Team Burger Crushers - Project Milestone 4
Team: 2075
Henry Cobb, Dylan Griffin, Tracy Kleekamp, Cory Flynn, Juia Rubtsov

Project Features List:

A lower priority number means the feature is a high priority.

1. Ride tracker (Priority rank: 4)

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.

2. Weather (Priority rank: 6)

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

3. Driver/Rider Settings (Priority rank: 3)

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

4. Home Page (Priority rank: 1)

A home page of the website that serves as a hub for the user to access all the different pages and/or features of the app in one place.

5. Profile (Priority rank: 5)

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.

6. Driver/Rider Screening (Priority rank: 7)

A basic questionnaire users who sign up must fill out to confirm that they meet the basic requirements for drivers and/or riders (over 18, valid driver's license, etc.)
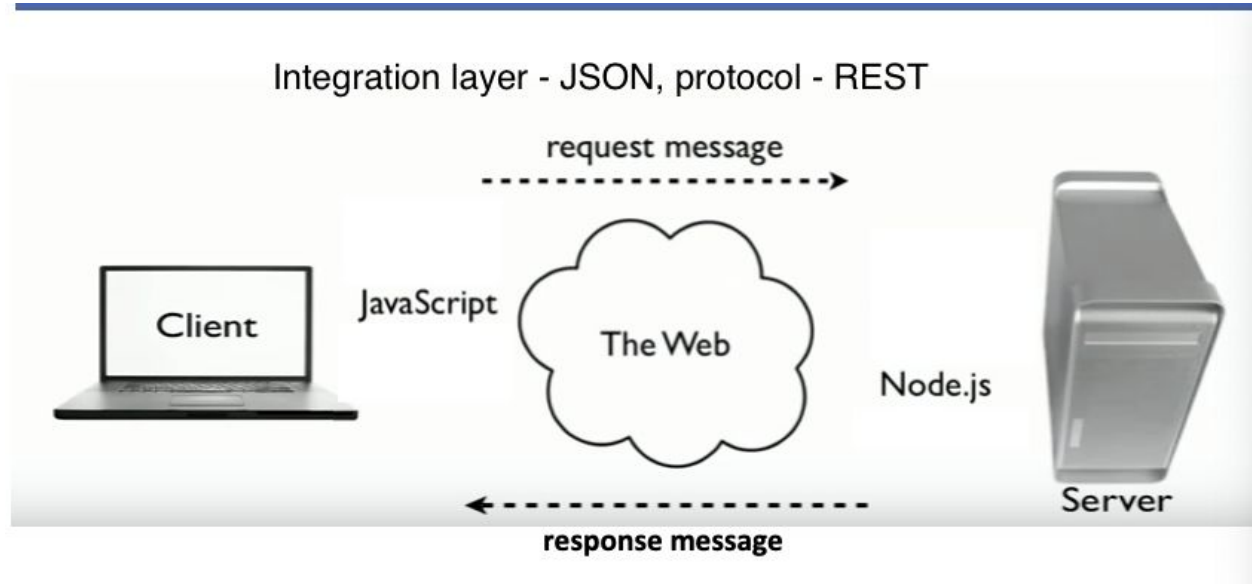
7. Terms of Use Agreement (Priority rank: 8)

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.
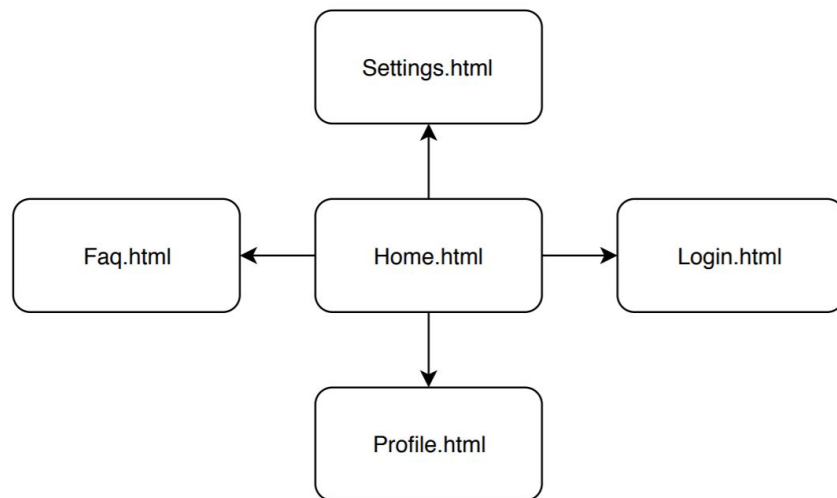
8. Backend Database (Priority rank: 2)

