

Group Project Description

Course Number: CSE 5324-002

Course Name: SFWR ENG I ANALYSIS, DESIGN, TESTING

Group Number: 7

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To-Do Planner App:

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

7. The To-Do planner app is a basic and ordered approach to schedule
8. tasks and organizes tasks which will help users to complete the
9. tasks. Task has a section that describes the category of tasks.
10. Users can create tasks by going into the sections or individually.
11. Each new task has its own name and a small description.
12. The user can set due time to a task and the app will notify the
13. user based on the deadlines and priorities assigned to the task.
14. The due date and time can be added using date and time picker.
15. Sometimes a user completes a task before due time in that case
16. the user will be provided with the check box to mark the task as
17. completed. A user can set priority to each task which is shown
18. on the dashboard as Critical, high, medium, and low tasks.
19. Alerts are on a recurring basis until the task is dealt with.
20. they are supposed to keep up with so that tasks would be
21. finished within deadlines.

Functions of the software:

1. **Create tasks:** Users shall create a task with a title and a small
2. description of the task.
3. **Create sections:** The user shall create a section where the section
4. acts as a collection of related tasks.
5. **Schedule a task:** The user shall add the date and time by which a
6. the particular task has to be completed.
7. **Prioritize tasks:** Users shall categorize the priority of tasks as
8. Critical, high, medium, and low.
9. **Simple user interface with ease of use:** The user shall be able to
10. navigate between screens with minimum technicality.
11. **Notification, Alert, and reminders to keep track of schedule:**
12. Users will be alerted with notifications before tasks are due.
13. **Dashboard:** The users will be able to see the list view of tasks
14. according to the priorities. Additionally, the tasks which are due
15. on the present-day or within a week are displayed in grid view.
16. **Filtering Tasks:** The user will be able to filter tasks according to
17. the priorities.
18. **Delete Tasks:** Users can delete as Task.

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.