

Idea/Approach Details

Ministry Category : Ministry on Railways

Problem Statement : Passenger Security

Team Leader Name : Shreyas Sharad Patil

Problem Code : #MOR2

College Code : 1-3323650671

Idea/Solution/Prototype

- We are developing an Android application on Railway Passenger security.
- Passenger needs to register or authenticate through Aadhaar Number. This authentication will be done using Aadhaar API.
- Passenger related data such as name, age, mobile no., address etc. will be stored in Firebase Database from Aadhaar API.
- After Successful authentication, details are stored and actual feature of app will be shown. Passenger will be provided with three menus :

1) FIR Through Call : In this call will dialed from passenger's mobile to GRP (182).

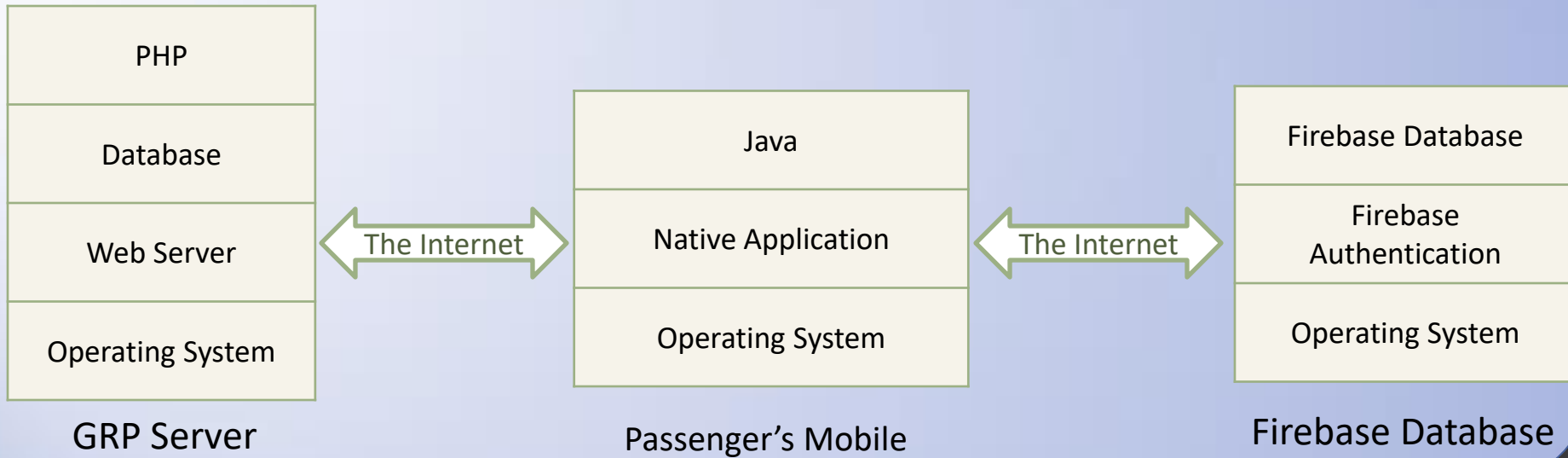
2) Online FIR Registration :

- In online registration passenger will be asked for PNR and all details regarding train will be automatically fetched like train name, train no., etc from Railway API.
- All passenger's personal information will be retrieved using Aadhaar API.
- After Submitting above details passenger needs to select the 'Types Of Crime' and submit it.
- Then all above details will be send to GRP Server in JSON data.

3) Status/Details of FIR :

Details or status of Submitted FIRs will fetched from server and shown here.

Technology Stack



Use Case



▪ **Dependencies :**

- Android Device having Operating System V4.0.1 **OR Greater.**
- Google Play Services of Version V11.0 **OR Greater** app installed.
- Railway API.
- Aadhaar API.

▪ **Show Stopper :**

- If passenger is not connected to internet or in not reachable area then he/she can not access services of the application.
- If passenger's mobile number is not linked with Aadhaar then he/she can not register on app.

Diagrammatic Representation

