

12/7/22 - Climbing Meetup App

1. What tech stack will you use for your final project?

- Node and React

2. Is the frontend UI or backend going to be the focus of the project? Or will this be an evenly focused Full-stack application?

- I would like to split the work between the front and backend evenly.
- Frontend:
 - Use react router to create single-page app
 - Allow for searching/filtering of climbing partners
- Backend
 - Receive email alerts when new climbing meetups occur or when someone responds to your request

3. Will this be a website? A mobile app? Something else?

- I was planning on a website, but the primary use would be on the phone. It would be especially useful if the user's climbing status was automatically updated depending on their location. Whenever they're at the gym, it should show that they're climbing.
- In order to reach more users, however, a mobile web app is preferred (compatible in both safari and chrome)

4. What goal will your project be designed to achieve?

Problem:

- Climbers encounter the following difficulties when trying to meetup:
- It is difficult to find a climbing partner in the following cases:
 - Individuals with busy, dynamic schedules
 - A group of climbers trying to find a common meeting time
 - A climber new to an area
 - A climber with a certain skill level
 - Climbers may want a certain belay or climbing capability
 - A need for a partner with a compatible skill level same skill level
 - Climbers new the sport of climbing may want to climb with other new climbers
 - Veteran climbers may want to seek out other experienced climbers
 - A climber with a special climbing arrangement like with children
 - A climber looking for a specific climbing type
 - Types of climbing desired could include trad and sport climbing, as well as bouldering

5. What kind of users will visit your app? What is the demographic of your users?

- Climbers looking for a climbing partner with the following considerations:
 - Groups of regular climbers
 - Parents with unpredictable schedules looking to meet other parents so their children can play
 - Busy individuals looking for on-demand, spontaneous meetups
 - New climbers
 - Climbers that travel

6. What data do you plan on using ? How are you planning on collecting your data? Outline what kind of data you would like it to contain.

- Primary data will be provided by the climbers which includes:
 - User climbing schedules
 - User group chat messages
 - User private messages
 - Climbers open to meetup
 - Climbers looking for partners

- Climbers currently climbing
- Users can create their own private groups
- An on-demand climbing status (stretch goal)
- Profile data to help match climbers
 - Children, dogs, climbing skill level, belay skill level
 - Users can receive email alerts based on preferences
 - Someone is available to climb in a certain area
 - Someone sends them a climb request
- Data about climbing gyms and locations will be created

7. Outline your approach to creating your project.

a) What does your database schema look like?

- Users
 - Username
 - Password
 - Belay level
 - Skill level
 - Age
 - Gender
 - Children
- Meetups
 - Date
 - Time
 - Location
 - Climbing status (Waiting for event, currently climbing,
 - Text
 - Request Status (Awaiting response, pending request approval, Approved)
 - People who joined the climb
- Messages
 - From username
 - To username
 - Text

b) What kinds of issues might you run into with your api?

- Difficulty in updating current climbing status. Users will have to manually update the “climbing now” feature
- Climbers not maintaining climbing schedule or answering responses
- Email notifications going to the junk folder
- Email notification could stop if daily limit exceeded

c) Is there any sensitive information to secure?

- Passwords and private messages

d) What functionality will your app include?

- Quickly identify when your friends within your group are climbing in real time
- Create open group events
- Identify whos climbing
 - Can request update to confirm the climbers schedule
 - Could send reminder update 1X per week
 - Could confirm day of if the climber is still climbing
 - Users can send messages to requests; app can verify if the person was actually climbing
 - A response rate can demote/promote users like airbnb
 - Can also track timestamps of the user log in

- View current meetups

e). What will the user flow look like?

- See picture below

f) What features make your site more than a CRUD app? What are your stretch goals?

- Features that are more than CRUD:
 - Users can filter based on climbing preferences
 - Users can see who's currently climbing
 - Users can make/accept climbing requests
 - Users can collaborate with a group of friends
- Stretch goals:
 - Implement geolocation to update climbing now status
 - Sync a google calendar
 - Private groups

