Project Proposal: UpdateMe

Introduction:
UpdateMe is a mobile application that allows users to set up notifications for various types of information, such as weather, news, stocks, and more. The user can customize the types of notifications they receive, and the application will send a text message at a set time with the selected information. The application is designed to help users stay informed about important updates without having to constantly check their phone.

Scope:
The scope of this project is to develop a minimum viable product (MVP) for the UpdateMe application. The MVP will include the following features:
- User registration and login system
- Customizable notification settings
- Integration with third-party APIs for weather, news, and stocks
- Text message notifications sent at a set time
- Backend storage with MongoDB

Architecture:
The front-end of the application will be developed using React Native, which is a popular mobile application development framework. The backend will be developed using Python FastAPI(), which is a modern web framework for building APIs. MongoDB will be used for backend storage purposes.

Third-Party APIs:
We will be using a variety of third-party APIs to get the relevant data for the notifications. The APIs we plan to use are OpenWeatherMap for weather updates, News API for news updates, and Alpha Vantage for stock updates.

Timeline:
The project timeline will be broken down into the following phases:

Phase 1: Planning and design
Phase 2: Front-end development
Phase 3: Back-end development and API integration
Phase 4: Testing and deployment

Conclusion:
UpdateMe is a mobile application that will help users stay informed about important updates without having to constantly check their phone. The application will be developed using React Native for the front-end, Python FastAPI() for the back-end, and MongoDB for storage purposes. We will be using a variety of third-party APIs to get the relevant data for the notifications. The project will be developed in four phases, and the final product will be an MVP

that includes user registration and login, customizable notifications, and text message notifications sent at a set time.