

Project Milestone 4

Due Date: 3/22/2019 | Team 101-3

Revised Project Features List:

Note - we got rid of the feature “My Recommendations Page” as we decided that it would be better to store all of this information on the “logged in” portion of the homepage. We also got rid of the “Recommendation Quiz” because we decided that it would be better for the users to take the quiz as they’re registering.

1. Login Page (SAME, Priority = 3)

- a. The login page will be a simple yet elegant page where users can enter their email and password in order to gain access to the full LivBoulder website and their account. We are also considering building a “Forgot Username or Password?” feature for any users how can’t remember their credentials.

2. Signup Page (CHANGED, Priority = 2)

- a. The signup page will be the location where new users can enter information in order to register an account with LivBoulder. Or goal is to allow users to sign up quickly with minimal information required, and so we will simply ask for a Username, Password, Email Account, and Full Name.

The signup page will also be the location where users fill out their preferences for activities around Boulder. We want users to answer these questions as soon as possible so that they can start looking for activities the first time they’re brought to the “logged in” home page.

3. Profile Page (CHANGED, Priority = 4)

- a. The profile page will be a place where users of LivBoulder can express themselves by choosing one of our pre-defined profile images and creating a short biography about themselves. It will also show their name and gender (information given at time of registration)

4. Home Page (CHANGED, Priority = 1)

- a. The home page will consist of two parts - a “not logged in” part and a “logged in” part.

The “not logged in” part will be the first page that users see when they access the LivBoulder website. For this reason, it is essential that the home page in both inviting and attractive. We plan for this part to have an “About Us” section, a “Vision Statement” section, and a “Meet the Team” section.

The “logged in” part will be where users will see all of their recommended activities as well as the “Things I Want to Do” and “Things I’ve Done” lists after they’ve logged in. Recommended activities will be displayed in a table that contains the activity name, the activity description, and the activity picture. Users will be able to add activities to these lists from this page by clicking on buttons next to a given activity.

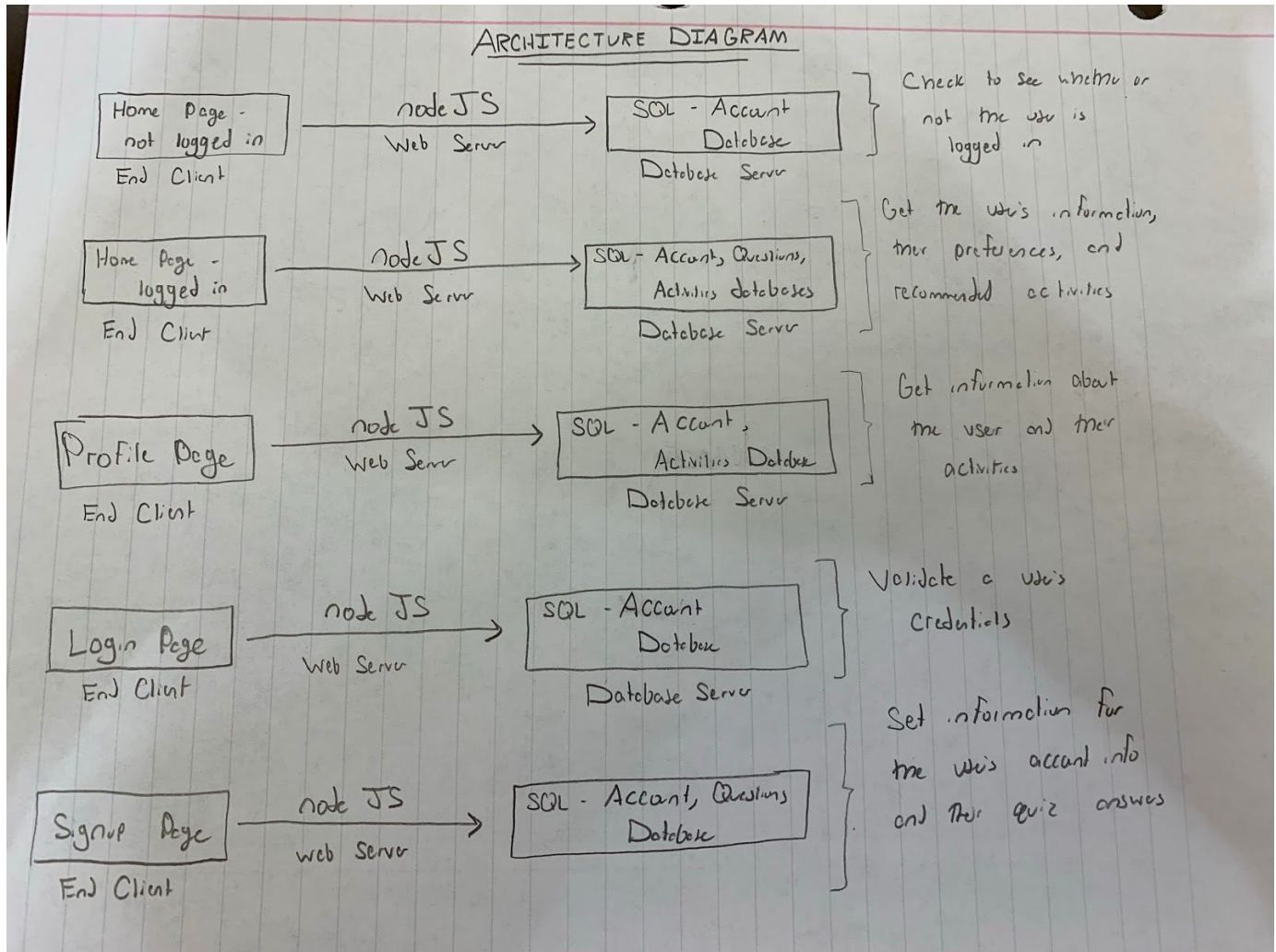
5. Ratings for Activities (SAME, Priority = 6)

