Fortnightly Mini Project Status Report

Project Title: FruitHub

Group No: 6A Date: 27/03/2024

Enrollment No: 12102080601035 Enrollment No: 12102080601040 Enrollment No:12102080601048

Contents:

1. **PROJECT STATUS SUMMARY**:
   * Improved the Deep Learning Model on real time images taken unlike the training data. Implemented navigation and basic connection with the Server
2. **WORK PLANNED FOR LAST FORTNIGHT:**
   * Complete the Static front end.
   * Implement the FireStore Database with putting the data.
   * Improve the Deep Learning Model.
   * Integrate the remote database and the local database.

1. **WORK COMPLETED FOR THIS FORTNIGHT:**
   * Solved the errors regarding the navigation by creating the entire application context as one class which inherits the property of the ComponentActivity.
   * Every screen is created as a separated Composable annotated function with the navContoller to navigate to another composable.
   * Improved the Deep Learning model using transfer learning method of some previously trained model to improve its accuracy on the real life instances captured by the camera.
   * Implemented the firebase’s FireStore no SQL database and changed the architecture of the data stored for improved use of the data stored on the remote server.
   * Completed the Static Implementation of the UI

1. **WORK PLANNED FOR NEXT FORTNIGHT:**
   * Integrate and test the application with the machine learning model and FireStore Database
   * Improve the Data Set for future purposes.
   * Complete the documentation of the project.
   * Prepare the final presentation.
   * Improve the Performance of the application to publish it online on play store.
2. **OPEN RISKS**
   * Traffic on the server using the application.
   * Marketing the application.
   * Integration testing failure.

Sign: (Internal Guide)