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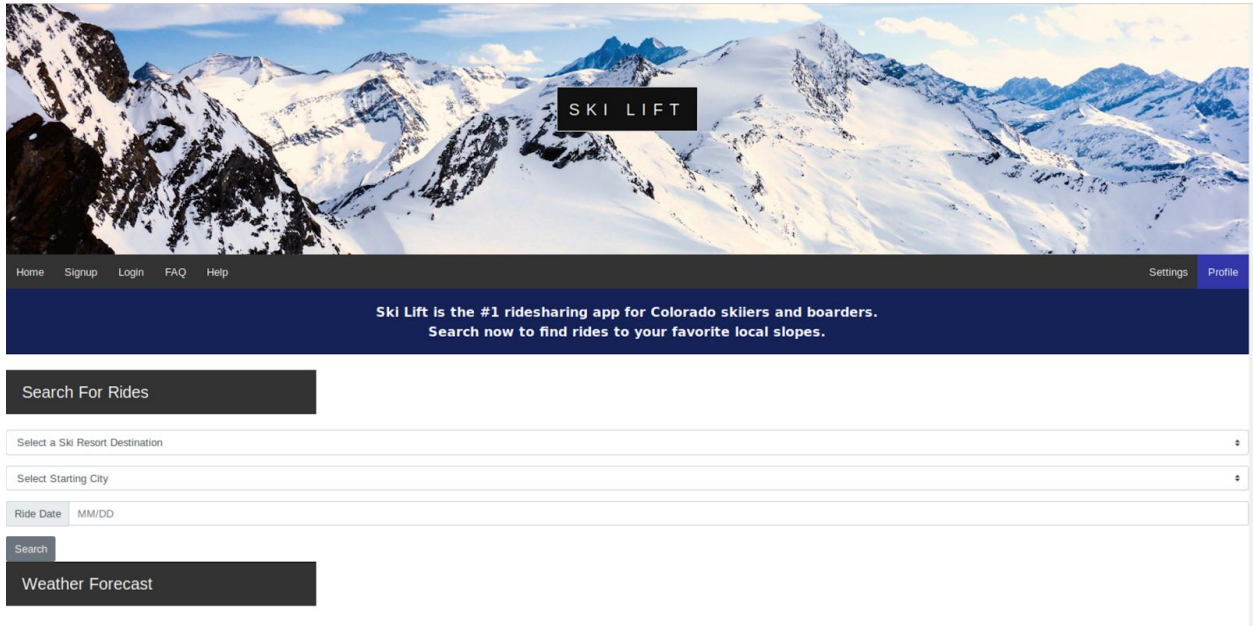
Architecture Diagram:

Integration layer - JSON, protocol - REST

request message

Client

JavaScript

The Web

Node.js

response message

Server

Front End Design:

Settings.html

Faq.html ← Home.html → Login.html

Profile.html

Home Page

Search For Rides

Select a Ski Resort Destination
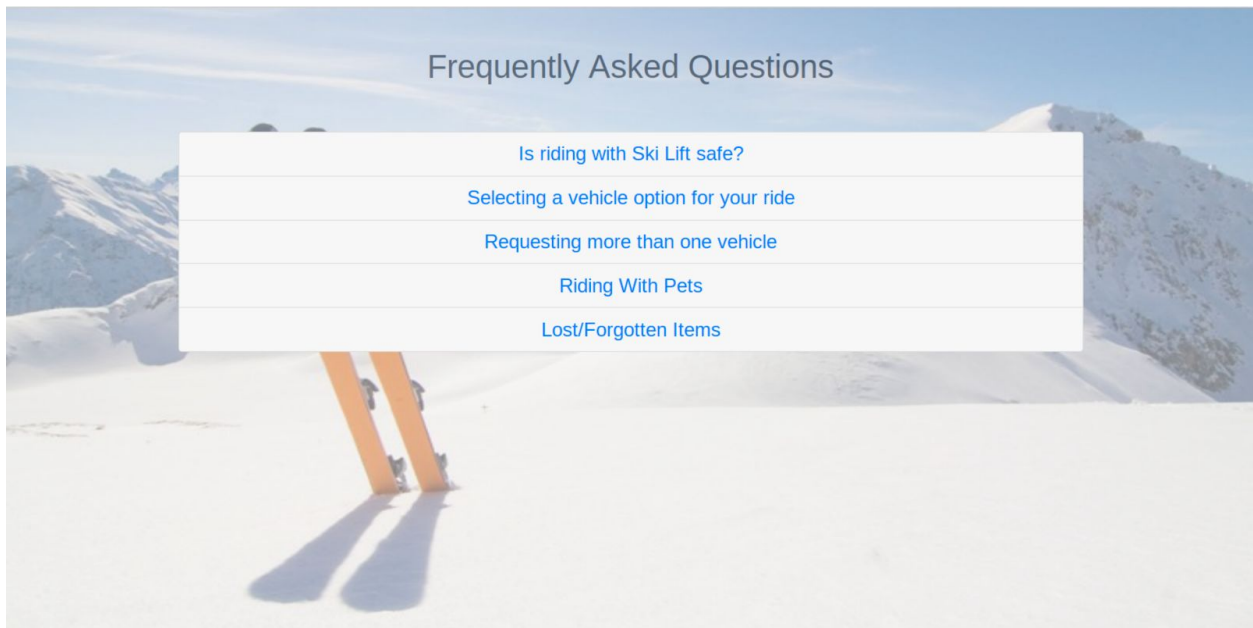
Select Starting City

Ride Date   MM/DD

Search

Weather Forecast

FAQ Page

Frequently Asked Questions

Is riding with Ski Lift safe?

