

Team: Catapus / 112-3

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Major features:

1. Profile creation / management

Users will be able to create a profile that contains information about their location, whether they are a driver, rider, or both, times and dates that they are planning on going up to the mountains, ski / snowboard ability level, and offered rates for rides if applicable. Users will be able to add pictures to their profile and a brief description about themselves.

2. Trip planning discussion board

Drivers and riders will be able to post on the discussion board for their local community with information about planned trips. The drivers will post the current amount of available seats, their ability to pick up riders or a specific meeting location for them to be picked up at, the rate they are charging for each rider, and of course the destination and time that they plan to leave. When a rider and driver have agreed on the trip they will jointly confirm the trip so that it can be logged for other features.

3. Rating system

After the date of the planned trip, riders and drivers who have previously confirmed a trip can leave a rating out of five stars with a brief description about each other. These ratings will then be displayed on the users profile in their reviews section.

4. Direct Messaging

Users will be able to directly message one another. A user who wishes to directly message another will first request permission from the other and if the request is accepted, private and direct communication will be available between the two users. This feature will be used so that riders / drivers don't have to reveal private information such as phone numbers and addresses on the public discussion boards.

5. User Portal

The user portal will function as a home page. Here we will host the redirections to their profile portal, browsing local discussion boards, direct messaging, etc. The user portal will be the first thing that the user encounters when loading up the application.

6. Weather Forecast

Our website will include a weather forecast feature that will allow users to check weather conditions at their destinations with a press of a button. This feature will also warn users of any natural hazards such as storms and avalanches.

Requirements

Profile creation / management

Functional requirements:

Users who don't have a pre-existing account will be directed to the user creation page. On this page the user will need to fill out a form that contains the information for their profile (Name, age, location, email, driver / rider status , bio, a picture of themselves) and verify their account creation through email before they are able to use summit. Users with pre-existing accounts will be able to modify their profile information at any point after profile creation by going into their profile portal and selecting an edit option. Users who wish to remove their account from summit will be able to do so, they will go into the profile management portal and select the delete account option, they will then confirm with their email that they wish to delete their account and their account will then be removed from summit. Password changes will need to be verified by email as to protect user security. All profiles on summit will be public and viewable by anyone with a summit account.

Non-functional requirements:

The profile creation page and profile management page will have very similar presentations. The email sent to verify account creation will be sent within a minute of the user submitting their profile. Users with a pre-existing account will be able to save their login information for quick access. On profile creation each form entry will have a brief description of what to fill out in each category.

Trip planning discussion board

Functional requirements:

The discussion board will be filtered by area, users will type the area they are interested in a search bar and enter that sub discussion board. Once in the sub - forum the user will be able to browse posts from most recent onwards. The posts will contain a headline provided by the original poster which will provide information about the matter of the post. Other users will be able to reply with text to the post and these responses will be public and viewable by anyone viewing the post. Both posts and responses will contain a link to the creators profile allowing users to request for direct

messaging. The original poster will be able to initiate the confirmation process between two users by clicking a link at the bottom of a responders text that will redirect him to the confirmation stage. The original poster will have the ability to remove any responses in their post and close it at any time that they wish. Posts will be automatically deleted two weeks after their creation.

Non-Functional requirements:

The original post text will be on the first indentation level, responses to this will be on the second indentation level, and responses to responses will be on the third indentation level. All text will be contained in separate boxes with a unified different background color from the overall webpage to enhance readability. All posts and responses will be in the format: username: [user provided text] where username is a link to the creators profile page. Once in a post the user will be able to hit a back arrow in the left corner to return to the overall forum for a given area. The text of the original poster will be bold while all other text will be normal.

Rating system

Functional requirements:

Only users who have confirmed that they are partaking in a trip together will be allowed to leave a rating on each other's profile. Users will be able to leave a rating by going to the desired profile and entering the reviews section. If the two users have previously confirmed that they are on a trip then there will be an option for leaving a review. Users will give each other a rating out of 5 stars and a brief text description of why they gave this rating. All ratings will be publicly available to anyone viewing the directed to users profile after the review is submitted.

Non-Functional requirements:

All ratings will be displayed from most recent onwards. The previous 3 ratings will be fully readable on the profile page of the user. These will be readable through a scrollable subsection of the profile page. All other ratings will be viewable by clicking a link on the scroller which will redirect to a page that displays all ratings. The descriptions for ratings will have a character limit so that they can fit reasonably on the profile pages of others.

Direct Messaging

Functional Requirements:

Users will be able to request each other to direct messages. If accepted then they will be able to privately message each other through Summit. Through the user portal there will be a redirection to direct messaging where all the users conversations will be accessible. Inside conversations users will be able to message each other with text. Direct messaging will be available on summit for users that want to keep their interactions on summit solely through the application and out of their personal phone. Users will also be able to delete conversations and remove others from their dm list.

Non-Functional Requirements:

Direct messages will be stored for 3 days then they will be unviewable or retrievable. Direct messages will have a character limit. Users will receive a notification(either email or a phone notification) when someone has sent them a message. Direct messages will only contain text, images and other types of information will not be sendable through Summit.

Creating Groups of Users

Functional Requirements

Users can create groups that include other users in order to easily post their potential car group on the discussion boards. If a user makes a group and makes a post on the discussion board with that group, a message will be sent out to the registered users requesting them to confirm the invitation/plan. If there is a member who is coming on the ride who is not a registered member on the application a temporary profile will be created that just includes the ride members name.

Non-Functional Requirements

A non registered member can create an account and update and use an already created temporary user account. This would work by a new member trying to create a new account and matching their profile to a temporary profile that already exists. A sharing function that would send a text to a non-registered user if they were included in a group could be implemented.

User Interface Organization

Functional Requirements

The user interface should facilitate easy access to the message boards in multiple categories such as Destination, Ride Availability and friends from previous rides. The user interface will also focus on limiting the amount of different pages that a user would have to switch between in order to preserve cleanliness. A main page with different page options such as messages, currently planned rides, and message boards. A swipe system similar to tinder to switch between pages would be ideal for an enjoyable user experience.

Non-Functional Requirements

Access to a kind of monetary exchange system so that users may exchange money for gas and such expenses. A link to sharing a venmo account with another. Creating a friends list to easily add members to a planned ride. Other ergonomic functions for creating rides, adding/deleting friends, making message requests. Examples of easy use for these functions would be swiping functions and "hold to activate buttons".

