

CS441Mobile Application Development

Mobile App Team Project

Activity 3: Implementation

CodeGears

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24th April 2022

Final Report

Project Name: WorkWaves

GitHub Repo: <https://github.com/StevenAttipoe/workwaves.git>

Work Waves is a mobile application for finding freelancers to work with on projects. The categories can be defined by field, specialization, geolocation, and fees etc. Connection to freelancers is done by considering user-specific categories to provide optimal services to users. Users will be allowed to provide feedback and reviews on the services provided by freelancers.

Users need to sign up to use the app where they will have to specify their role.

Tools:

- Figma
- GitHub

Local Resources:

- Splash screen
- Form validator
- Firebase Authentication

Libraries:

- Firebase authentication
- Firebase core
- Firebase cloud
- Material App

Frameworks: Flutter

API's: Firebase firestore

Languages: dart

Database: Firebase firestore

Workwaves was designed using Figma to illustrate how the mobile application would function and look. The app was designed to make usability easy and the colors easy on the eyes. The application uses the material app framework from dart to create the UI of the app. It uses Firebase to retrieve real-time data from the database (this allowed us to use built firebase functions instead of creating APIs). Model View architecture was implemented in creating the app.

The user can create an account and log in to use the application.

The user can add an existing project to their account.

The user can view all the projects available.

The user can delete a project.

How The App Works

Class app:

Splash screen: the app uses a designed image for the splash screen to welcome users as soon as the app is opened.

login & Sign-up:

The app uses the material app framework to build the front end of the page with the in-built validation (using some regex expressions). The user can create an account which will be used to log in. Firebase firestore was used to store the details entered. Firebase authentication was then used to validate the logins.

Search:

From the search page, the user can view available projects and add tasks(projects) to their profile. The user has the option to view more details where they can get all the specifics related to the project.

Resume:

The user can view all the projects the user has added to their account from the resume.

The user can also delete projects from their profile when they are done with them or do not want to continue.

Profile:

From the profile page, the user can view details of the current user signed in. The user can also view reviews left by users based on projects done.

Appendix



