SlugPings

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The Goon Squad

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SlugPings: Description

An interactive, live map that allows users to place markers and auto generate a posting for their events, supplemented with a public or private chat.

SlugPings: Sprint 1 - Map with markers and controls

As a user, I want the map to be zoomable so that I can see the location clearly.

As a user, I want the map to place markers so that I can clearly see where I marked for people.

As a user, I want the markers to have different colors so that it can be differentiable from the other markers.

SlugPings: Sprint 2 - Login system for group-specific usage

As a group leader, I want the system to be private so that I can share information with family members.

As a user, I want there to be a public map so that I don’t have to login and show my friend something quick and also invite strangers for a pick-me-up game at the courts.

As a user, I want the system to have a modern, easy-to-use interface so that I can feel confident in sharing the site with friends.

SlugPings: Sprint 3 - Postings of the events

As a user, I want a listings of all the markers and its related content so that I can see the technical information all in one place

As a user, I want the listings to expand and have more official information so that I can learn more about the event that is occuring.

As a user, I want the listing to have a quick reply to the event so that I can communicate with the poster

As a poster, I want the communication to be a quick private message so that sensitive information is not shared with the public.

SlugPings: Sprint 4 - Chat

As a user, I want there to be a chat to communicate with the public members.

As a group leader, I want there to be a group specific chat so that the public cannot invade my group’s privacy.

As a user, I want the chat log to be persistent so that I can come back and review the logs incase I forget something.

As a new user, I want to see the frequency data of the map so that I can have a better idea of the popularity of each event (at each marker)

React

Redux

Bootstrap

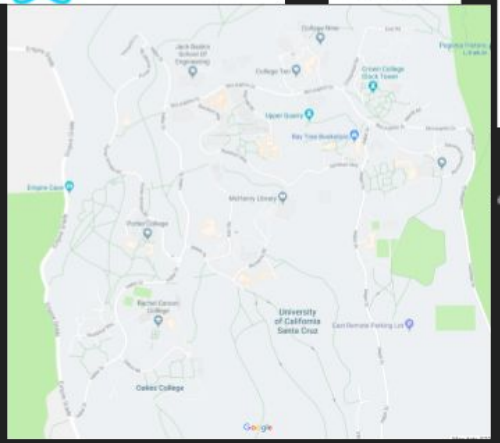
Leaflet

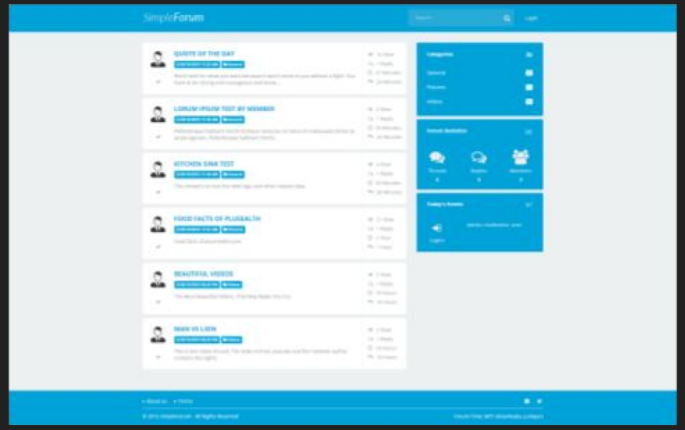
heroku

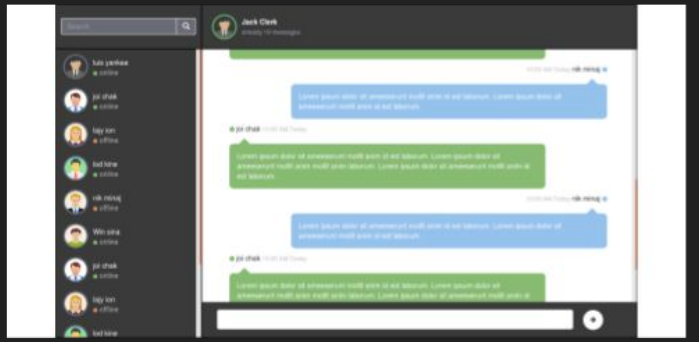
node JS

Express JS

redis







SlugPings: Challenges/Risks

Challenge/Risk 1 Persisting data on the server side

Challenge/Risk 2 Server hosting -- free hosting have limitations (eg. x hrs/day)

Challenge/Risk 3 New technology - React/Redux combination may be tough

Challenge/Risk 4 User interaction is non-hostile

Challenge/Risk 5 User account security with a database

Challenge/Risk 6 Unequal knowledge on html/css/js/etc.

Challenge/Risk 7 Incorporating creative features with leaflet/google map api

SlugPings: Technologies

Programming Languages: HTML5, CSS, Javascript

Bootstrap for styling

Node.js for heroku backend

Heroku for server hosting

Leafletjs for openstreetmap api

React for front-end framework

Redux (with React) for state management

Redis for temporary, in-memory data persistence

Express.js for web application framework for Node.js