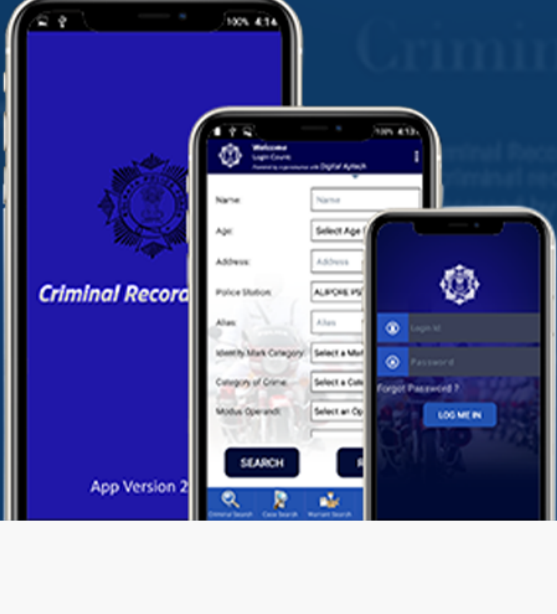


Case Study: Criminal Records System

Kolkata Police aimed to develop an app where all the criminal records of the city could be stored as well as accessed by the employees efficiently. The mobile app would act as an umbrella platform where personnel of the Kolkata Police Force would access crucial crime and criminal data based on permission provided as per designations.

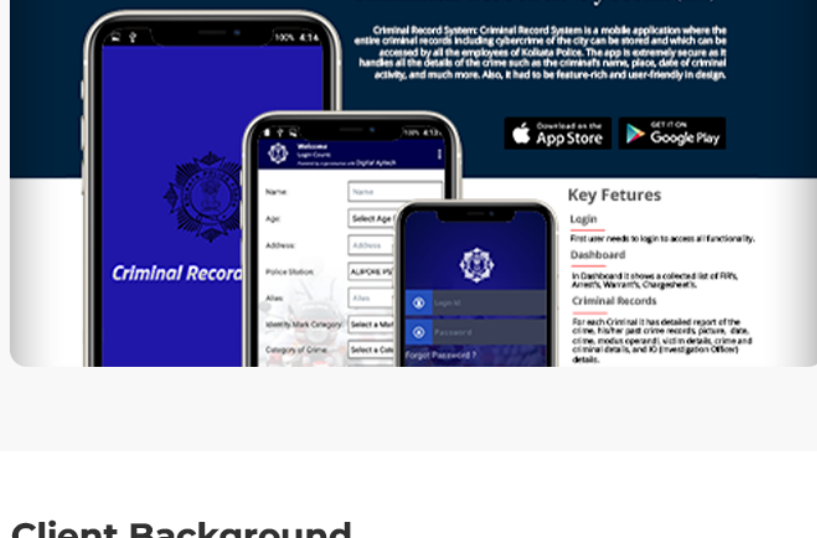
Avg. reading time: 2 min



Project Overview

- Kolkata Police, a law enforcement agency wanted a dedicated app that'd house details of various crimes and criminals
- The app required top-notch security, feature-rich with a user-friendly interface
- This mobile would allow the user the level of information that is granted as per the rank of the employee

Read more



Client Background

- Kolkata Police Force (KPF) is one of the six presidential police forces of the state of West Bengal and the oldest police commissionerate in the country
- The dedicated app would house details of various crimes and criminals under one unified platform for employees to access



Challenges

- The legacy database system wasn't properly oriented and managed
- There wasn't any centralized data system for the police force
- Details like crime, FIR, case search, vehicle details, criminal search, warrant search, lost mobile would be accessible through the app
- The Kolkata Police Force has different divisions and each has its own different database, but needed a centralized system for efficient data storage and access
- The app needed world-class security so data does not go into the wrong hands
- Police personnel are not as tech-savvy so they needed an interface that they could use with ease

