

Cyberland

Team K:
William Garcia, Evan Liu, Kaival Patel, Mariana Perez





Cyberland | Functional Overview

Increase student awareness about cyberbullying

Teach students' prevention skills to cope with cyberbullying perpetration behaviors

Give students resources for combating cyberbullying

Make content engaging through gamification

Users: high school / university students

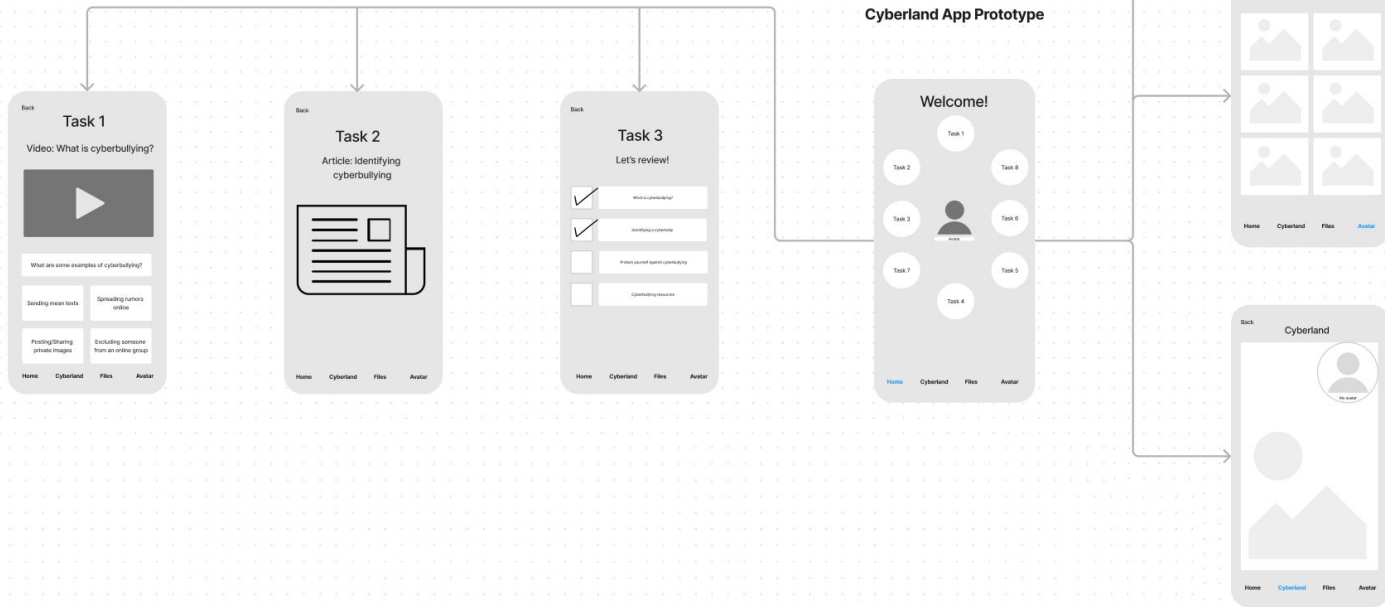
Problem: 59% of U.S. teens have been bullied or harassed online

