

Slug Hub

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Slug Hub

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Team member names

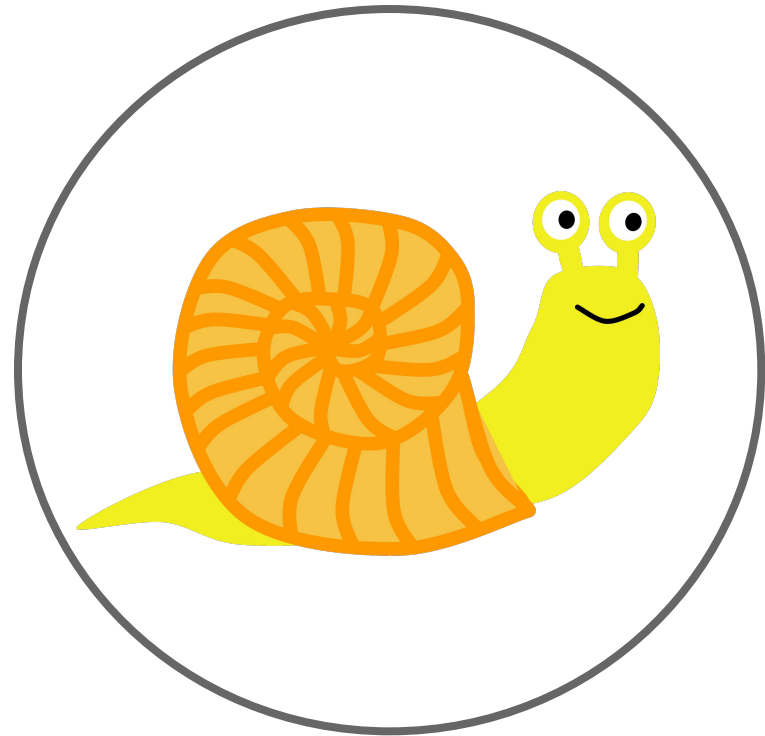
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Slug Hub

PROBLEM

- From the tools available to them, students find information and resources available to them to be either obscure or annoying to navigate around

SOLUTION

- Build a mobile app that acts as a hub for student affairs and raises awareness of resources that UC Santa Cruz provides. From giving instant access to myUCSC and Canvas, to providing forms to sign up for LSS, to providing info on which labs are looking for research assistants, this app will make UCSC resources much more accessible to students

Sprint 1

[Sprint 1

User Story: As a student, I want an app with a clear homepage and easy to access subpages, so I can access the information I need easily.

- Task 1: Create a homepage with buttons about resource types we want to cover.
- Task 2: Make sure at least one of the buttons will take the user to a subpage (Advising).

– Spikes

- Learn React and web scraping techniques
- store login information in database (privacy issue)

– Infrastructure tasks

- Set up Github repository
- Set up React native environment, everyone download Expo

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Sprint 2

[Sprint 2

User Story: As a student, I want a button from the home page that brings me to an area where I can get engaged with my academics, so that I can succeed in my classes

- Create Study groups (*)
- LSS/MSI/small group tutoring
- Booking rooms in library (Mchenry & SNE)
- Academic calendar w/ deadlines (notifications)

– Spikes

- Setting up study group form (reuse GrepThink)

– Infrastructure tasks

- Build a new path for the application
- Integrating logic for website navigation from app to browser and vice versa

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Sprint 3

[Sprint 3

User Story 1: As a student, I want a button to know about on-campus resources like dining hall opening, library hours, and equipment rental

User Story 2: As a student, I want to be able to access career information via the homepage like Handshake and job fair information, so I can prepare my career

