helloCampus

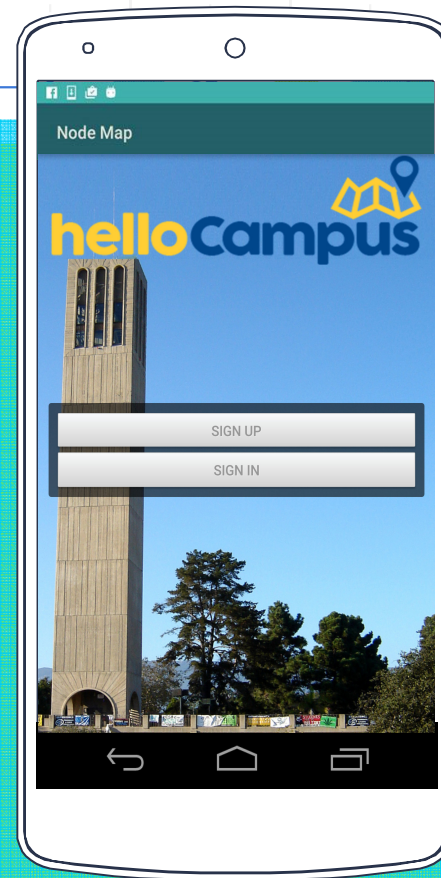**A digital geo-exploration platform for your campus.**

Mason Levy | Jeremeiah Shultz | Sasha Shams

What does helloCampus do?

Rediscover your campus by interacting with ordinary objects that have preestablished unique identifiers.
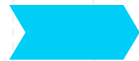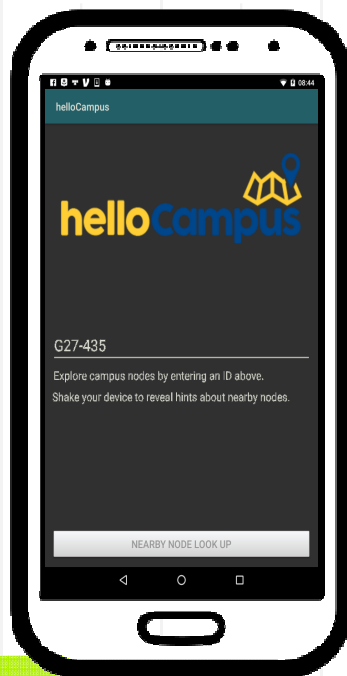
What does that mean?

- You can share memories by digitally pasting them on objects around campus.

- You can explore and uncover hidden stories left behind on objects from students throughout the community.
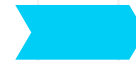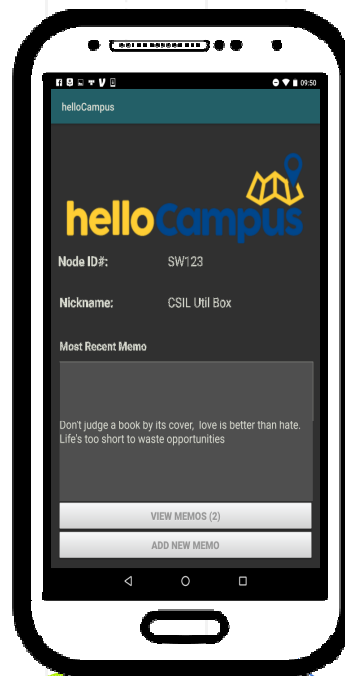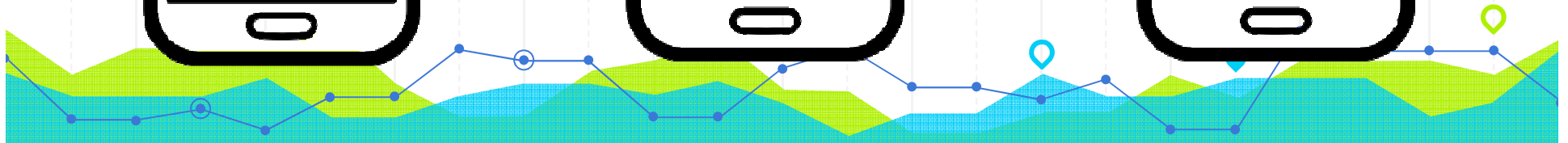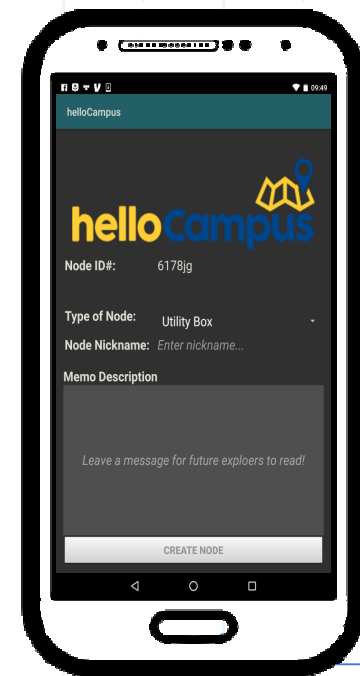
HOW DOES IT WORK?