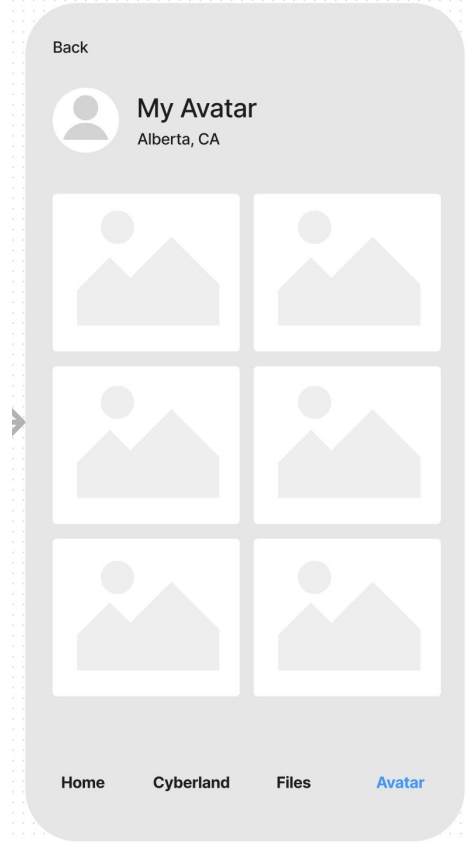
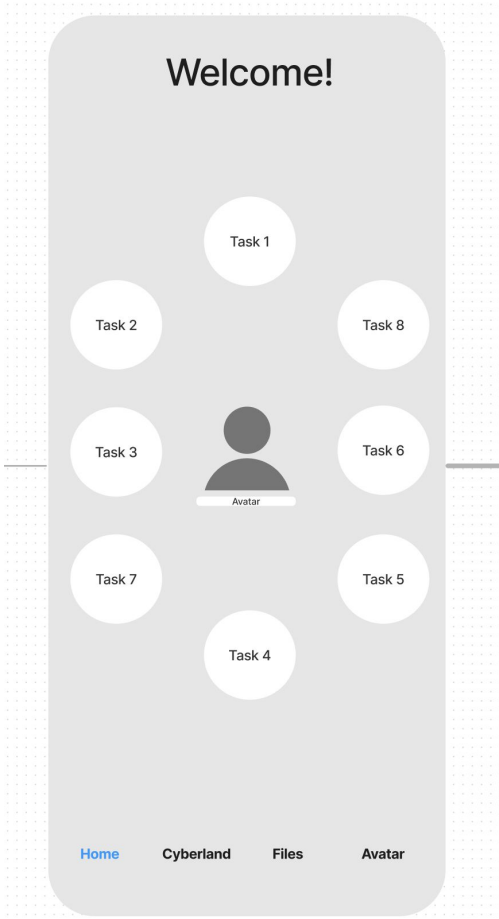
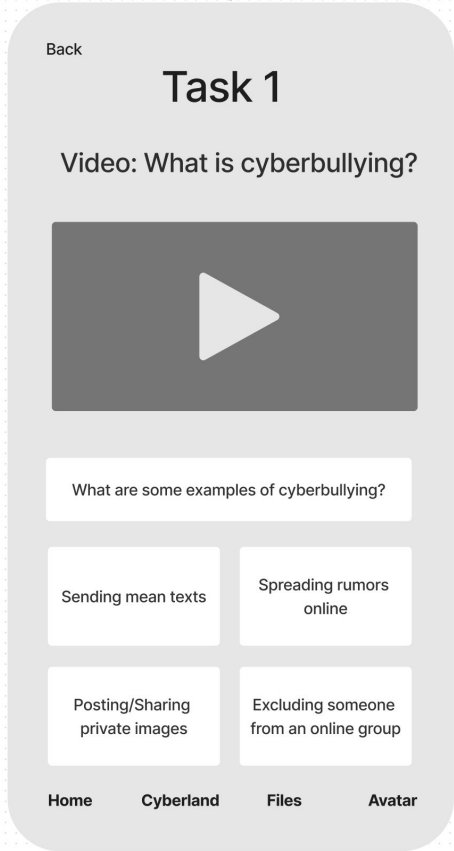
Services & Function: teach students how to identify cyberbullying behavior and prevent themselves from experiencing cyberbullying

Client: PhD in the Department of Human Development & Family Sciences



User Interface Mockup







Technical Overview

User

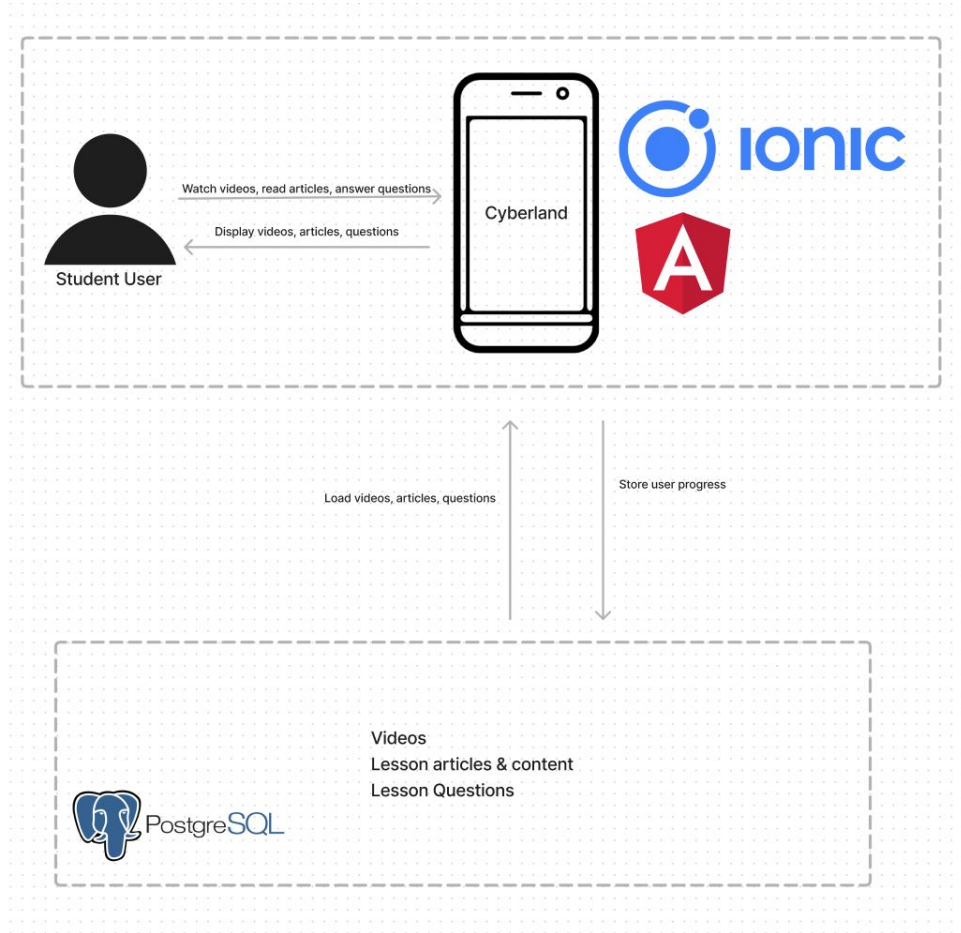
- Navigates through app, watching videos, playing games, and learning about cyberbullying

