

# Idea/Approach Details

**Technology Bucket :** Software - Mobile App Development    **Category :** Software  
**Organization :** Airports Authority of India    **Problem Code :** AK12  
**Team Leader Name:** Kaveri Sanjay Ghodke    **College Code :** C-15788  
**Team Name :** Code Generators  
**Problem Statement :** A Mobile based Inventory Management System using QR code application.

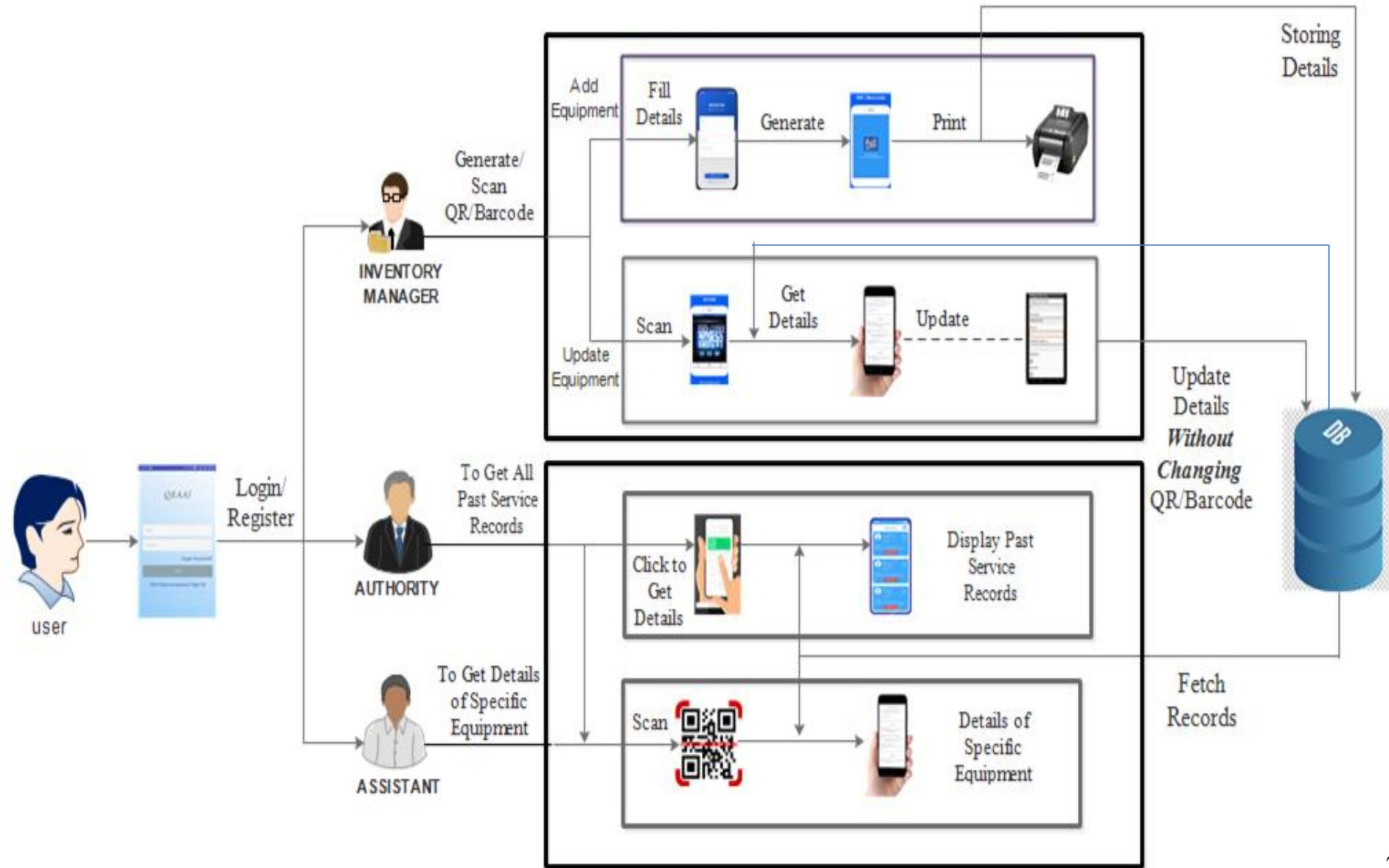
## Objective :

To design and develop a mobile application for Inventory Management using QR Code.

## Solution :

- **Provided three level access to user i.e. Authority, Inventory Manager or Assistant.**
- **Interface to enter equipment details through mobile app.**
- **Generation of QR Code/Barcode for each registered equipment.**
- **Readily accessing a past service records by scanning a QR Code/Barcode.**
- **Timely updation of service history on the spot, just after maintenance.**
- **Timely reporting status of damaged equipment to higher authority.**

# System Architecture



# Technology Stack

- **Language:** Dart (Supports Android OS and iOS)
- **Software:** Android studio (**plugin** : Flutter) (**Version** :3.5)
- **Database:** MySQL (**Open Source/Store More Amount of DATA**)
- **Platform:** iOS/Android

## Use Case

