**Software Implementation and Testing Document**

**For**

**Group 17**

Version 1.0

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# Programming Languages

For the entire App we used Flutter and Dart. All the functions were created using only these and couple of API’s and packages in them.

# Platforms, APIs, Databases, and other technologies used

* 1. Flutter, Dart: Used for all the functions.
  2. Firebase and Pyrebase: Used for storing and retrieving login information.
  3. API’s: GeoCoder, Flutter google places, Flutter share me, Firebase auth, smoot star rating, google sign in, Firebase storage.

# Execution-based Functional Testing

Functional testing of the project was done by each group member. After each push to the repository group member compiled and ran the application on their devices. Testers tested opening the app to see if the app open or crashed. Functionalities such as moving through tabs was also tested. We checked all the functions to see if the app breaks at any certain conditions or cases. Also checked if it is compatible on all the testing devices we had.

# Execution-based Non-Functional Testing

Execution-based Non-Functional Testing is done by all the team members trying to log in into the app and see if they can login when they do not have an internet connection as the program require strong internet connection to run properly.

# Non-Execution-based Testing

The project has been delegated to team members in the form of design and function coding. As such, all the formatting and graphic functions have been reviewed by each of the team members during meetings and are walked through and altered to make sure the program is written in an effective manner and to ensure that a team member does not do any work that another team member can not integrate.