Problem Statement : Software - Agriculture and Rural Development

Organization Name : AICTE

College Code : 1-3517147605

Team Name : Kisaan

Team Leader Name : Shubham Vilas Pawar

Idea(Brief) : App to provide farmers information regarding fertilizers, pesticides, organic farming, availability of subsidies and query-based help from government officials.

Approach : After having logged in , the farmer will be provided with the following options :-

Fertilizers: Here, based on the selection of the crop/fruit and the land area entered, the appropriate fertilizer name and required quantity will be suggested.

Pesticides : Here based on the crop/fruit, the pesticide along with the possible diseases that they may contract and solutions to prevent it will be suggested.

Organic Farming : Information regarding various aspects of organic farming will be made available.

Talk with us: Farmers will be able to ask Government Officers the queries directly, which will be answered by them via a website link they will be provided with by us.
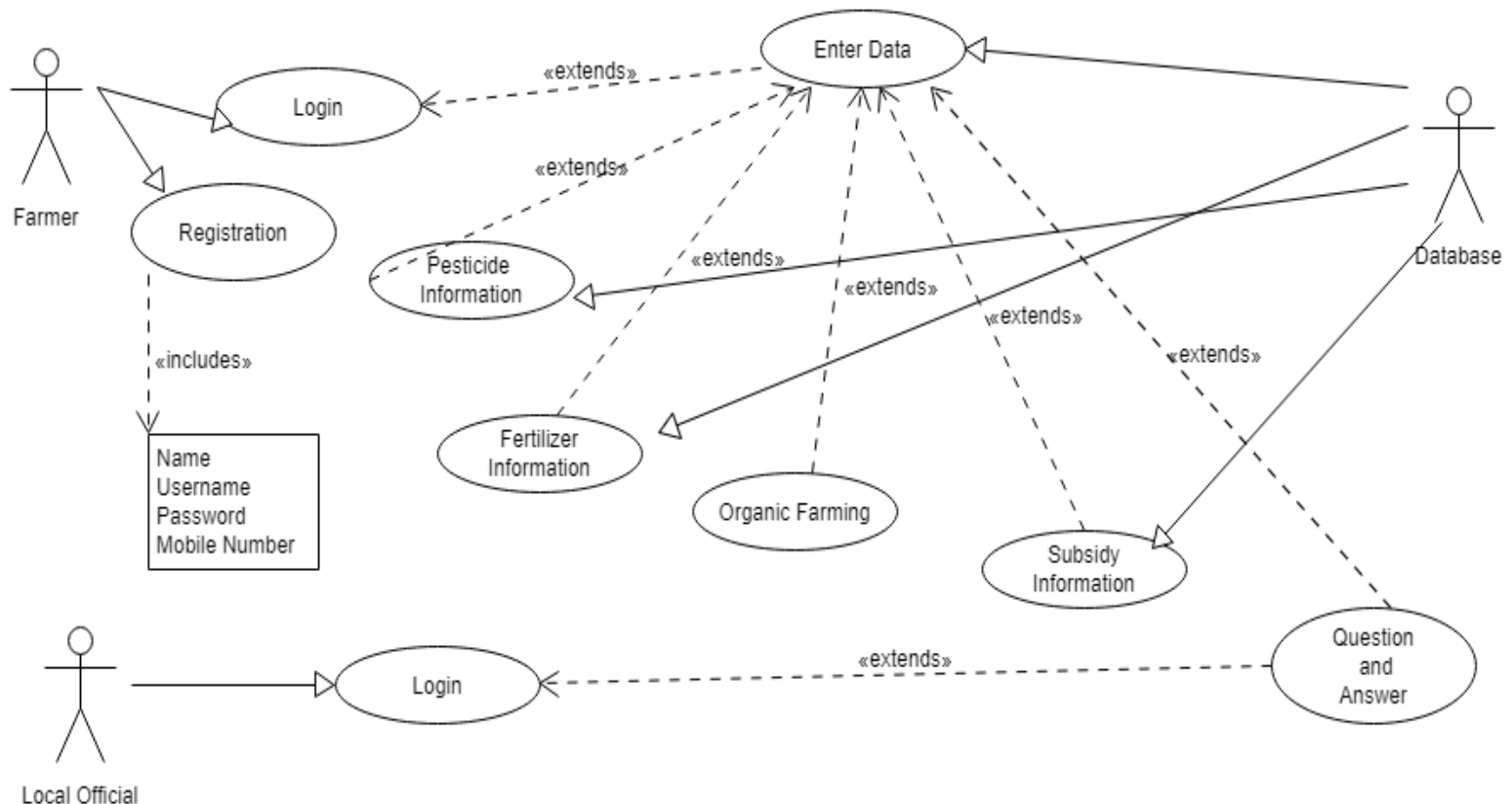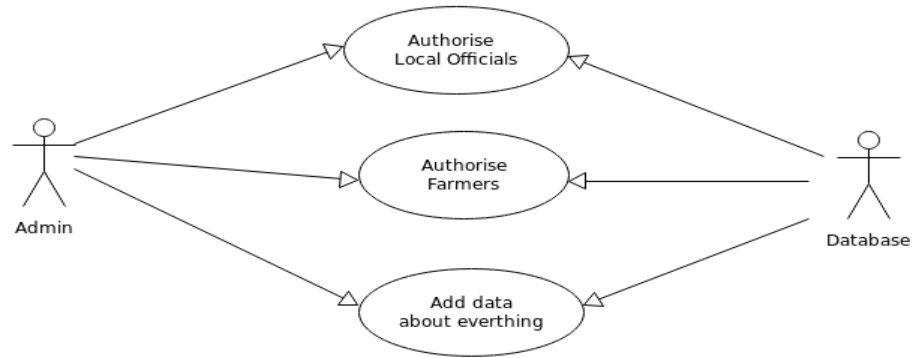
Government

