

Our code design is an MVC with our backend handling most of the models and controllers and frontend with the views.

Model

1. User
 - a. This model handles all the data types a user in our system will contain, it will look something like this: ['firstname', 'lastname', 'email', 'password', 'gender', 'birthday', 'username', 'created_at', 'updated_at']

Controller

1. We have one controller called LoginController that has two functions to essentially handle the login.
 - a. Our first function is the login validation, it receives username and searches in the database for that user and then the hashed password with that user is compared to the input on the frontend.
 - b. The second function uses our User model to create a new account. The user will fill in each required input and that data is passed into the model to create a new user for our database.

View

1. Our first view is the login page
2. Our second view is an account registration page
3. The third view is our home page
 - a. The home page consists of frontend functions with googles api in order to load our map.