Technology Stack used



Obj C



Java



Android Studio



XCode

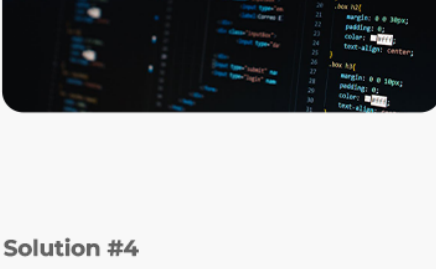


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The Solution Provided

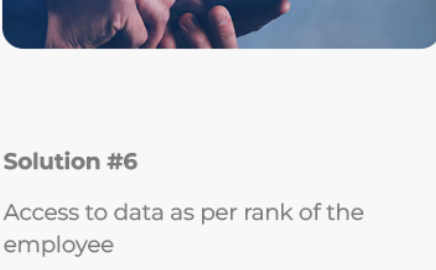
Solution #2

A centralized and unified system for better data access




Solution #4

Retention of previously stored data



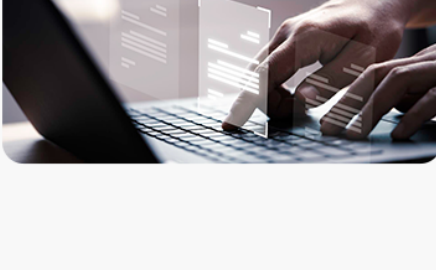
Solution #6

Access to data as per rank of the employee




Solution #8

Details as per the mobile number



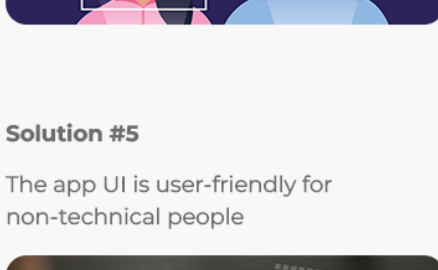
Solution #1

Information merged from multiple web portals used previously under a single platform



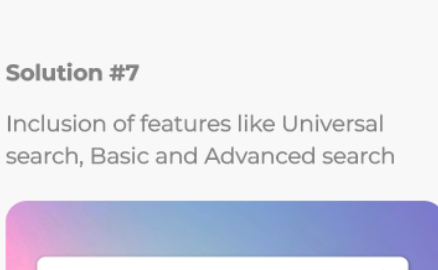
Solution #3

Inclusion of Face Detection technology for criminal database



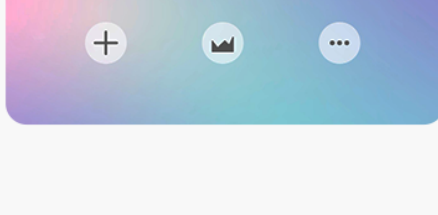
Solution #5

The app UI is user-friendly for non-technical people



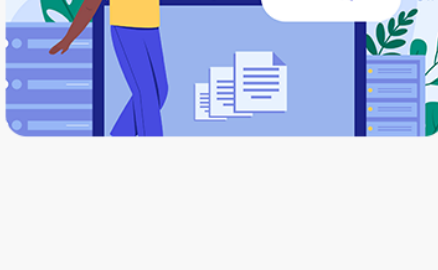
Solution #7

Inclusion of features like Universal search, Basic and Advanced search



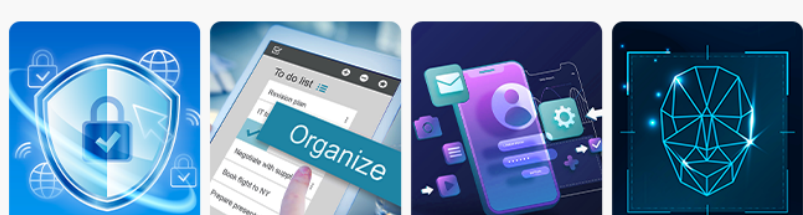
Solution #9

Easy and quick update of a particular case



Key Features and Benefits

- A secure, feature-rich mobile application with an easy user interface that employees can use to access details related to crimes and criminals swiftly
- An Admin Support that would organize roles and permissions needed for accessing
- To organize, restructure as well as merge the previous and existing database of the Kolkata Police Force
- Access to crime and criminal data as per permission based on designation
- Simple user interface for ease of usage
- Face Detection technology for the criminal database
- Unified database for multiple departments to access



