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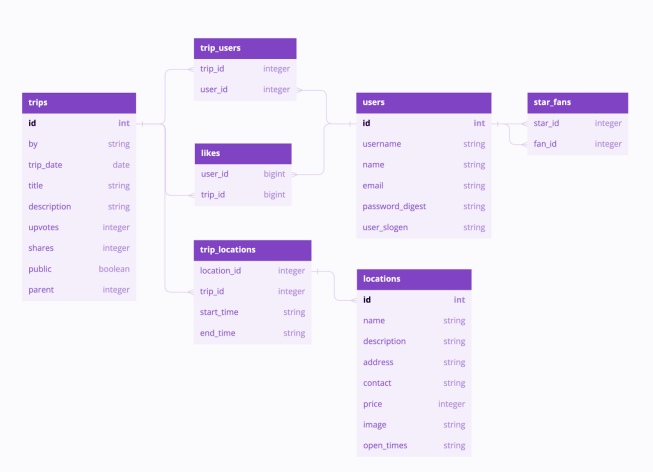
Our product is a platform that provides an easy and convenient way for people to make travel plans with friends, and see the plans of other people to make visiting new places even more fun. Anyone can use our product to search for places and events near them to build their own trip plan, and get inspiration from other users' trips to see how they structure their day. Our app also allows people to collaborate with other users to plan trips. This would be useful for groups of friends planning trips.

The main functionality of our app is allowing users to easily view multiple trips. Our main page displays multiple trips at the same time. For each trip, the page displays pictures of locations from the trip, the date of the trip, and the number of likes of a trip. For easy viewing, the images from locations of the trip are displayed in a carousel. If the user wants a more refined view of the trips, a filter allows users to search trips by name or filter the trips based on the number of likes or the date of the trip. To allow for this, all users can create new trips and locations. Another big part of the functionality of our app is the ability to merge trips with other users. Users can invite others to trips they are working on, and this allows users to collaborate and plan together. Users can also follow other users to stay updated on their trips and also view trips that that user has marked as private.

For the schema of the project, our main tables are locations, users, and trips. Between these tables, we have multiple bridging tables. Between users and trips, we have two many-to-many relations: trip_users and likes. The trip_users table allows users to participate in multiple trips while also allowing trips to be collaborations between multiple users. The likes table allows users to like multiple trips and lets trips be liked by multiple users. We also have a many-to-many relation between trips and locations with the trip_locations table. We want trips to have multiple locations so that we can see a user’s whole experience, and we also want

locations to be reused in different trips. Finally, we have a many-to-many relationship with users labeled star_fan. This relation enables the implementation of a following system, where users can follow other users and stay up to date with their trips, and also allows users to view the private trips of users that they follow.

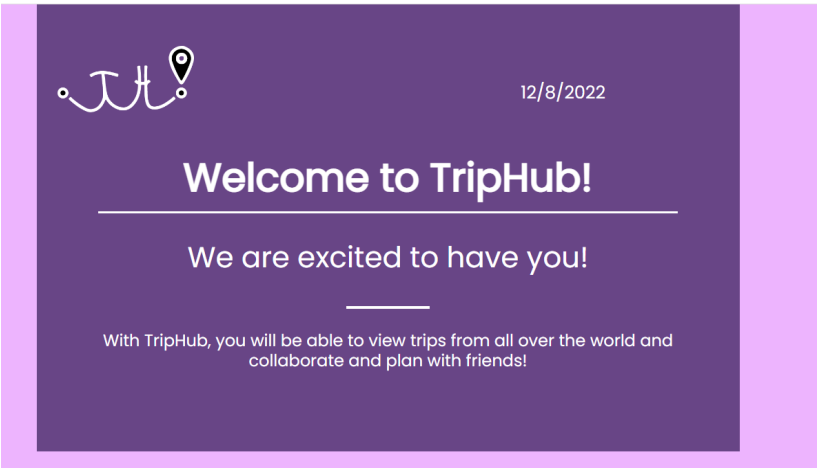


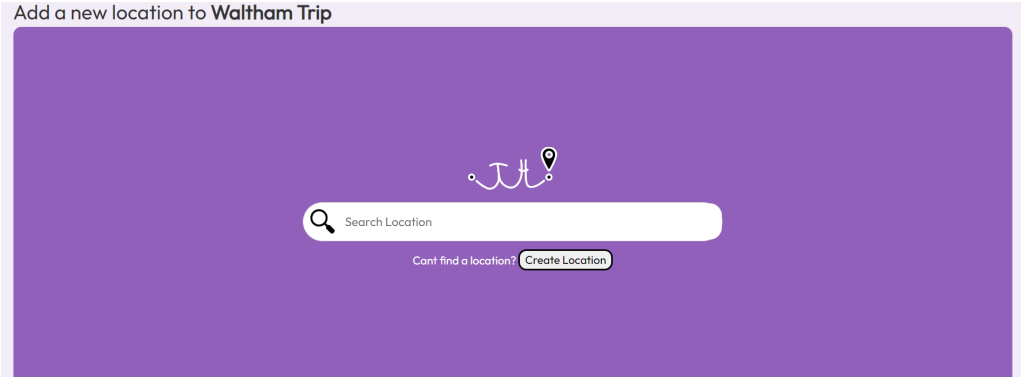
We used multiple technologies to build our app. We used technologies such as Amazon Active Image Storage, advanced javascript, and ajax to implement a lot of the functionality of our app. In addition, we used technology such as pagination, image carousels, single page applications, and ActiveMailer to enhance the user experience. Along with these extra technologies, we faced challenges implementing some of our features with creative and interesting methods. Merging trips requires complex javascript to implement, the branching tree display of the trips requires a recursive HTML implementation, and start and end time of trips is used to dynamically create schedules for trips.

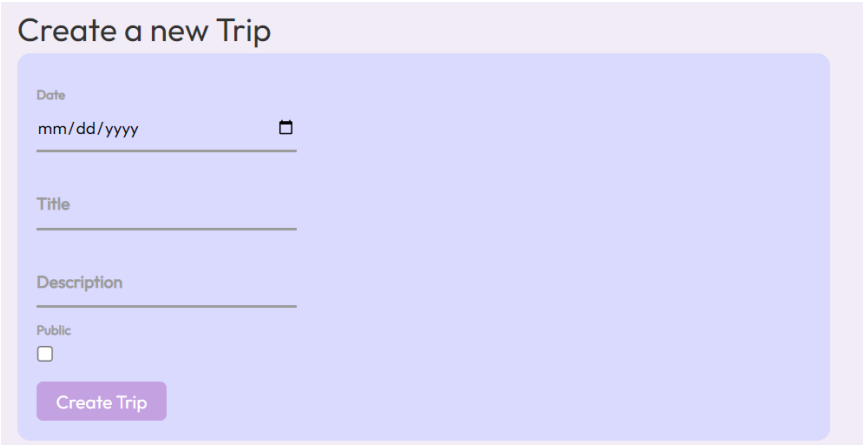
Our main strategy for development was to primarily split into a frontend and backend team. While each member worked on frontend and backend for some full stack experience, Jason and Cole primarily developed the backend while Hiro and MinSung mainly focused on the frontend. We met every week to discuss changes and make sure everyone was up to date on the progress of the app. Our weekly meetings also consisted of collaboration on getting through any blockers or issues. To accompany each weekly meeting, we had a document with changes

and tasks that we updated every week to help us organize tasks. Overall, I think that the joint effort and effective communication between our team was one of our biggest strengths.

Screenshots from the app:







Below are the links to our final presentation slides:
Team 6 Final Presentation