CS5001

FINAL PROJECT

Presentation by Danyang Feng

PROJECT DESCRIPTION

MyTodo is a mobile application designed to help users keep track of their tasks, prioritize them, and manage their time effectively.

The application includes several features like schedule display, user log in and register, and pomodoro timer.

FUNCTIONS

The application has a simple and user-friendly interface:

- **Todo List: add new tasks, set deadlines, and prioritize them based on the importance**

- **Pomodoro: a countdown timer to break down work into intervals, separated by short breaks**

FRAMEWORK

FRONTEND

- React Native & CSS: maintain user interface
- Xcode: simulator the app in iOS devices.

BACKEND

- Redux: manage application state in a centralized manner
- Firebase: store data in real-time, authenticate users

MAIN PAGES

TODAY
- today's schedule only
- display by time & priority
- add, complete & delete

POMODORO
- set focus and break intervals
- countdown
- alternate focus and break

ME
- set username & avatar
- log in & register with email and password

CHARACTERISTICS

✿ CLASSES - EVENTS, USERS

Events
- Attributes: title, category, priority, start, end, completeness
- Methods: add, delete, toggle completeness

Users
- Attributes: name, avatar, email, authentication
- Methods: setActiveUser, setUserLogOut, setUserAuth

CHARACTERISTICS

✿ **DATA STRUCTURE - LIST & DICTIONARY**

Events are stored in database in form of dictionary:

- Key: creating time
- Value: a list, including all the events features(title, category, start & end time, priority, completion)

REFERENCES

🔍 **REFERENCES 1**
Official documentation of React Native, Redux, and Firebase

🔍 **REFERENCES 2**
Online tutorials and articles: Stack Overflow, Youtube

CONCLUSION

In conclusion, this is just a simple app.

Many features to be developed and improved. This app has the potential to become more useful and user-friendly.

I will continue to enhance its capabilities and user experience and look forward to sharing these updates in the future.

THANK YOU

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