

BACKGROUND/ABSTRACT

Sosad Ireland offers free support and services to people dealing with suicidal ideation, self-harming, bereavement, depression, stress, and anxiety. I am creating this application as part of my final-year project. This application will help users find the location of the different offices and give information about the services Sosad offers. Users will be able to get the assistance they require simply by using the application, they will be able to use it from anywhere in the world if they have internet access.

AIMS AND OBJECTIVES

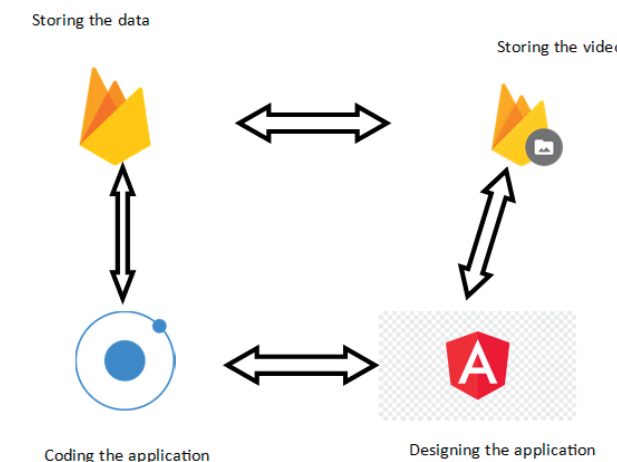
- View the location of the offices.
- Apply to be a staff member
- Listen to real talk videos
- Create, edit, and delete events
- Provide a chat service.
- View staff roster.
- Upload and display videos.

TECHNOLOGIES USED

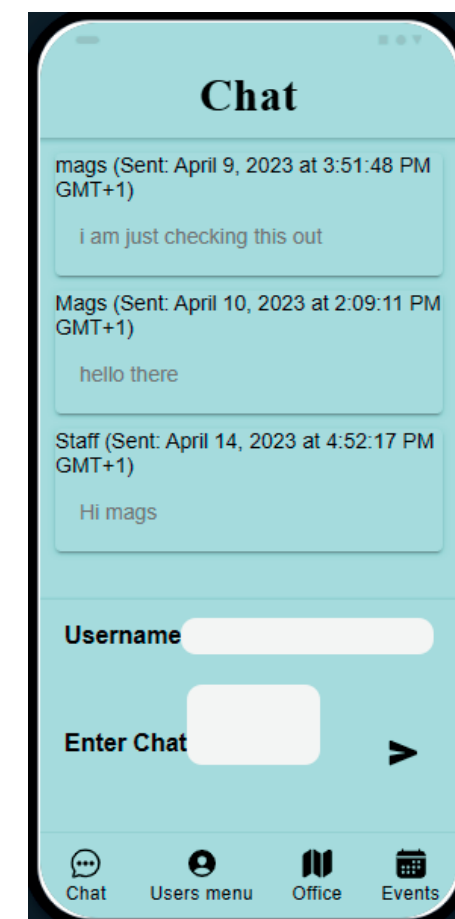
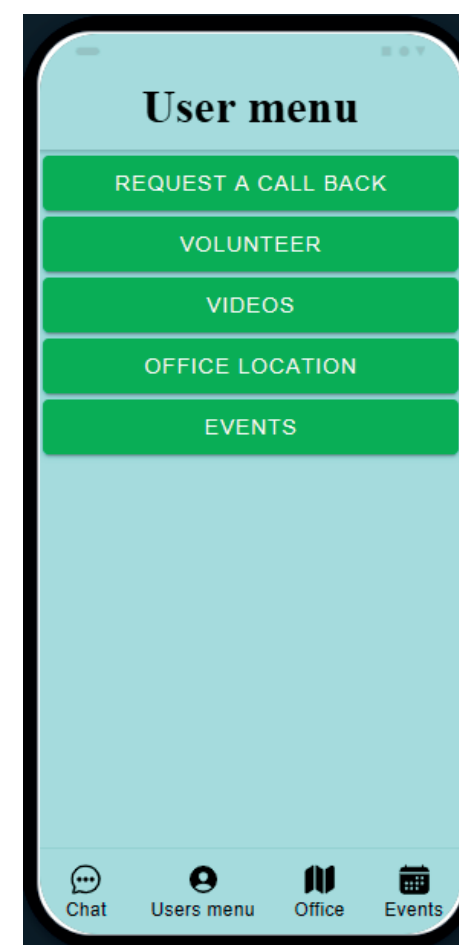
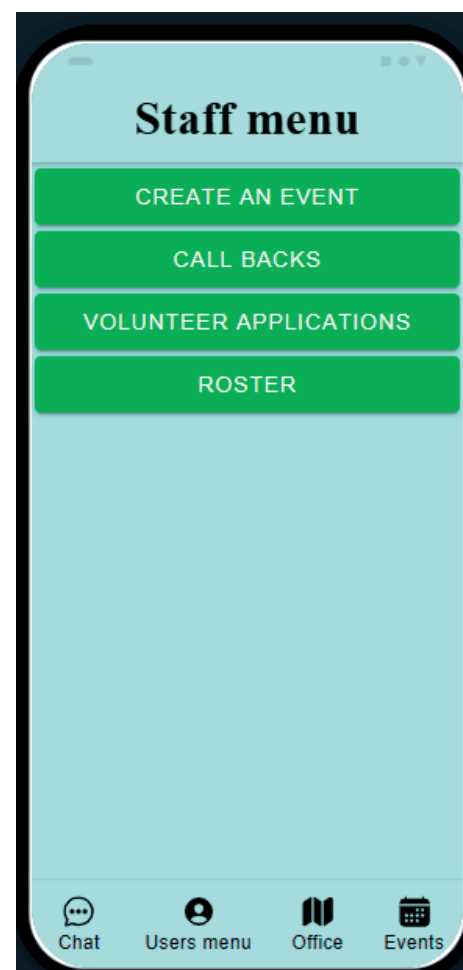
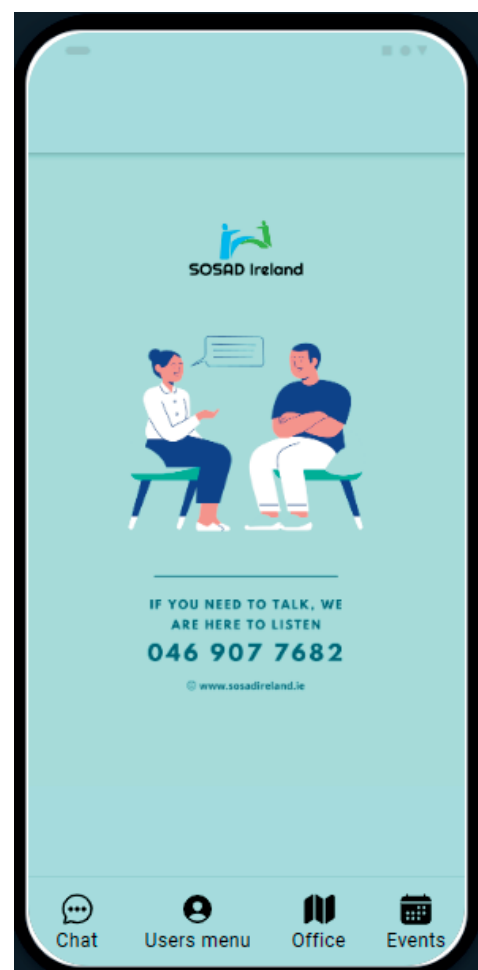


