Idea/Approach Details

Technology Bucket : Agriculture and Rural Development

Company Name: MindTree

Team Leader Name : Shubham Chandgude

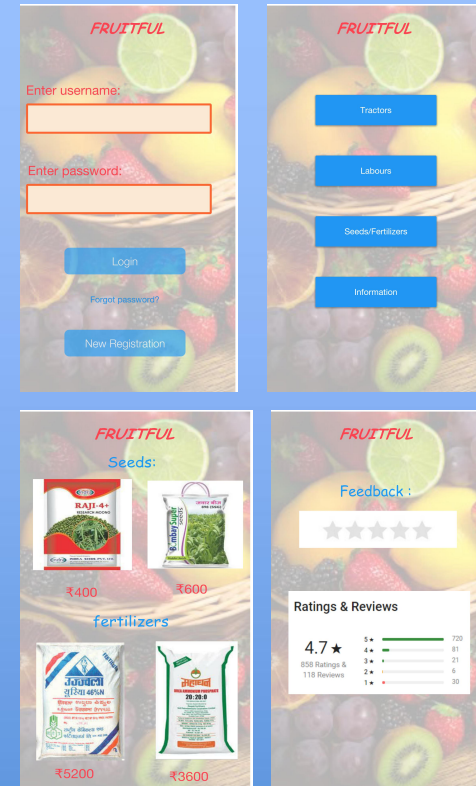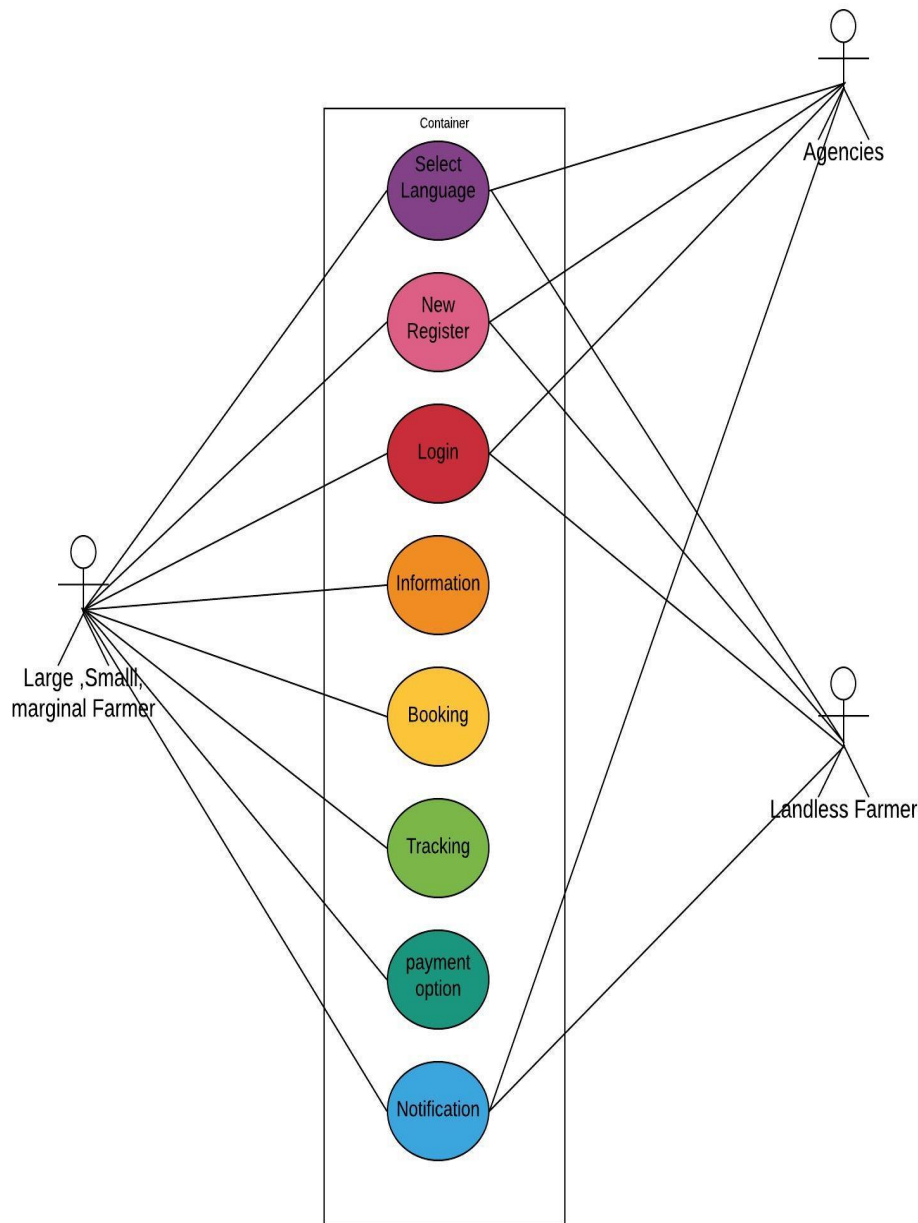Category: Software

Problem Code : LB1

College Code : 1-3508248462

Solution:

A mobile application can be develop where user(farmer or agency)can login with regional language.Farmers will be provided with facilities where they could search for tractors in nearby areas using Track location through GPS.Also information about mechanization, seeds and fertilizers will be available in the application itself with additional information . feedback and review will help to make the delivery process efficient and faults can be detected and verified. Agencies will be notified after booking. Both online and offline Payment is available in the application itself. Inshort this is simple mobile application which can easily used by farmers for efficient farming.

➢ Link of Prototype : https://drive.google.com/file/d/1TGzmIHkYRQ6KI5TVSVZy2F-89AMhKzAj/view?usp=sharing

Prototype:

User Scenarios :

Language Selection, registration, Login, Information Gathering, Booking for seeds, fertilizers or other mechanization, Tracking for Place where agencies are Available, Payment and notification .

Users:

Large small, marginal farmers, Landless farmers, Agencies, Tractor and other Mechanization owners.

Rolls:

Agencies will provide availability of mechanization and will be notified after booking process.

Farmers will be able to book, track, login, gather info, get notification and pay for mechanization, seeds, fertilizers.

Technology stack

Software Specification:

User side:	Android Mobile
Software for android application:	Android Studio
Web Server	owner server
Database	MYSQL
Front End	Xml,Javascript
Back End	Java, Kotlin

Dependencies:
- Internet
- Android phones
- Connectivity Network
- Tractor availability

Stopper:
- illeterate person
- old model phones
- less tractor and more user