

Release Summary

Cafe Hopper

November 26, 2024

Key Features Delivered

This release includes a mobile application that offers the following features as part of the Minimum Viable Product (MVP):

- User Registration and Login: Enables users to create profiles and access their accounts.
- Interactive Map: Allows users to search for cafes by name or by filter, and view nearby cafes as pins on a dynamic map.
- Cafe Details: Provides essential information about cafes, such as name, address, operating hours, and reviews.
- Visit Logging: Empowers users to log, review, and track their visits to cafes.

Additional Delivered Features

- Profile Customization: Users can personalize their profile information and preferences.
- Lists Creation: Users can create and manage lists (e.g., "liked" or "to-go" cafes, public and private lists). Public lists are displayed on users profile.
- AI Review Summary: An AI-powered feature generates concise summaries of user reviews for each cafe. These summaries provide an easy-to-read overview of overall sentiment and key themes from reviews.

Key User Stories and Acceptance Criteria

User Registration and Login

- User Story: *As a user, I want to be able to make an account and sign in so that I can log visits to cafes.*
- Acceptance Criteria:
 - Users can register with their email and password.
 - A login screen allows authenticated access to personalized profiles.

Profile and Customization

- User Story: *As a user, I want to be able to customize my profile so I can showcase my preferences and make my experience feel more personalized.*
- Acceptance Criteria:
 - Users can change name, location, bio
 - Users can see lists they made and all account information on profile page

Search and Interactive Map

- User Story: *As a user of the app, I want to view cafes as pins on the embedded map so I can get an easy overview of cafes in specific areas.*
- Acceptance Criteria:
 - A search bar allows users to find cafes by name or location.

- A dropdown menu allows users to narrow down their searches by specific filters
- Map pins dynamically represent nearby cafes based on user location or search input.

View Cafe Information

- User Story: *As a user, I want to see information about cafes I search for, such as name, address, hours, an image of the cafe, and reviews.*
- Acceptance Criteria:
 - A reusable component displays detailed cafe information fetched from the database.
 - The component also fetches and displays corresponding reviews upon load.
 - The feature adheres to the UI design provided in the Figma mockups.

Log Visits and Write Reviews

- User Story:
 - *As a user, I want to log my visits to cafes and include specific information about each.*
 - *As a user, I want to easily write a review so that I can quickly share my feedback without being overwhelmed.*
- Acceptance Criteria:
 - Users can log visits directly from the cafe page using a form.
 - The form allows users to upload a rating, description, images, and tags, with an option to mark the review as private.
 - A reusable review component displays fetched reviews.
 - Reviews are uploaded to the database for display to other users.

Known problems

- customProfile.tsx
 - Add favorite cafes functionality is not implemented correctly.
- Profile.tsx
 - Followers, Following, Cafes, and This Year sections are hard-coded and not dynamically implemented.
 - No functionality for logging out of the profile.
 - Spacing issues exist between location and bio for certain profiles.
- (tabs)/index.tsx
 - Profiles in feed posts are not clickable, preventing users from navigating to individual profiles.
 - If location permissions are not allowed by user, skeleton loads forever.
- AddToList.tsx
 - Have not implemented delete or edit lists
- login.tsx and signUp.tsx

- Sign In/Up with Google is not implemented.
 - Occasional crashes
 - CDN images take some time to display and update
 - Dropdown doesn't work on mobile test, works on simulator its just missing some front end logic
 - When searching on the map, if there aren't many cafes matching the name then others will show up too
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Product backlog

Planned Features and Enhancements

1. **Favorites and Followers System:** Allow users to mark favorite cafes and dynamically display their followers, following, and cafes visited on their profile.
2. **Logout Functionality:** Implement a logout feature to enhance account management and security.
3. **Interactive Feed Posts:** Revamp the home feed to display activity from followed users and recommended cafes based on the user's location. Include popular reviews and trending cafes for a curated experience.
4. **Cafe Visit Statistics:** Dynamically track and display user-specific statistics, such as the number of cafes visited during the current year or specific timeframes.
5. **Log Visits with Friends:** Allow users to tag friends when logging cafe visits, creating a shared experience.
6. **Customized Lists:** Enable users to personalize their lists with custom cover pictures, titles, and descriptions. Provide options to manage and edit existing lists.
7. **Cached search responses:** Search requests sent to the backend should be cached to reduce latency as well as the number of redundant requests billed by Google Maps Places API.
8. **Google accounts for User authentication:** Integrate Google accounts to create accounts and sign in to the app.