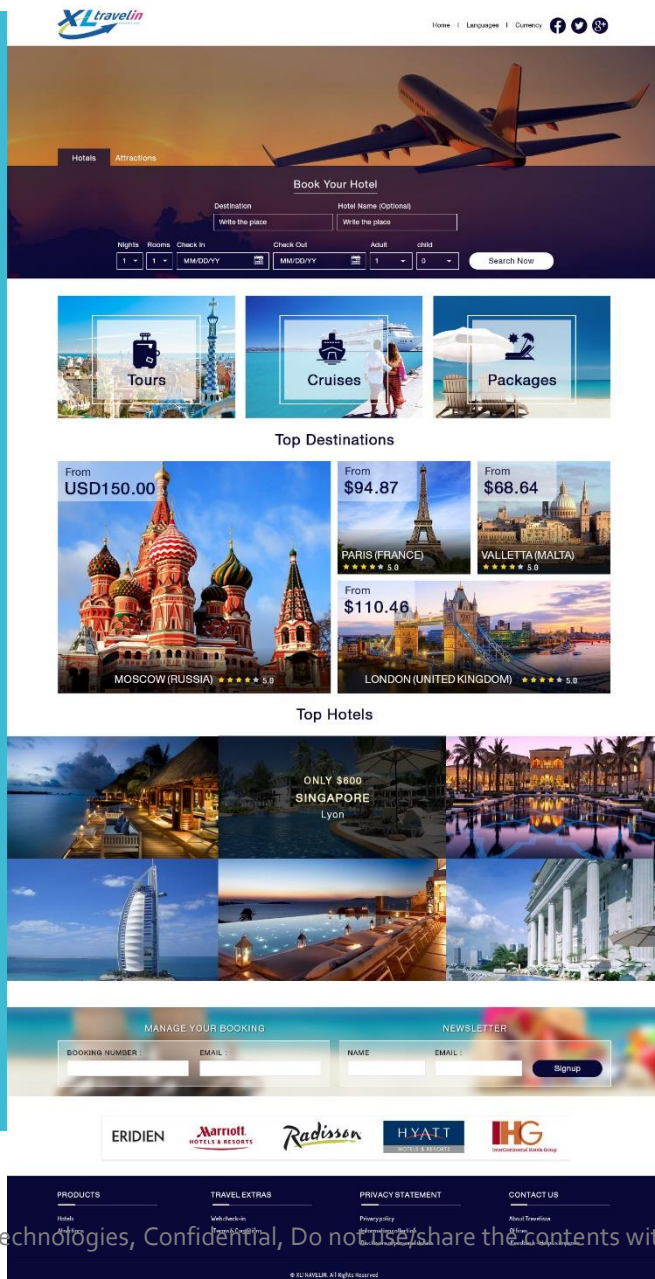


# UI Artwork





# UI Artwork



## Website/App References

<http://www.protectswhatsgood.in/>

<http://www.mycity4kids.com/>

<https://www.medexsupply.com/>

<https://moneysaverz.com/>

<http://www.colourentice.com/>

<http://www.changeyourboss.com/>

<http://www.recordpress.com/>

<http://www.beckersalon.com/>

<http://www.ryeridgedeli.com/>

<http://www.topsyturvy.co.in/>

<http://sharearoom.com>

# Contact Us



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