

A dark blue vertical bar runs down the left side of the page. A blue arrow points to the right from this bar, containing the date.

4/7/2022

Final Project Report

Single Web Application CW3

Several thin, curved lines in shades of blue and grey originate from the bottom left and sweep upwards and to the right.

Silvia Aminul
M00702000

Contents

Overview	2
Description	2
Wireframes	3
Functions.....	3
Not logged in.....	3
Register Page.....	4
Login Page	5
Logged in	6
Recipe dropdown	7
Recipe Page	8
Friends.....	10
Privacy Policy.....	11
About us page	12
Terms and conditions.....	13
Updating customer details.....	14
Posting a recipe.....	15
Screenshots.....	16
DataDump	16
Front page	17
Registration	18
Testimonials	19
Html Checker.....	20
CSS Validation	21
Database	22
Technology.....	22
Node.js	22
JavaScript	22
HTML&CSS	22
Wireframepro	22
Dbdesginer	22
Html Validation	22
CSS Validation	23
Conclusion.....	23

Overview

The following is a report in regards to creating a single web application page called CookingMania, users can register and log in to see what their peers have posted as well discuss recipes in private, reviews with a star rating can be left on posts, CookingMania will have special features such as easy recipes; this is targeted towards the less experienced in handling recipes that are less than five and faster to cook. All posts will have like and dislike buttons as well as a saving option, this allows users to view recipes they might like to attempt in the future. CookingMania will have a search option to fetch recipes tried and tested.

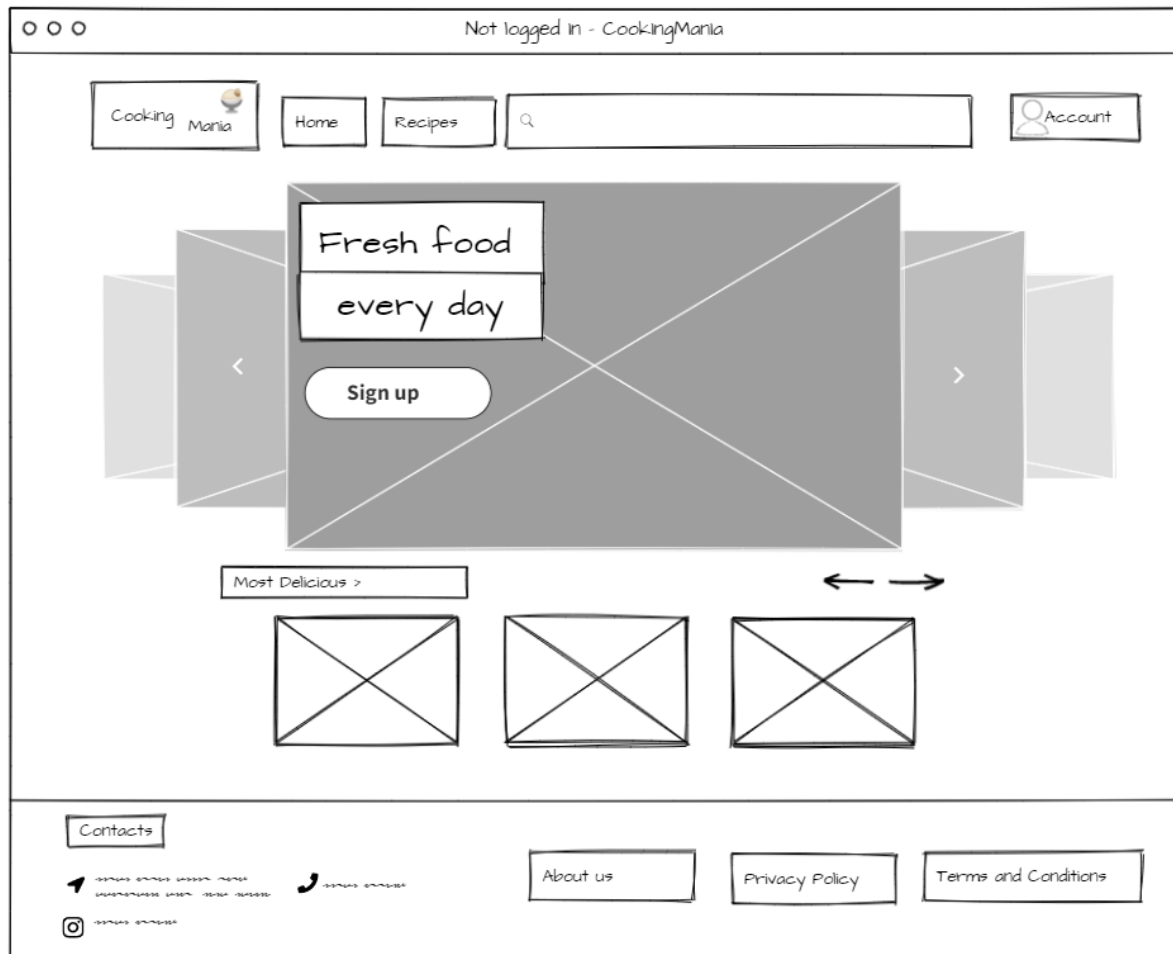
Description

The initial concept of CookingMania would allow exclusive access to recipes to only registered users, users would be able search recipes from the search bar, which will then prompt the user with relevant results. Users would be able to interact with their peers in a global chat whereby all users can send and receive and view each other's messages, when posting a recipe from the add button , each time the user adds an ingredient not only will the input field increase depending whether they'd like to add additional ingredients but also ingredient quantity box will increment each time, users can upload images from their files in various different formats such as PNG .jpeg etc. user view posts and sort them by date and relevance, lastly there is text box for users to add the details of the procedure for an exquisite meals. On posts user can leave rating on recipes they have tried and also view what the average rating of recipes are. Users can view others profile once the click view more on the left hand side above the real time chat box, users can search and view profiles where the can view their average rating on recipes posts, they can also view the number of posts they have posted, a list of post created will be listed. For this coursework user interference has been focused to enhance the experience from start to end .