Frontend

- Displays videos, articles, questions

Backend

- Stores user progress, avatar preferences, and city customizations
- Loads videos, articles, questions

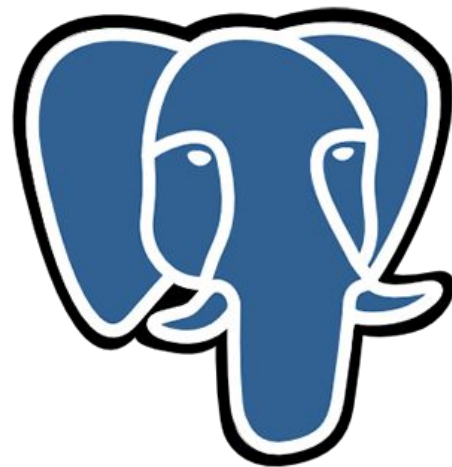




Why PostgreSQL

Open-source database known for flexibility, reliability, and scalability

Lets us store various types of data, such as user profiles, preferences, application settings, and other structured information.



PostgreSQL



Why Ionic

Deliver consistent experiences across all platforms, with a single codebase and customizable design system

Allows us to develop with Angular, which the team has prior experience with

Used by big companies like General Electric, BBC, T Mobile, AAA and others



Powering mission-critical apps for the world's best companies





Platform Design

Framework: Angular ← From Ionic

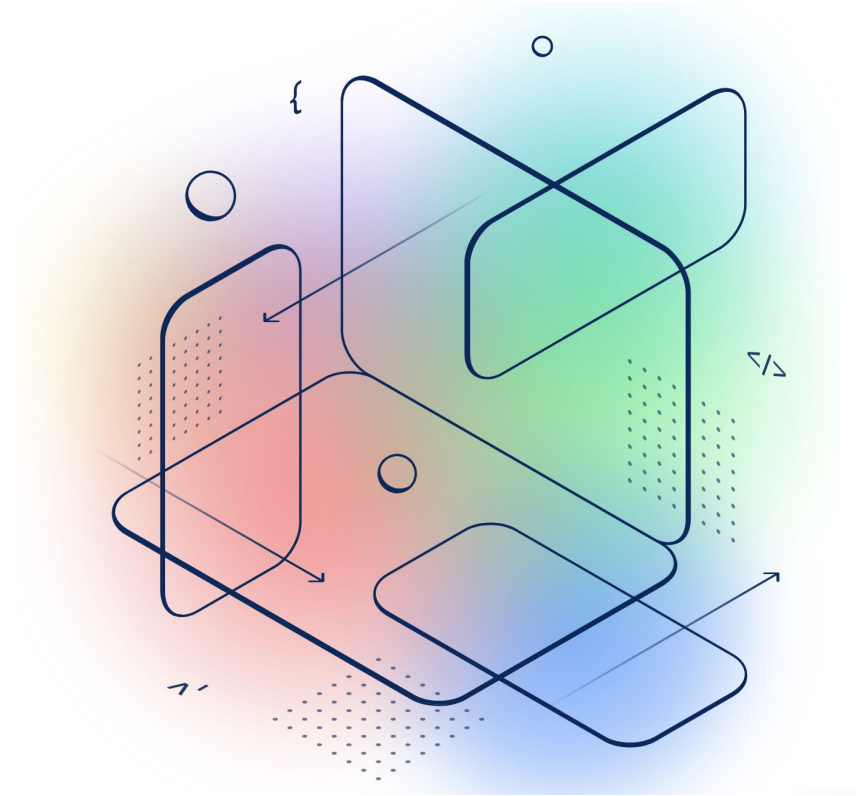
Languages: TypeScript & Python

IDE: VSCode

Libraries: TBD

Hardware: Mobile Devices

Operating system: cross-platform iOS & Android



Conclusion

With this, we have set the groundwork for continuing development in the second half of the semester and delivering a finished product that makes learning engaging and effective.

Cyberland is not a simple app to create but we have the resources in place to tackle this challenge head on.

