Android work done

1. Communication library (Real time) library for enabling real time communication and notification

This class library is used to enable real time communication

* + 1. Alerts
    2. Notification
    3. Announcements
    4. Chatting
    5. Nearby functionality (i.e. explore nearby agro shops)
    6. Task manager (To do list)

1. Authentication and Encryption library
   * 1. This class library is used during registration and login
     2. Data encryption between android device and server (API calls)
     3. Encryption of cached data (Secure data)
2. Payment Gateway library

This library is used in all matter concerning payments

* + 1. Payment when initiating chat with expert
    2. Pay to purchase goods
    3. Pay for registration to use application

1. Chat bot library

This library is used to create chat BOT

1. Menu manager

This class library is responsible for creating and handling all menus i.e. main menu, left drawer, right drawer and bottom navigation

1. Farmer Calendar

Manages farmer **To Do List**, things farmer need to do according to type of farming he/she is performing

1. Farm Manager

This is one of the core library in the app, it is the one that help farmer to manage any type of farming, this library is used to give information to farmer on how he/she can perform farming

1. Market library

This library handles all matter of market place

* + 1. Buying
    2. Selling
    3. Explore market

NOTE

All the above functionalities have been done in other parts of the entire system.

1. API (Application Programing Interface) links android app with database
2. Agripoa administration system (CMS)

This is web application

1. Expert Web Application

Experts will have two versions of the application i.e. Android and Web App