

Group Project Description

Course Number: CSE 5324-002

Course Name: SFWR ENG I ANALYSIS, DESIGN, TESTING

Group Number: 7

Group Members:

Mane, Paridnya Sanjiv (1001863514)

Kalapala, Yogesh (1001879640)

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Patel, Parth Bhanuprasad (1001720900)

Abdulbari Syed (1001995871)

To-Do Planner App:

Every individual has some tasks to execute as we know how the daily routine tasks in professionals' life matter and the deadlines must be met accordingly as the individual progresses towards successive tasks of the goals to be achieved, the problem that we are trying to solve with this planner app is that of boosting productivity.

The planner app that we plan to implement is a basic and ordered approach to schedule tasks and organize tasks which will help users to complete the tasks in due time and will alert the user based on the deadlines and priorities assigned to the task by the user. Alerts are on a recurring basis until the task is dealt with. This would help the users to stay updated about the tasks that they are supposed to keep up with so that tasks would be finished within deadlines and there would be extra time left to spend with near and dear ones.

Functions of the software:

- User Login: Existing users can login to their account and new users can use email for registration.
- Create sections: Users can create sections for a group of tasks.
- Create and organize tasks: Users can schedule tasks, i.e., an assignment to be completed or a class meeting to be attended.
- Prioritize tasks: Users can assign priority to tasks according to the requirements.
- Simple user interface with ease of use: We intend to provide the users with a GUI which is straightforward and easy to use.
- Notification, Alert, and reminders to keep track of schedule: Users will be alerted with notifications before tasks are due.
- Dashboard: The users would get to view a summary of their recent activities.
- Filtering Tasks: The user will be able to filter tasks according to the priorities.

Resources to be utilized:

1. Database: to store the data of the user.
2. Wireless internet connection: wireless internet connection is required to download and use the application.

Team Members:

1. **Parshva Shah** - I have learned the basics about Android App Development and Java programming language during my under-graduation. I also have some prior experience in mobile engineering with iOS App Development with programming in Swift Language. I have also worked with IDEs like Android Studio and Xcode to develop mobile apps.
2. **Parth Patel** – I have created basic android applications during my undergraduates using android studio and, I have some intermediate level knowledge of the java programming language.
3. **Paridnya Mane** - I have participated in a few follow-along coding workshops to create Android apps using Android Studio back during my undergraduate studies. I have worked considerably with Java projects and have a fair syntactic understanding of the language.
4. **Yogesh Kalapala** - I have some basic knowledge about how Android Studio works, but I have never applied my skills to a finished project. I have built some clone apps using ReactNative in my free time. In my previous projects, I used Java and JavaScript.
5. **Abdulbari Syed** - I have developed select features for an iOS mobile application such as blood donor user login, blood bank coverage in the area and blood donation registration using XCode in Swift programming language. I also developed select features of web application to access crop resource information, price forecast and data analysis for productivity using Visual Studio Code and Python. Still learning basics and advances in Android studio and its documentation.