Think an object contains a memo? Search by its unique ID!

If the Node ID exists, Leave a message and for future explorers!

Node not found? Become a founder by leaving the first message for future explorers to find!

helloCampus

helloCampus

G27-435

Explore campus nodes by entering an ID above.
Shake your device to reveal hints about nearby nodes.

NEARBY NODE LOOK UP

helloCampus

Node ID#: SW123

Nickname: CSIL Util Box

Most Recent Memo

Don't judge a book by its cover, love is better than hate.
Life's too short to waste opportunities

VIEW MEMOS (2)

ADD NEW MEMO

helloCampus

Node ID#: 6178jg

Type of Node: Utility Box

Node Nickname: *Enter nickname...*

Memo Description

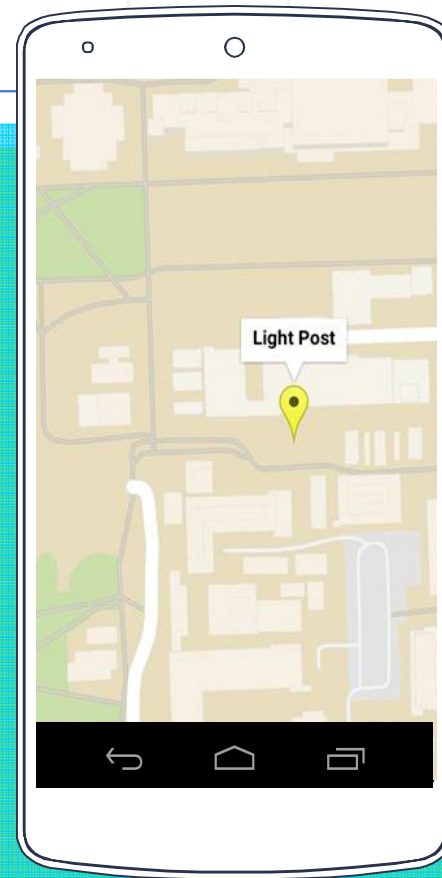*Leave a message for future explorers to read!*

CREATE NODE

Features

Location verification.

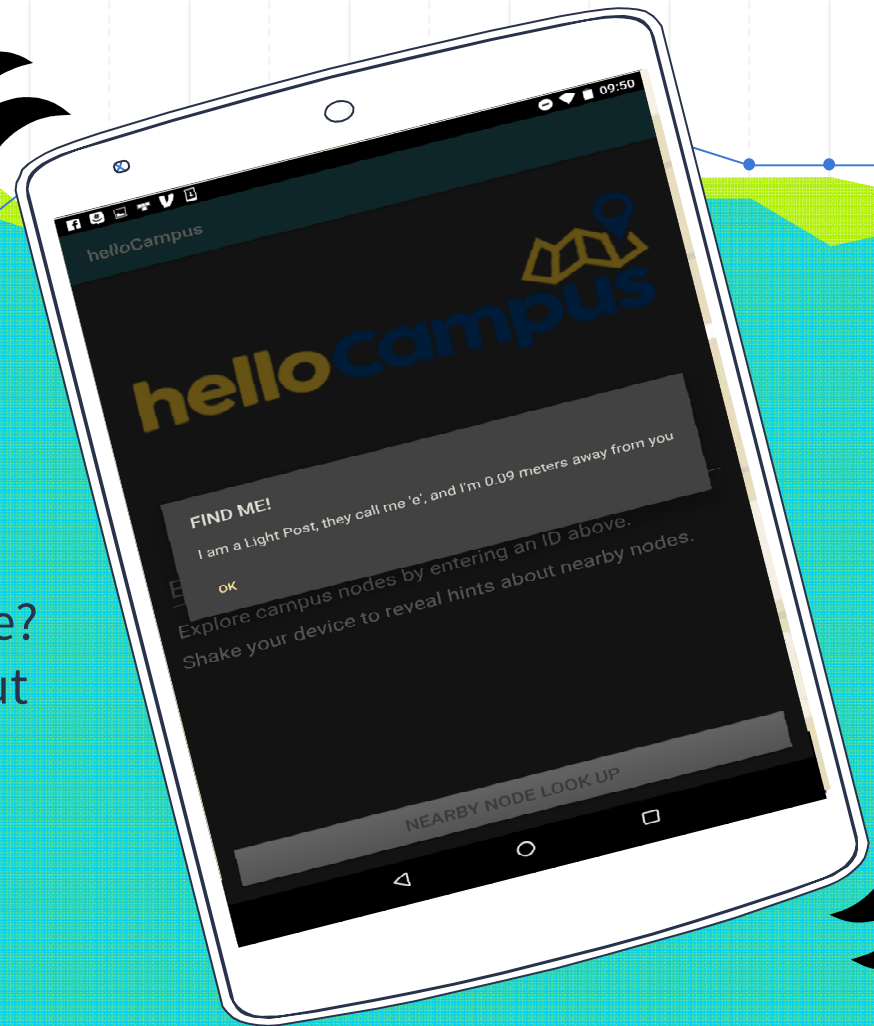When searching for a node by ID, the user's location is verified to match the location of known nodes.