Selecting a vehicle option for your ride

Requesting more than one vehicle

Riding With Pets

Lost/Forgotten Items

Login Page

Sign In

Email Address

Password

☐ Remember me | Forgot Password?

Sign in Sign Up

Profile Page

Logout

Profile Pic

Name	Jon Dosef
Driver rating	4.2 ◆
Car(make/model)	Nissan/Versa
Car color	White
Ride	Snowboard
Rider Level	Dbl Black Diamond
Favorite Mountain	Ajax Mountain, Aspen

◆◆◆◆◆

Safest ride of my life!!

Last updated 3 mins ago

◆◆◆◆

Great conversation, but honestly I just wanted to sleep.

Last updated 5 days ago

◆◆◆◆◆

We were stuck in traffic and he pulled off and bought us both Taco Bell!! BEST DRIVER EVER!

Last updated 2 months ago

◆◆

Not going to lie, the only reason I am giving this guy a bad review is becuase he totally showed me up on the moountain. Dude was ripping around and kept throwing snow at me. Other than that totally safe ride.

Last updated 2 months ago

◆◆◆◆◆

Very safe ride up to Breckenridge. Guy slays and I think I just made a boarding homie for life.

Last updated 1 months ago

Settings Page

Settings

Use this page to adjust your settings and offer or request rides to and from people near you!

General Settings

Full Name:

Name

Age:

Age

City of Residence:

City Name

First Line of Address:

Address

(No apartment # needed)

Save Changes

Add a Ride Request

Preferred Date/Date Range:

Date(s)

E.g. 12/25/2019 or 12/25/2019-12/27/2019

Offered Pay (per rider):

Amount (USD)

Payment will be handled in person via venmo, cash or other preferred option.

Extra Riders (if any):

Amount

Preferred Resorts:

Name

E.g. Aspen

Ride Details

Describe your preferred meeting address, neighborhood or city, as well as any other details you want to share with potential drivers!

Add a Ride Offer

Date and Leave/Return Time:

Date, times

E.g. 12/25/2019 8:00-5:00

Times are only approximations.

Requested Pay (per rider):

Amount (USD)

Payment will be handled in person via venmo, cash or other preferred option.

Slots Available:

Amount

Resort Destination Name:

Name

E.g. Aspen

Ride details

Describe your preferred meeting address, neighborhood or city, as well as any other

Web Service Design:

We will be using JSON to pass information to and from the web server. We will also be using an API to get information about the weather at different ski resorts.

Database Design:

Our application's database is made up of four tables, one for users, reviews, available rides, and weather. We created our tables using PostgreSQL. Each table includes a user id so that later we can use that to link all of our data for specific users together.

Users table

```
 user_id |      name      |          email          | age |         car         | car_co
lor | license
---------+----------------+-------------------------+-----+---------------------+-------
----+----------
       1 | John Doe       | jodo22@gmail.com        |  24 | Nissan Versa        | White
   | ZAO 234
       2 | Jack Black     | jaybaybay@gmail.com     |  31 | Jeep Liberty        | Black
   | CHK 555
       3 | Arek Crecre    | arekc@gmail.com         |  29 | Ford Explorer       | Gold
   | JKL 715
       4 | Tina Turner    | teetee133@gmail.com     |  26 | Volkswagon Tiguan   | Red
   | TEE 133
       5 | James Bond     | double07@gmail.com      |  28 | Aston Martin        | Gray
   | AGT 007
(5 rows)
```

Reviews table

```
skilift_db=#  select * from reviews;
 user_id | review_id |     notes      | rating | review_date
---------+-----------+----------------+--------+-------------
       1 |       101 | Great ride!    |      5 | 2019-11-03
       2 |       201 | review 2       |      4 | 2019-12-03
       3 |       301 | review 3       |      3 | 2019-08-14
       4 |       401 | review 4       |      2 | 2019-02-06
(4 rows)
```

Available rides table

```
ride_id |   user_id   | ride_date  | ride_time | dest_mountain | ride_cost | open_seats |                     optional_notes
--------+-------------+------------+-----------+---------------+-----------+------------+----------------------------------------------------------
1       | steve98     | 2019-11-05 | 07:00:00  | Copper        |         5 |          2 | Prepare your favorite playlist for the ride!
2       | sallyskiier | 2019-11-05 | 07:30:00  | ABasin        |        10 |          3 | Meet at the McDonalds on Main St.
3       | bradg454    | 2019-11-06 | 06:45:00  | Vail          |        20 |          2 | We are getting breakfast on the way!
4       | kris34j     | 2019-11-07 | 07:00:00  | Winter Park   |        15 |          1 | Message me your address after you accept and I will pick you up.
(4 rows)
```

Weather table

mountain	temperature	wind	snowpack	snowfall	conditions
Keystone	30	7	45	7	snowing
El Dora	30	4	39	2	sunny
Breckenridge	23	19	50	9	snowing