## Progress Report

We implemented the following:

- Create reviews
- Persistent data (for bikes, rides, users)
- Pretty UI hooked up to backend

## Achieved/Missed Milestones

These were our milestones for the MVP:

- Implement rating/reviewing - complete
- Create and integrate SQL database - mostly complete
  - The users, bikes, and rides concepts were converted to SQL. Reviews are not persistent yet.
- Improve our website to look more like the wireframe - complete

## Difficulties encountered

### Availability tracking

We implemented a SQL table for bike availabilities from Dec 1 - Feb 28, but managing the table (inserting, editing, checking for availability) is extremely difficult and requires us to parse through each potential date.

## Changes to design/project plan

### Availability/Rental Timeframes

We currently only have daily rates implemented. Weekly and monthly dates will be implemented for the final version. We have removed hourly rates/rentals due to the size of the availability table.

Security:

- Make sure people can't just put in a script to autofill photos
- For handshake system, don't do photos - just adds unnecessary complexity
- Have a status "currently being used" before finished (then when the handshake ends, we can bring status to "finished") (Bc currently no distinction between I'm currently using the bike and I'm done using the bike)

UI:

- Automatically gives errors upon sign-up and create account
- Price range doesn't currently work, but haven't yet implemented the actual filter
- Pick a bike for me:
    - Modal asks availability/time frame you want and just reserve some bike
    - To compensate for what Daniel was saying about if someone just wants a bike right now and doesn't care too much about details

Social/Ethical Reflection:

- We don't check whether the photos are actually bikes

Debugging:

- SQL Connection Time Error: close the connection
    - If no request is made to the database in a while, then sql just automatically drops connection
    - Every time we wanna make a query, open the connection; make the query and then after, close the connection

Availability:

- One table with the listings with the start and end
- Store (not every single row and time) the times a bike is reserved
- 1 table for listings and 1 for reservations
- Look into SQL Datetime datatype
- Also look into NOT EXISTS keywords in SQL query
- Daily and up (weekly and monthly) focus is enough

Query to figure out: what days is this bike available?

Payment system:

- 100 free Wheel credits?
- Don't actually implement a payment system

The things in the map area show up in the listing (AirBnB-like) or show the closest things to our chosen coordinate?

- AirBnB thing will be a reach goal (leave last)

To do:

- Listing page for each bike
- Finish SQL
- Filters (price, availability)

- Electronic handshake
- Map view (Worry about this last)