- a. Users will have the ability to rate each activity they complete. We are still working out which system we would like to implement; a “Star” system, a “1-5” system, or a “Thumbs-up, thumbs-down” system.

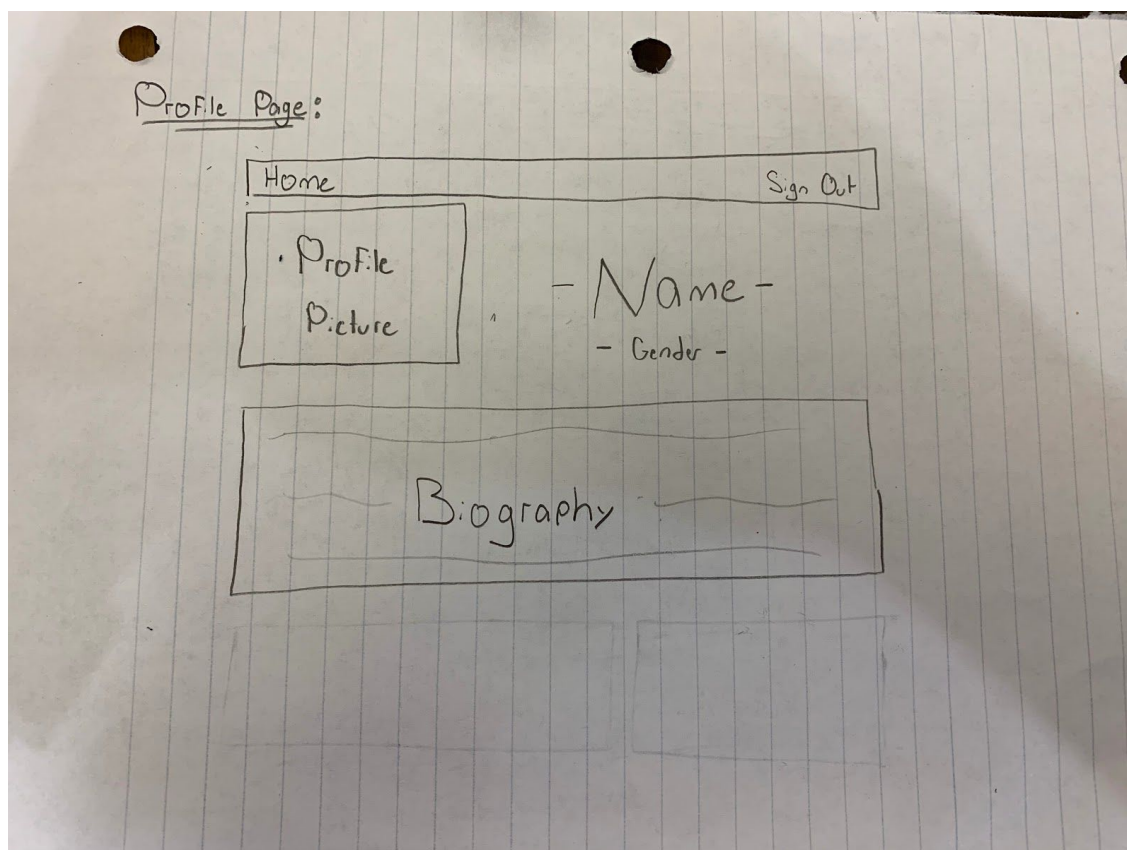
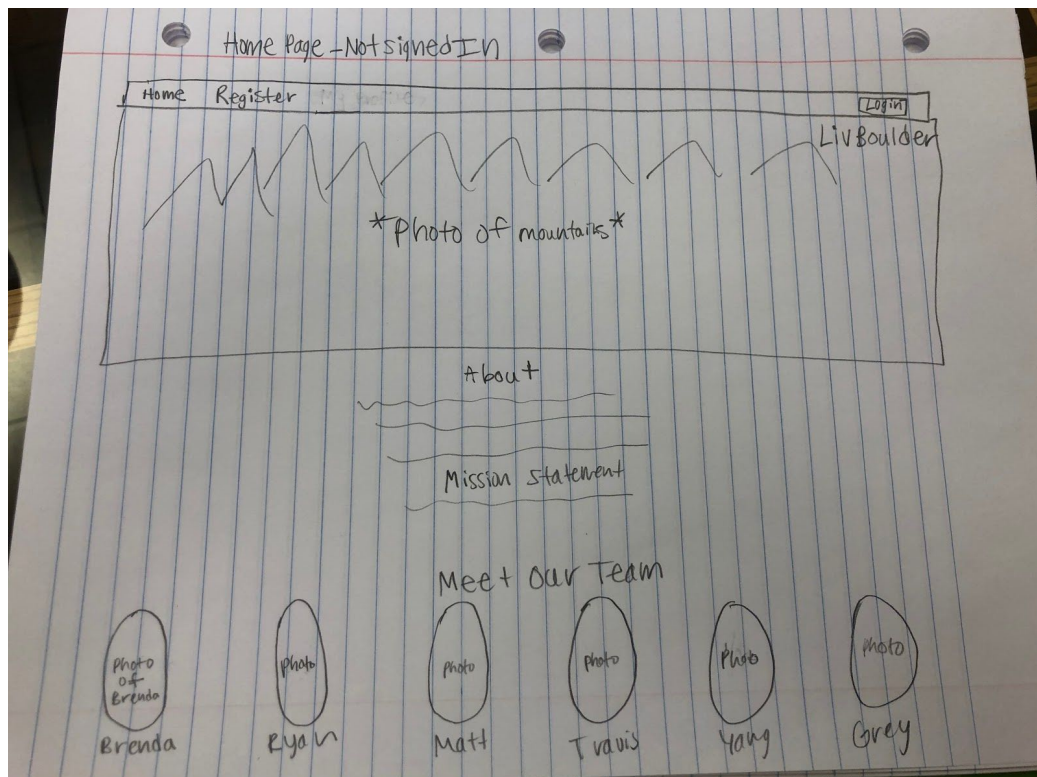
6. Lists of “Things I Want to Do” vs. “Things I’ve Done” (SAME, Priority = 5)

