

1.0 Description of Project

Winnitap is a Winnipeg based comparison site that displays different breweries and their beer in Winnipeg. The site showcases information of each breweries such as beer selection and the locations and their opening hours. Winnipeg has over twenty breweries all over the city, some of them less well known to even the locals and the founder of Winnitap came up with the idea of the showcasing different local Winnipeg breweries who were hard hit by the recent COVID-19 pandemic.

2.0 Data

Unauthenticated guests will be able to see what kind of beer each breweries produce as well as their locations. Regular authenticated users will be able to leave reviews and an admin user will be able to remove any inappropriate contents on the site.

Users can leave reviews of each beer they drink and only registered users can leave reviews. By signing up, the user will provide following information: First Name, Last Name, Username, Email, Phone Number, Street Address, City, Postal Code, Province, Country, Password.

Once the user has signed up, the user can use username and password to log in and leave a review.

In order to leave a review, the user has to input:

- title
- body
- the rating out of five

Once the user leaves a review, the review can be viewed under profile. From the profile section, the user can either edit or delete their own reviews. The admin user has access to all reviews from all users from their profile where all reviews can be moderated (edited or deleted).

3.0 Details

Front End

In terms of HTML and CSS, this website is a project that was built from ground up. No frameworks such as bootstrap was used. Instead CSS Flex box and Grid was utilised within SCSS to create the general layout of the website. In terms of the beer page, Bebas Neue with font weigh of 700 was used for all titles, whereas, Montserrat 400 was used for all other relevant information on the website. Font awesome was utilised to depict the start rating out of five for each beer.

Google Maps JavaScript API was utilised in brewery page to visualise the locations of each breweries within Winnipeg. Each breweries are marked on the map and supplies the name and the basic information such as location when the user clicks on the marker.

PHP was utilised to generate the beer and brewery tables by pulling data from the database and outputting them onto their respective pages. Also, users are able to leave reviews about each beer by clicking on to a beer and going to the details page. Once the user leaves the review, provided the person is an authenticated user, he/she can check all the reviews that have been submitted under profile and chose to edit or delete them if they chose to.

Back End

MVC pattern was utilised to structure the back end of the website. Front controller was utilised and all the logic was contained in controllers. In config.php session was used to capture both error and flash messages for forms and log in. connect.php contains all the information regarding connecting to database. Database handle (\$dbh) was created with PDO. Through the beer page, the users will be able to pick the beer to review on.

If the user clicks on a beer on the beer section, the user can see following information about each beer: Brewery Name, Short Description, Beer type, alcohol percentage, Gluten Free or not, Price, ML per Serving, Container Type. However, in order to leave a review, the user has to be an authenticated user. The user can sign up by clicking 'JOIN US' tab on the right hand corner.

Once the authorised user leaves the review, all relevant information provided about the review of fed through to the database table 'reviews'. The reviews table contains important information such as beer id, user id, review title, review itself and star rating out of five.

The admin user has access to see all beer as well as ability to create, edit and delete beer. This is done when the user with admin privilege logs in. Non admin users will only see personal information and the reviews, however, admin users will be able to see the full beer table with CRUD functionality.

Security

In terms of password hash was used to ensure security, whereas, escaping users' input was used to protect the site against any XSS attacks. For SQL injection, passing parameters to queries was used.

