

1. 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, pomodoro timer.

The application has a simple and user-friendly interface that allows users to add new tasks, set deadlines, and prioritize them based on their importance. The application also provides a timer to help users follow the Pomodoro technique, which is a time management method that uses a timer to break down work into intervals, separated by short breaks.

The backend of the application is developed using Redux and Firebase. Redux is used to manage the state of the application in a centralized manner, while Firebase is used to store and sync data in real-time. Firebase's Realtime Database is used to store the operation data like events and time utilization, while its authentication is used to authenticate users with email and password, phone number, or third-party providers.

The application is built using React Native and CSS, which allows it to be easily scalable and maintainable. Xcode is used to build the application for iOS devices.

2. Reflection:

During the implementation of this project, I learned several things. First, I gained knowledge of how to use Redux to manage the state of an application in a centralized manner. I also learned how to use Firebase to store and sync data in real-time, which is very helpful for applications that require real-time data updates. Additionally, I learned how to use React Native and CSS to create a mobile application that is both scalable and maintainable.

If I could go back and start over knowing what I know now, I would probably spend more time on the design and user experience of the application. I would also consider adding more features like task delegation and notifications.

3. Acknowledgements/Citations:

I worked on this project independently, but I used several resources to learn and implement the technologies used in this project. I referred to the official documentation of React Native, Redux, and Firebase for guidance. Additionally, I used online tutorials and articles to learn about specific features and techniques used in the project.