- a. Because there are so many amazing activities to do in Boulder, and because we expect that our users are trying to complete as many of these activities as possible, we will create two lists where they can store this information. This is also where the ratings system will be held, it is where we will pull information from as a part of the profile page.

Architecture Diagram



Front End Design



Home
Recommendations
My profile

Name of Activity	Description	Photo	Add to Things I want to do	Add to things I've done
			Yes	Yes

Things I have done

Things I want to do

Login/Register pages

Login

username

Password

Login

Don't have an account? Click here to sign up!

Register

First Name Last Name

email

username

Password

confirm Pass

Take Preference Quiz

Do you want Warm weather?

Yes No

Do you want something easy?

Yes No

Web Service Design

We currently do not plan to utilize any API's in making our application. Therefore, we have chosen not to fill out this section of the Milestone.

Back End Design

We are using PostgreSQL to store data for our application. Below is the code that can be utilized to create the three tables we need. We also have code to fill the 'activities' table with the 16 activities that we have picked out, but due to the length of this section of code, we have chosen to omit it from this milestone.

```
CREATE TABLE account(  
    id SERIAL PRIMARY KEY,  
    accountID INT,  
    username VARCHAR(45),  
    password VARCHAR(45),  
    name VARCHAR(45),  
    email VARCHAR(45),  
    biography VARCHAR(400),  
    gender VARCHAR (6)  
);
```

```
CREATE TABLE preferences(  
    id SERIAL PRIMARY KEY,  
    water BOOL,  
    biking BOOL,  
    hiking BOOL,  
    lots_of_excercise BOOL,  
    competitive BOOL,  
    easy BOOL,  
    long BOOL,  
    adventurous BOOL,  
    close BOOL  
);
```

```
CREATE TABLE activities(  
    id SERIAL PRIMARY KEY,  
    activity VARCHAR(100) NOT NULL,
```

```
description VARCHAR(400) NOT NULL,  
img VARCHAR(100) NOT NULL,  
water BOOL NOT NULL,  
biking BOOL NOT NULL,  
hiking BOOL NOT NULL,  
lots_of_excercise BOOL NOT NULL,  
competitive BOOL NOT NULL,  
easy BOOL NOT NULL,  
long BOOL NOT NULL,  
adventurous BOOL NOT NULL,  
close BOOL NOT NULL  
);
```

Account - This table stores account number and information about the user that will be accessed to allow the user to login, such as their password and username. This table will also store information about the user that will populate their profile page, such as name, bio, and gender.

Preferences - This table stores the user's results to our quiz that asks them for their preferences in activities. Each quiz question is a yes/no question, meaning that we can store their answers as booleans within this table.

Activities - This table has a collection of activities that will have a name, description, and image source. We also give each activity a boolean value for the questions that we will be asking the user. This way, we can compare the user's preferences to each activity and use this to pick which activities are suggested to the user.