Therefore, helloCampus does not return random node's with same ID.

Light Post

Features

Shake to explore!

On campus? Feeling inclined to explore?
Shake the phone to receive a hint about
the nearest node type and distance.

helloCampus

FIND ME!

I am a Light Post, they call me 'e', and I'm 0.09 meters away from you

OK

Explore campus nodes by entering an ID above.
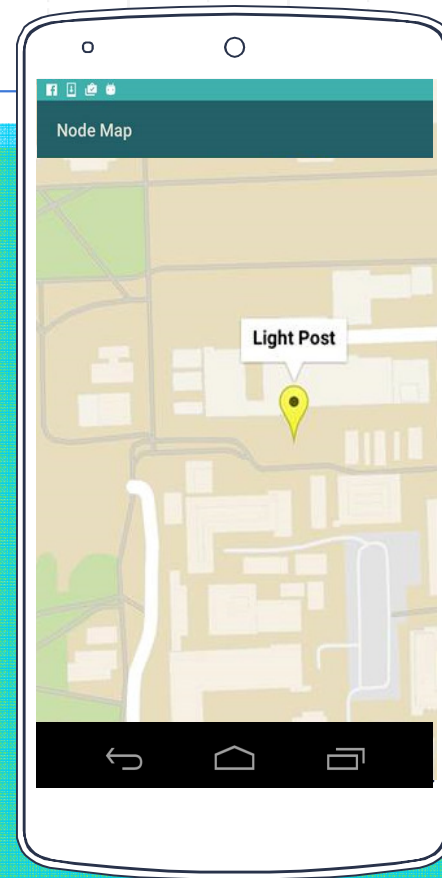Shake your device to reveal hints about nearby nodes.
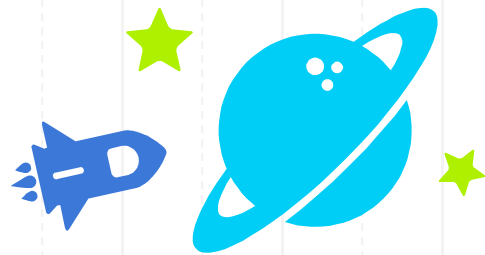
NEARBY NODE LOOK UP

Features

Explore by map.

Feeling lazy? Search for all nodes on your campus. Markers are color coded by object type.
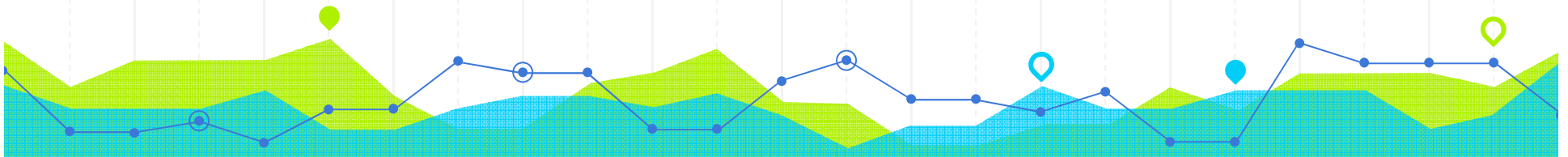Tap a marker on the map to pull up a hint of its type!

Node Map

Light Post

DEMO

Please allow us a moment to pull up a demo using Vysor

Development

APIs

- Firebase – Realtime database used for storing and fetching user data.
- Google Maps – Location services to determine user position
- GeoFire – Library that allows real time synchronization of user location data.

Other Device Aspects

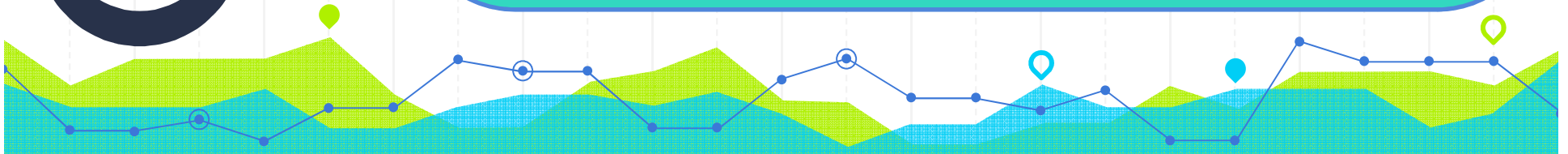- WiFi/Cellular Connection
- Accelerometer

Our Goals

Final Demonstration

- **Worst-Case Functionality**
  - ○ Users can post messages based on their location
  - ○ Read and view messages according to specific location on campus
- **Best-Case Functionality**
  - ○ Users can post stories based on unique identifiers and an associated geographical location
  - ○ Add new objects to the database to be queried by future users if they do not already exist
  - ○ Objects can interact with users - ask pre-programmed questions to stimulate responses
    - ■ Customizable "founder" text for objects that users have founded or wish to personalize
  - ○ Shake the app to reveal a previously tagged object/story based on your current location
    - ■ Randomly generated based on location and approximate distance

THANKS!

Any questions?