– Spikes

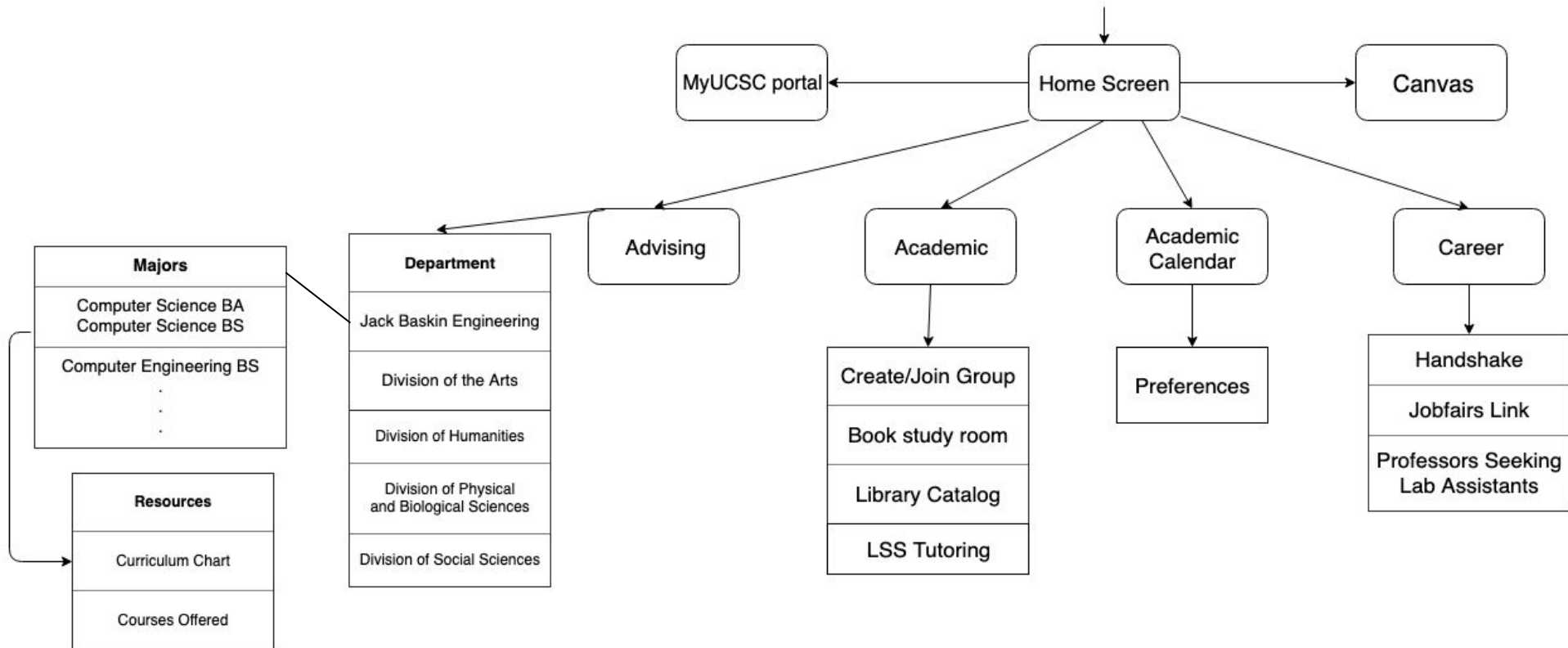
- Researching how to know when workshops/job fairs are available (inside info)
- Figure out a way to access information on research opportunities

– Infrastructure tasks

- open Handshake website

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Architecture



Challenges/Risks

- [Challenge 1] Getting familiar with coding in react native
- [Challenge 2] Creating the overall structure of our hub
- [Challenge 3] Pulling data from existing websites
- [Challenge 4] Getting information from job fairs and handshakes

Technologies

- [Technology 1] React Native
- [Technology 2] Javascript
- [Technology 3] Webscraping
- [Technology 4] Google Calendar API
- [Technology 5] Grephthink

Minimum Viable Product

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1. Functional home page
 - a. Links to portal and Canvas
 - b. Links to Career, Advising and Academic sections
2. Advising Section
 - a. Links to departments, majors, and resources
3. Academic Section
 - a. Links to study rooms, library catalog, LSS tutoring, and Grepthink
4. Career Section
 - a. Links to Handshake, Jobfairs, and Research Opportunities with Professors

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