Cognisent

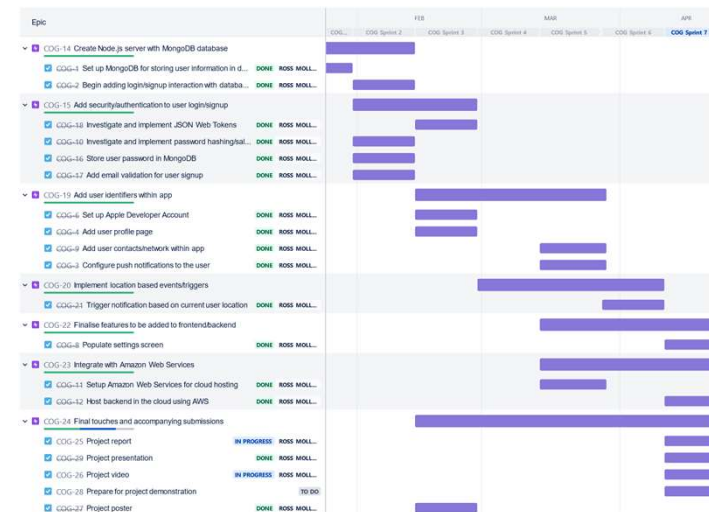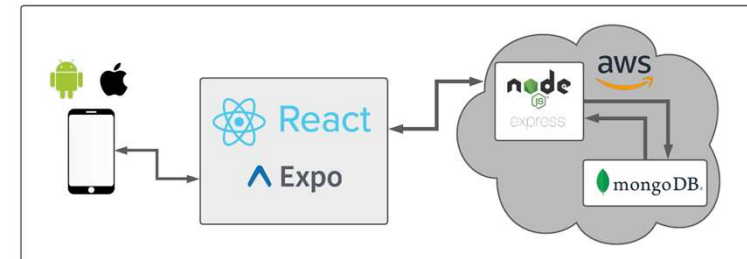A PERSONAL SAFETY MOBILE APPLICATION

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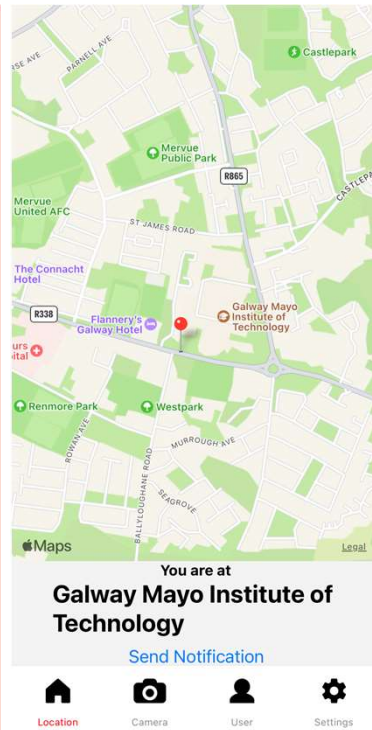
Supervisor: Brian O'Shea

What is Cognisent?

▶ Cognisent is a personal safety and emergency response mobile application.

▶ It is a cross-platform application for use with both iOS and Android devices.

▶ Cognisent has features such as real-time location tracking, emergency location-based push notifications, user-configured safe areas, user accounts connected with friends and family, as well as video and audio recording.

▶ This project idea was chosen to learn more in the area of mobile and full stack development, with the goal of producing an application that could provide a positive, real-world effect in the area of individual safety.

Approach

▶ Cognisent was developed primarily with React Native, React Navigation, and Expo in the front-end.

▶ The back-end is written in Node.js and hosted on an Amazon EC2 t2.micro instance.

▶ MongoDB is used for storage of user information.

▶ Jira was used as a project management tool for creating and tracking tasks.

Results

▶ Gained a much better understanding of the mobile development process.

▶ Completed a large project with further scope for development.

▶ Gained full stack development experience having to build a mobile application from scratch.

▶ Learned a lot about and got extensive experience with project management and planning.