The results

- Information merged from multiple web portals used previously under a single platform
- Employees could access any criminal record instantly without going to multiple platforms and logging in every time
- Employees can access data related to crime reports of a particular police station with just a few clicks
- Fast and easy of usage with a simple UI
- Multi-layered security to prevent data leakage or cyber attacks
- Data centralization with the merging of multiple databases of different platforms



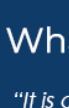
Challenge #1
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Challenge #2
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Challenge #3
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What Client said...

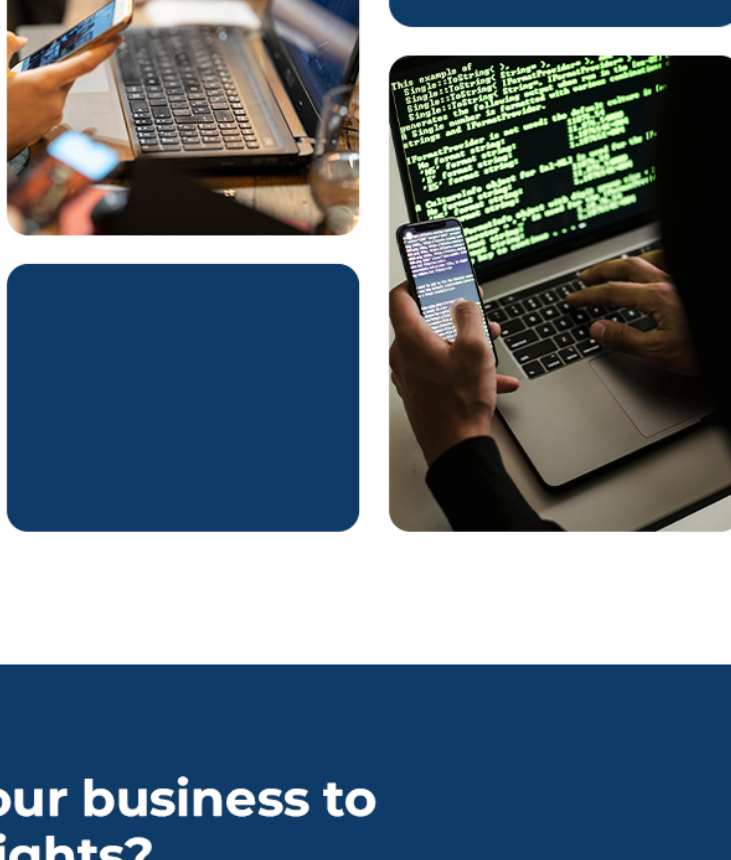
"It is a pleasure working with them. Wish Digital Aptech all the best for their future endeavor"

Shri Vishal Garg
Additional Commissioner of Police (V)
Kolkata



Conclusion

- The app allowed the Kolkata Police team to efficiently manage and execute various cases
- The development of CRS allowed KPF to reduce the overall cost required for the maintenance of database
- KPF's previously used non-distributed system impacted the operational flow. However, the CRS app helped to streamline operations
- Users are highly satisfied as they can easily access a wide variety of data with just a few clicks
- Better and easy access to multiple department data helped in simplified data management
- Quick and hassle-free updates of case data assisted in improved tracking of cases
- Added layers of security in the app made the crime-related data of the city completely safe and secure
- The app helped in the overall improvement of criminal case data management of the city



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