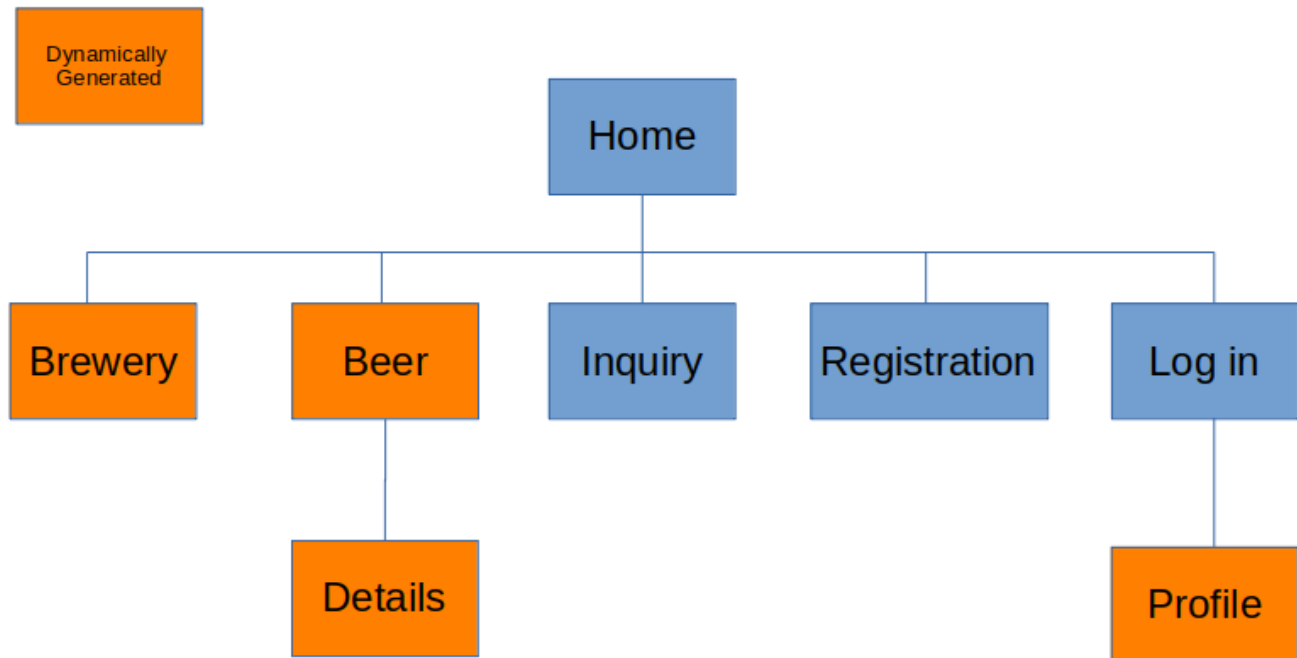
Time Estimate

Features

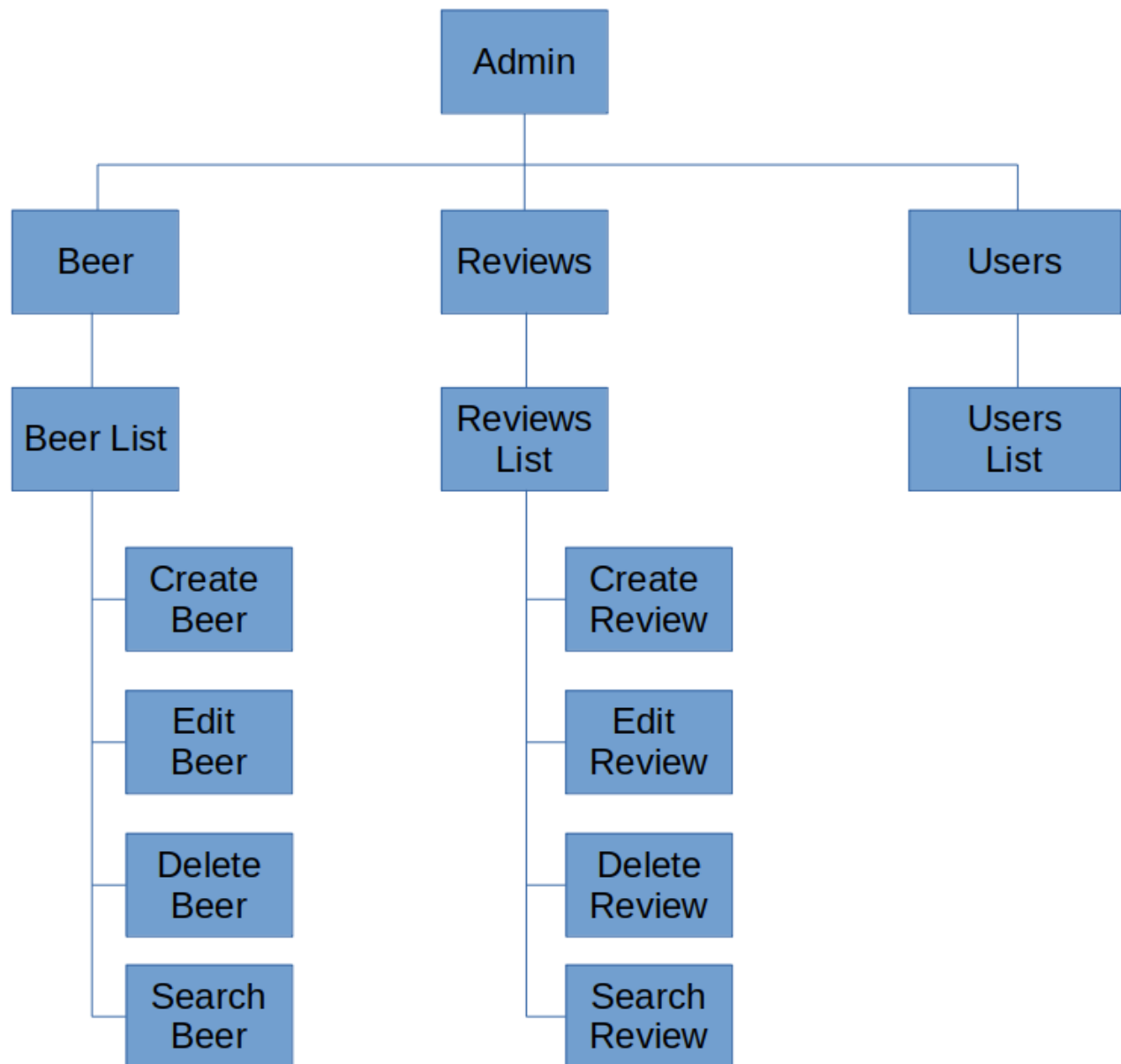
Hours needed

HTML/CSS completed	72
Brewery Google Map API	1
Brewery List View	1
Beer List View	2
Beer Filter by brewery	1
Beer Detail View	2
Beer Review Functionality	3
New Brewery Inquiry Form	2
Registration Form PRG	2
Registration Form Validation	2
Registration Form Thank you Page	1
Log In Validation	2
Profile Dynamically Generated	3
Profile Edit user reviews	2
Profile Delete user reviews	2
Logout	1

4.0 Front End Site Map

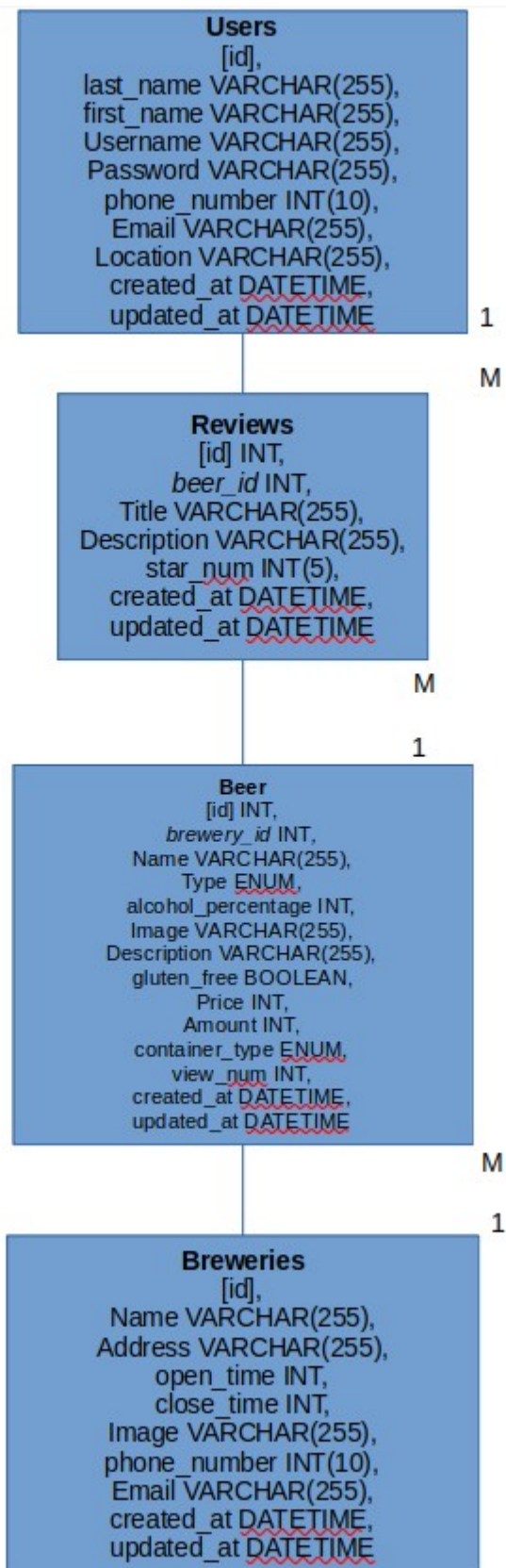


5.0 Back End Site Map



6.0 ERD

[primary]
foreign



7.0 Use Cases

Unauthenticated

An unauthenticated user will be able to:

- look at brewery page to see all the breweries
- look at beer page to see all the beer
- click on each beer to see more detailed information about the beer
- leave inquiries if they are a new brewery wanting to be featured on the site
- register to become an authenticated user

Authenticated

An authenticated user will be able to:

- log in
- leave reviews on beer through detail page
- visit profile page to view personal information
- visit profile page to edit or delete reviews the user has left

Admin

An admin user will be able to:

- visit the admin page
- see the full list view of all beer
- create new beer
- edit existing beer
- delete existing beer
- search existing beer
- see all users
- see all users

8.0 PRG Process – User Registration

LOGO BREWERY BEER NEW BREWERY? JOIN US LOG IN

REGISTRATION

Your Information

First Name	Street Address
<input type="text"/>	<input type="text"/>
Last Name	City
<input type="text"/>	<input type="text"/>
Username	Postal Code
<input type="text"/>	<input type="text"/>
Email	Province
<input type="text"/>	<input type="text"/>
Phone Number	Country
<input type="text"/>	<input type="text"/>
	Password
	<input type="text"/>
	Password Confirmation
	<input type="text"/>

Submit

All fields are required and form is submitted through post method.

