



Ex-scavenge-anza!

Scavenger Hunts Made Easy!

CSC 490 Final Presentation

DAMP Coin Flippers

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What is Ex-scavenge-anza?

Ex-scavenge-anza is a mobile application that allows users to create, manage and join a scavenger hunt.

- Problem:
 - Creating/managing a real life scavenger hunt can be difficult and time consuming.
 - Not knowing the area well could make a user become easily lost.
- Solutions
 - Digitize scavenger hunt creation process
 - Easy access to participation in organized scavenger hunts
 - Ability to interact with map in real time

Subsystems

- Graphical User Interface - Priyanka Chhetri
- Mapping & Geolocation - Ariana Song
- Database - Mabelyn Espinoza / Dane Hansen
- Integration - Dane Hansen / Mabelyn Espinoza

Technologies

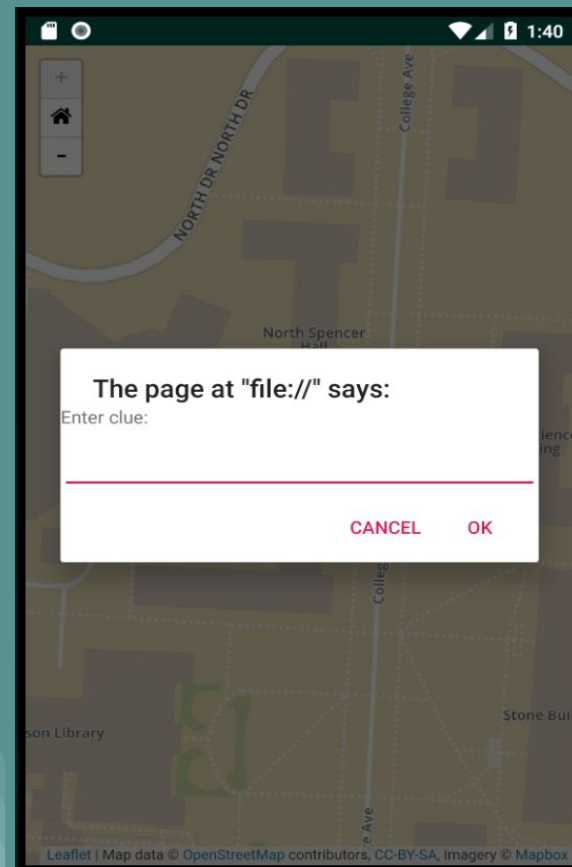
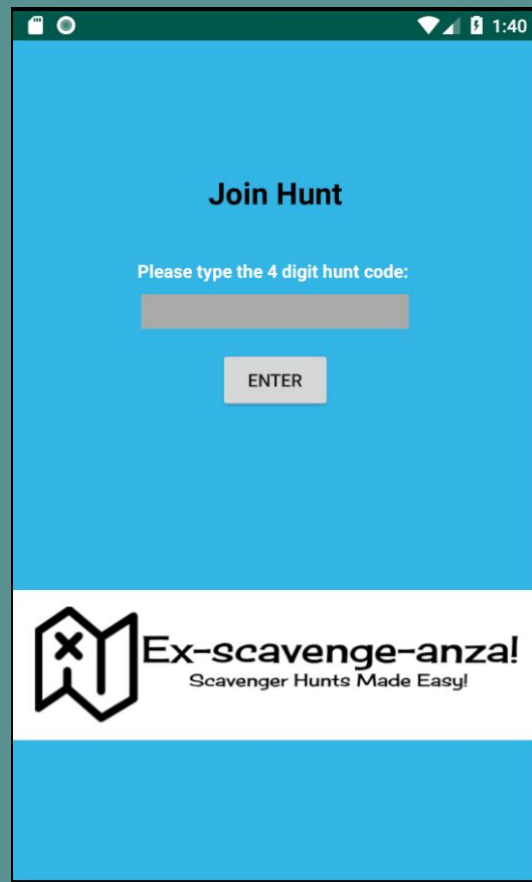
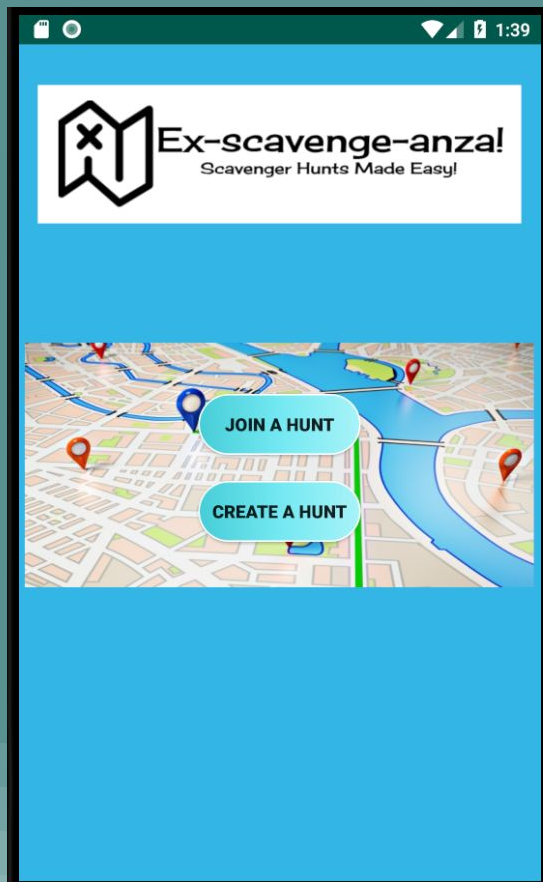
- Android Studio
- Leaflet
- Firebase Realtime Database

GUI

Priyanka Chhetri

Android Studio

- Java
- Documentation
- Familiarity with Android Studio
- Compatibility with Leaflet and Firebase



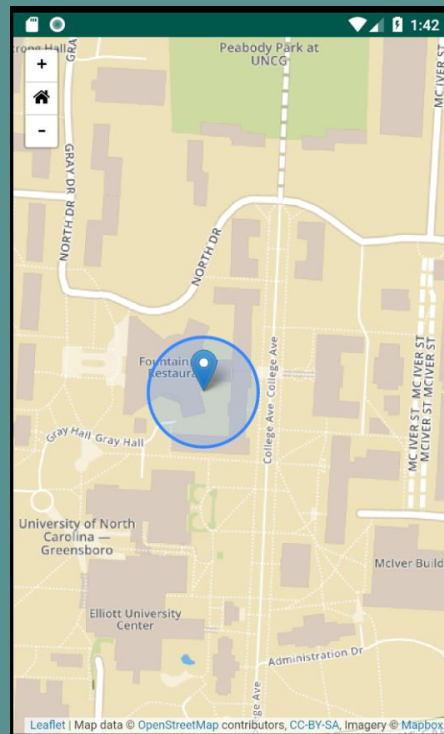
Mapping & Geolocation

Ariana Song



Leaflet

- Open source JS library for building mapping applications.
- Adaptable and accessible
- Clear documentation
- Uses Open Street Maps
- Community plugins



Database

Mabelyn Espinoza / Dane Hansen

Firestore Realtime Database

- Cloud hosted database
- Data stored as JSON and synched in real time to connected clients
- Compatible with Android Studio
- Remains responsive with application when offline

Integration

Dane Hansen / Mabelyn Espinoza



Demo

Questions?

break;