Subsidies : Information regarding the state and national level subsidies will be made available. Government Officers will also be provided with a website link through which they can update information related to subsidies.
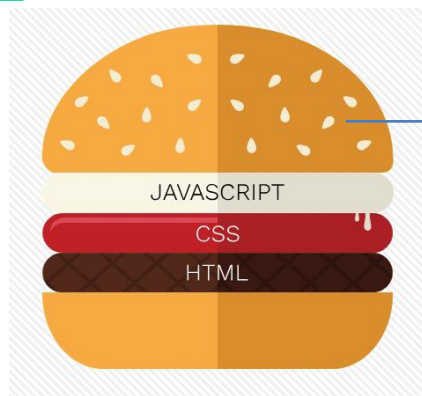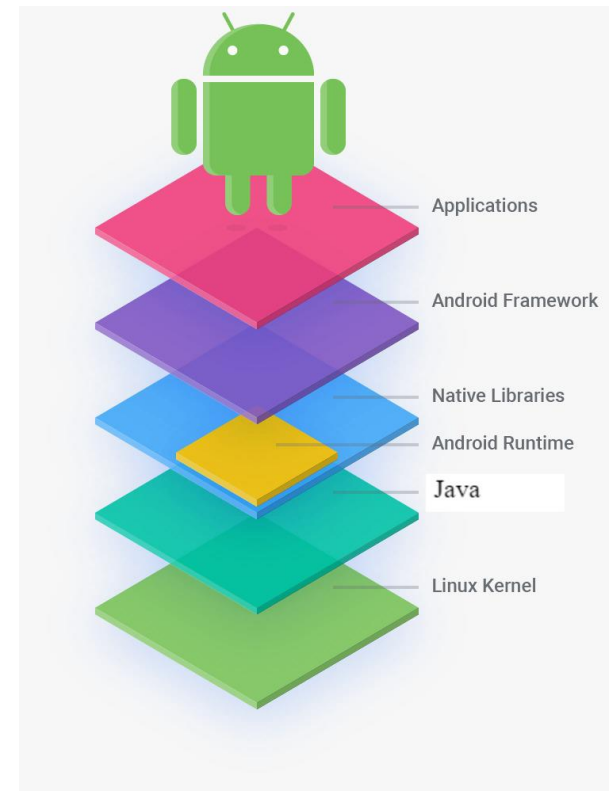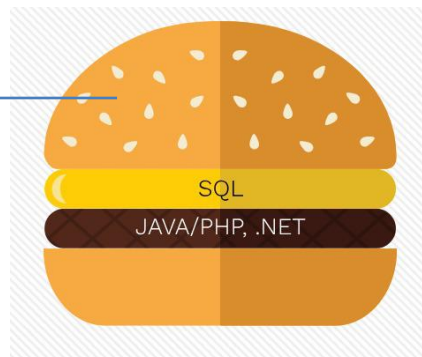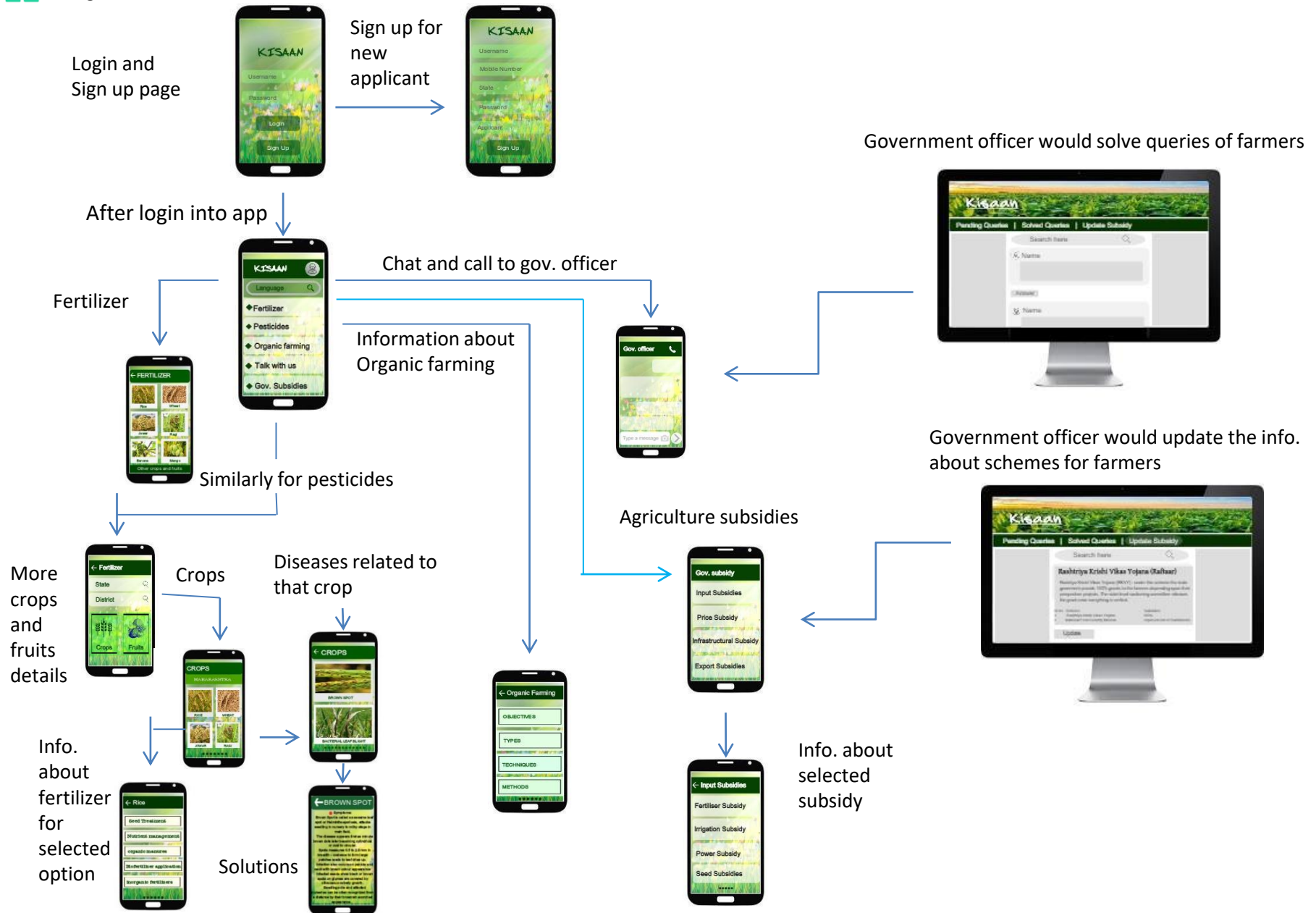
UML Diagrams :

📝 Technology Stack:

Front end language

Back end language

JAVASCRIPT
CSS
HTML

SQL
JAVA/PHP, .NET

Applications

Android Framework

Native Libraries

Android Runtime

Java

Linux Kernel

🔲 **Layout :**

Login and Sign up page

Sign up for new applicant

Government officer would solve queries of farmers

After login into app

Chat and call to gov. officer

Fertilizer

Information about Organic farming

Similarly for pesticides

Government officer would update the info. about schemes for farmers

More crops and fruits details

Crops

Diseases related to that crop

Agriculture subsidies

Info. about fertilizer for selected option

Solutions

Info. about selected subsidy

Show Stopper: For catering every farmer's need data about diffferent fertilizers and used in each district is necessary which can only be provided by the government. Also, we depend on the government officials to update the subsidies section whenever any new subsidy is announced.