METHODOLGY

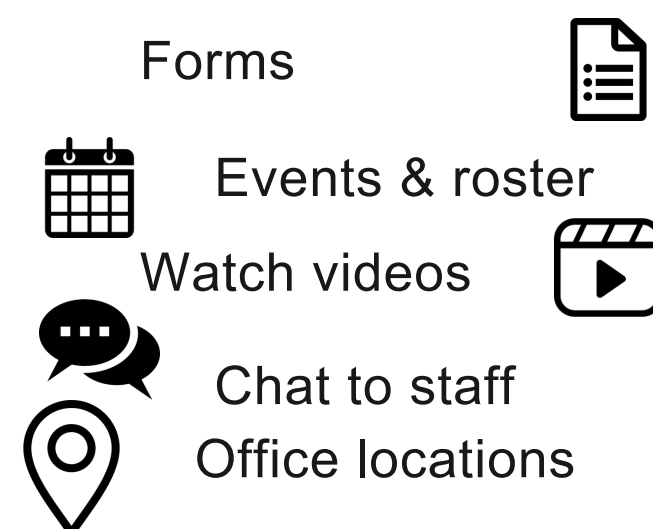
I developed a cross-platform volunteer application using the agile methodology with one-week iterations. To ensure that the most appropriate technologies were used, a literature review was carried out before development. The application was built using Ionic Angular, Firebase, and Firebase Cloud Storage, and Google Maps was integrated using Gherkin for testing. The app also utilizes capacitor for chat and google maps functionality and web sockets and the real-time database was used for the chat. This approach allows for the creation of a responsive, and user-friendly Volunteer application that can be used by individuals and the organization.



RESULTS



APP FEATURES



FURTHER INFORMATION

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CONCLUSION/DISCUSSION

Creating a volunteer application using Ionic, Angular, Firebase, Firebase Cloud Storage, Google Maps, Capacitor, and web sockets provides an efficient method for users to access mental health resources and support on various platforms. Cross-platform development enables a broader range of users, including those on iOS and Android devices, to access the application. The use of Firebase and Firebase Cloud Storage and real-time database assures users that their data is securely stored in the cloud and in the database.

FUTURE WORK

- Implement a notice board
- Generate statistics
- Provide a mood tracker
- Provide motivational quotes

