Team Burger Crushers

Team 2075
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Project Features List:

1. Skier chat

We will have a feature allowing users to chat with each other, allowing drivers and riders to communicate and ask questions to make coordinating rides easier.

2. Ride tracker

This feature will be an area of the website where riders can check on what drivers are available near them in the near future, and allow drivers to see if anyone has requested a ride near them.

3. Weather

This feature will display a page that shows relevant local weather and current snowfall at various local ski areas.

4. Driver/Rider Settings

A feature allowing drivers to customize and make available their rides. Customization includes driver ability to set and change prices for their rides.

5. Notifications

A feature that notifies users when there are drivers available and when drivers have arrived. Also has a pop up option to rate the driver after a ride.

6. Profile

A profile page where drivers'/riders' information is displayed, like when and where they usually drive or ride to, and their ratings given by other users.

7. Driver/Rider Screening

A basic test users who sign up must take to confirm that they meet the basic requirements for drivers and/or riders (over 18, valid driver's license, etc.)

8. Terms of Use Agreement

An agreement all users must agree to that states they must take full responsibility for harm that comes to them as a result of using the app.

9. Backend Database

The database will store all user and app data in one location, only accessible to the user through certain regulated app features.

Requirements:

Our app will have 2 main types of users; people who offer rides to others, and people who request rides from others. Each story addresses how each type of user will use the feature. Functional and nonfunctional requirements are included in the first paragraph of each story. Priority and "why" is included in the second paragraph. The 3rd paragraph includes acceptance criteria.

User Stories:

1. Skier chat

This feature will provide a simple window where riders and drivers can chat to coordinate rides. Riders and drivers will be able to connect through the chat once they have selected each other as potential partners, before (and after) committing to the trip. The riders will use this feature to confirm the driver's schedule and clarify plans. The drivers will use this feature to determine whether or not their selected rider(s) are fit for their trip, and coordinate trip details with them. Only users who have connected or selected each other as potential partners will have access to chat using this feature.

This feature will be included to improve matchmaking between riders and drivers, as well as making it more efficient for all users to coordinate trips, overall improving the efficiency and functionality of the app. This feature is lower priority and will be finishing during week 12 of development.

This feature will be considered complete when it is able to successfully connect potential driver/rider partners and allow them to send chat messages to one another, without impeding the functionality of any other part of the app.

2. Ride tracker

This feature provides a window of the app that lists other users near the main user who have either requested rides or offered them in the near future, along with some basic information on the user, including meeting location, time leaving, amount being charged/paid, and other trip details. Riders will use this feature to discover rides leaving soon near them, and select their ride accordingly (or decide against riding). Drivers will use this feature to find riders near them who have requested rides, and make a selection based on the person's location, price paid, and any other feature. This feature will connect to a backend database containing available rides and riders, and return relevant information from it.

This feature is included because it is necessary to provide a way for drivers and riders to find each other, which is necessary to the functionality of the app. It is one of the core features of our app, and will be finished during week 9.

This feature will be acceptably completed when drivers are able to see a list of potential riders and riders are provided a list of nearby drivers.

3. Weather

This feature provides information on the snow cover and conditions of selected ski areas near Boulder, updated each day. This feature will be used by both drivers and riders to

determine which ski areas are worth going to on any given day, based on snow cover/condition. The information will be provided by a weather and mountain forecast API.

This feature is a standalone feature that gives users more information on selecting their rides and planning their days, improving what our app can offer potential users in terms of overall functionality. It is a low priority, and will be finished during week 12.

The weather feature will be considered complete when a user can view the current weather at a Colorado mountain of their choice.

4. Driver/Rider Settings

This feature allows users to update information on their profile, as well as post information about rides they are requesting or offering. Drivers will use this feature to provide information on their schedule, vehicle, amount of money being charged, and meeting location(s). Riders will use this feature to post their preferred ski areas, amount being paid, preferred schedule, and schedule flexibility. This feature will be implemented through a class for each profile stored in our backend database.

This feature will allow riders to better filter through offered/requested rides before connecting with other users to coordinate, and allows for further usability of our app. This is a higher priority, and will be finished during week 10.

This feature will be considered complete when a driver can create a customized profile with ride preferences that will be available to view by riders. A rider should be able to pick the mountain of their choice and a price range.

5. Notifications

Notifications will communicate basic information to users when the application is not open, such as messages from other drivers and successful matches with other users. Riders will receive info about messages from drivers and acceptances from drivers, as well as meeting reminders. Drivers will receive info about messages from riders and acceptances from riders, as well as meeting reminders. Notifications will be sent through emails and will be optional to users.

This feature keeps users in the loop when they are outside of the app, and decreases the chances of forgotten meetings, as well as drawing users back to the app. This feature is medium priority, and will be finished during week 11.

This feature will be considered complete when the application can send users notifications via email. The notification will inform users on finding a ride/rider.

6. Profile

This feature provides basic, long term information about users accessible to other users. Both riders and drivers will use this feature to show a short description of themselves, their ride/driver preferences, their age, and potentially more. Riders and drivers will use this feature to market themselves to others as well as providing necessary information to other users. The

information stored in this profile will all be stored in our backend database to keep information secure and movable between users.

This feature allows users to both provide and view basic information to/from potential matches, allowing users to more easily select matches they are happy and comfortable with. It is a medium priority, and will be finished during week 11.

The profile feature will be considered complete when a driver profile can be built from the reviews of riders and vice versa for the rider profile.

Project Plan:

Following the agile method, we will develop different features more or less simultaneously, assigning different team members to different features and coordinating when necessary. Everyone in Team Burger Crushers has the ability to alter each and any of the features, but the main architect is listed after each feature.

Informal plan/work distribution: (For official gantt chart plan, see below)
Features:

- Login Page
    - week 9- coding, testing, design, integration
    - Completed by: Cory Flynn
- Sign-up Page (includes screening)
    - week 9- coding, testing, design, integration
    - Completed by: Cory Flynn
- Home Page
    - week 10- coding, testing, design, integration
    - Completed by: Dylan Griffin
- Profile Page
    - week 10- coding, testing, design, integration
    - Completed by: Tracy Kleekamp
- Help/Agreement Page
    - week 11- coding, testing, design, integration
    - Completed by: Tracy Kleekamp
- Chat Page
    - week 11- coding, testing, design, integration
    - Completed by: Julia Rubtsov
- Weather Page
    - week 12- coding, testing, design, integration
    - Completed by: Cory Flynn
- Driver Setup Page/Search for Riders
    - week 12- coding, testing, design, integration
    - Completed by: Henry Cobb
- Database
    - week 9- coding, testing, design, integration
    - Completed by: Team

Gantt Chart

Following the agile method, the section of time allocated to each individual feature includes design, coding, testing and integration of that individual feature. Testing of the application as a whole will commence after all features are integrated.

TASK NAME	START DATE	END DATE	START ON DAY*	DURATION* (WORK DAYS)	TEAM MEMBER
Ski Ride Share Project					
Login Page	10/17	11/9	0	24	Cory
Home Page	10/19	11/10	2	23	Dylan
Profile Page	10/20	11/11	3	23	Tracy
Sign-up Page	10/21	11/12	4	23	Cory
Database	10/24	11/13	7	21	Team
Chat Page	10/25	11/15	8	22	Julia
Weather Page	10/26	11/18	9	24	Cory
Driver Setup Page/Search for Riders	10/28	11/20	11	24	Henry
Help/Agreement Page	10/29	11/22	12	24	Tracy
Final Testing	11/22	12/2	36	11	Team