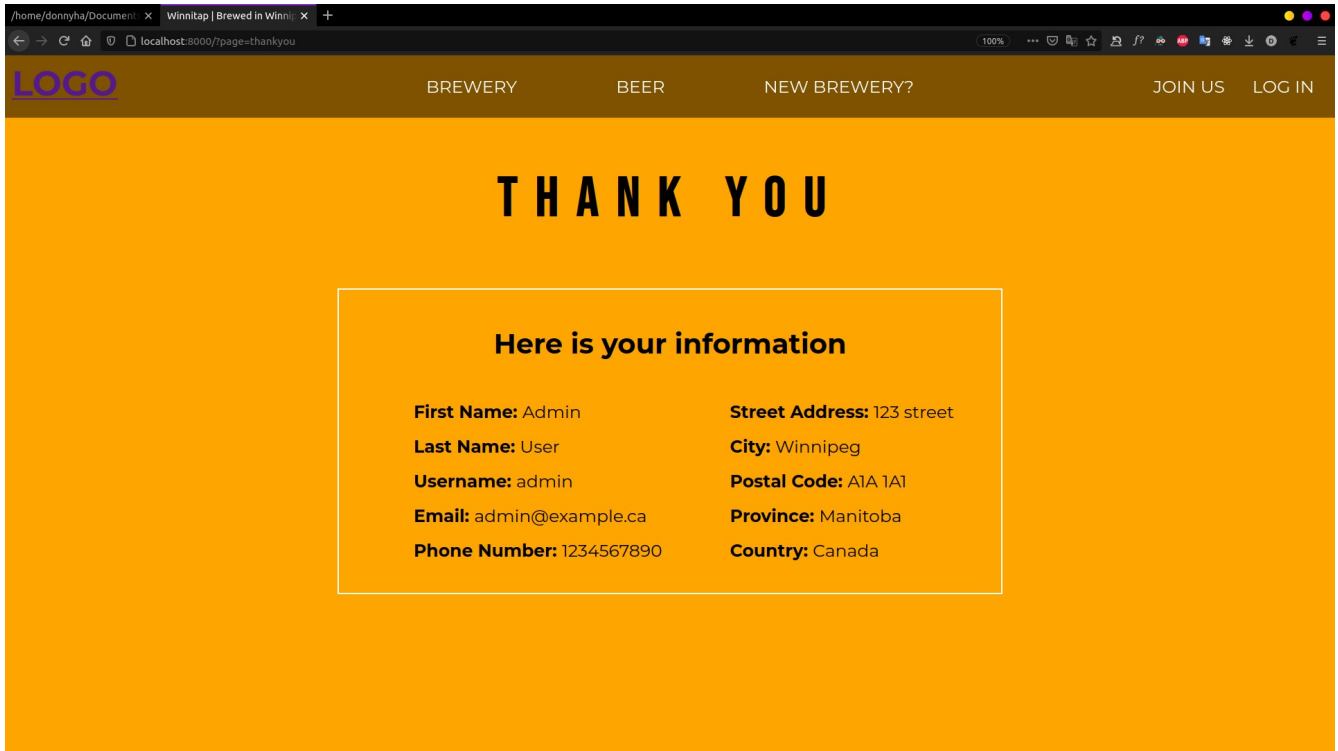
LOGO BREWERY BEER NEW BREWERY? JOIN US LOG IN

REGISTRATION

Your Information

First Name	Street Address
<input type="text" value="Admin"/>	<input type="text" value="123 street"/>
Last Name	City
<input type="text" value="User"/>	<input type="text" value="Winnipeg"/>
Username	Postal Code
<input type="text" value="admin"/>	<input type="text" value="A1A A1A"/>
	Invalid postal code
Email	Province
<input type="text" value="admin@example.ca"/>	<input type="text" value="Manitoba"/>
Phone Number	Country
<input type="text" value="1234567890"/>	<input type="text" value="Canada"/>
	Password
	<input type="text"/>
	Password Confirmation
	<input type="text"/>

When a new user tries to sign up, he/she needs to provide valid information. Otherwise, the relevant error messages will be outputted and the form will not submit and returned through get method. All values are sticky.



Once the registration is complete, a flash message congratulating successful registration will pop up and the personal information will be displayed.

9.0 Site Bible

For this website, Digital Ocean was used to host the site with Ubuntu 20.04 LTS as the server of choice. PHP 7.4 is deployed on the server. The IP address is capstone.wdd-donny.xyz/ and the IP address of the server is 142.93.148.160