

Fortnightly Mini Project Status Report

Project Title: FruitHub

Group No: 6A

Date: 29/01/2024

Enrollment No: 12102080601035

Enrollment No: 12102080601040

Enrollment No:12102080601048

Contents:

1) PROJECT STATUS SUMMARY:

- Selected the Project definition. Completed the selection of the Dataset and FDA approved nutrition values and heading toward cultivation data, the UML Diagrams and UI.

2) WORK PLANNED FOR LAST FORTNIGHT:

- Select the definition of the project.
- Read the possible solutions which have done before for similar kind of projects.
- Collect the dataset we need for this project.
- Select Technology Stack.
- Divide the work in team.

3) WORK COMPLETED FOR THIS FORTNIGHT:

- Decided the problem statement for the mini project after considering the 3 possible options discussed during the team meeting. First, we discussed the possible domain which we want to create the project. After that we concluded to create the project in ML, Mobile and Web domain.
- 3 possible definitions to select was
 - ◆ Bird finder: Create an app with ML model which identifies the birds and tell which bird it is. Issue was user cannot take perfect picture due to motions in which birds are.
 - ◆ Seed finder: Create an app with ML model which identifies the plant and fruit which will tell you how its seed will look like. Risk was the ideal positions in which photo is taken cannot be fixed and this app will have no profound impact on society.
 - ◆ Fruit finder: Create an app with the Machine Learning model which identifies the fruits which have presented in image. It will provide you how to cultivate it and it's nutrition values.

- Technology stack is finalized
 - ◆ Mobile: Kotlin and JetPack Compose.
 - ◆ Web: JSP and Java.
 - ◆ Database: MySQL.
- Selected the dataset for the model we wanted to create for the problem statement from open source Kaggle platform.
- Got the FDA Approved nutrition values for vegetables and fruits.

4) **WORK PLANNED FOR NEXT FORTNIGHT:**

- Select the data we want to show as the cultivation data in the application.
- Design the UI for mobile application and Web.
- Draw the UML Diagrams.
- Prepare the presentation.

5) **OPEN RISKS**

- Change in Technology Stack while proceeding further.
- Finding the data for cultivation.