Wireframes

Functions

Not logged in



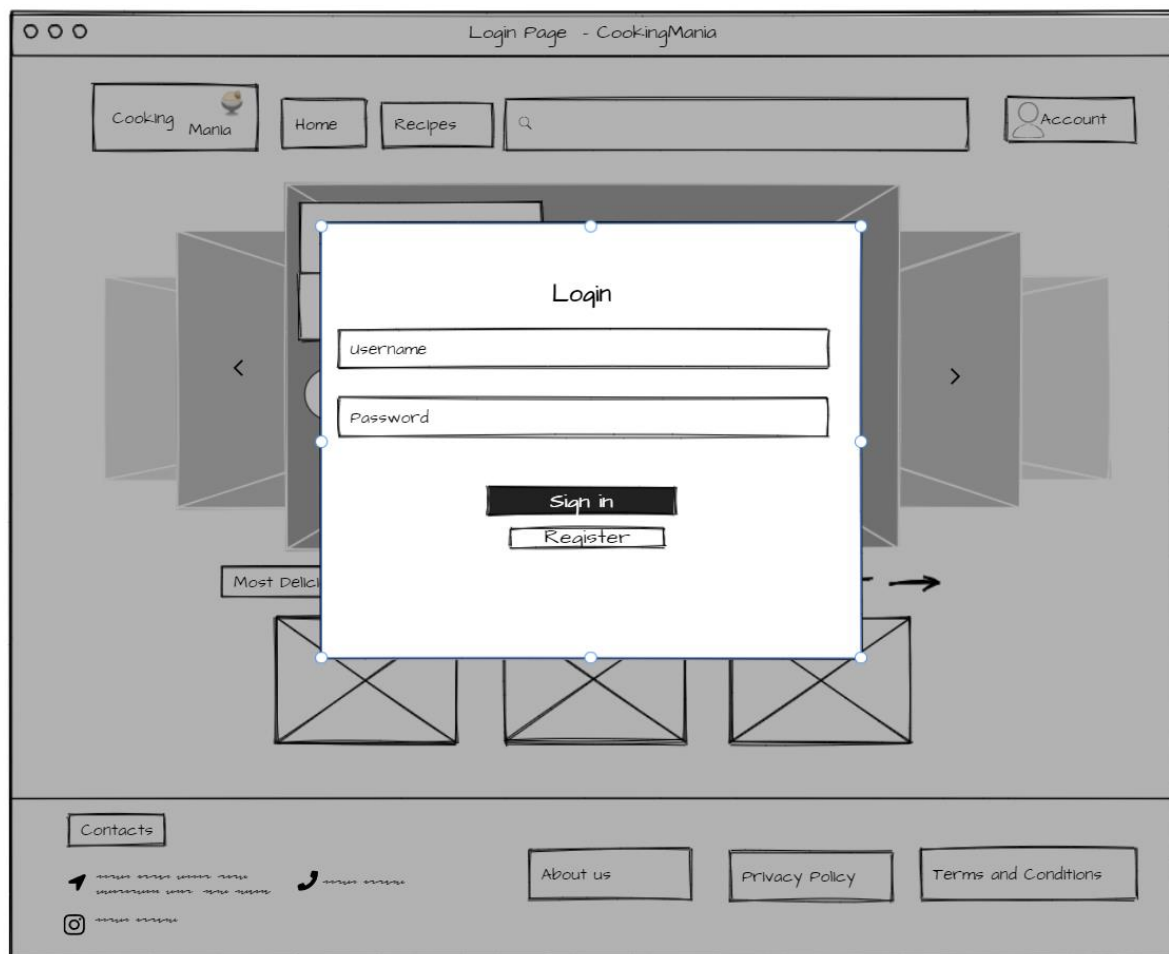
This page will be the display page of the home page if the user is not logged; in essence the recipes are exclusively accessible to users who are logged in, the images in the banner will display recipes made or attempted by users with a sign-up button that will remain still as the banner moves in the background. Pressing on the sign-up button will prompt the user with a bootstrap box where personal details can be registered.

Register Page

The image is a hand-drawn wireframe of a web browser window. The browser's title bar reads "Login Page - CookingMania". The page layout includes a header with a logo "Cooking Mania" (with a small bowl icon), navigation links "Home" and "Recipes", a search bar with a magnifying glass icon, and an "Account" link with a user icon. A central modal form titled "Register" is overlaid on the page. This form contains five input fields: "Username", "Email", "Confirm Email", "Password", and "Confirm password". Below these fields are two buttons: a dark "Sign up !" button and a light "Login" button. The background of the page shows a blurred view of the main content area with elements like "Most Delic...", a right-pointing arrow, and three placeholder boxes with 'X' marks. The footer contains a "Contacts" section with social media icons (a location pin, a phone, and Instagram), and three links: "About us", "Privacy Policy", and "Terms and Conditions".

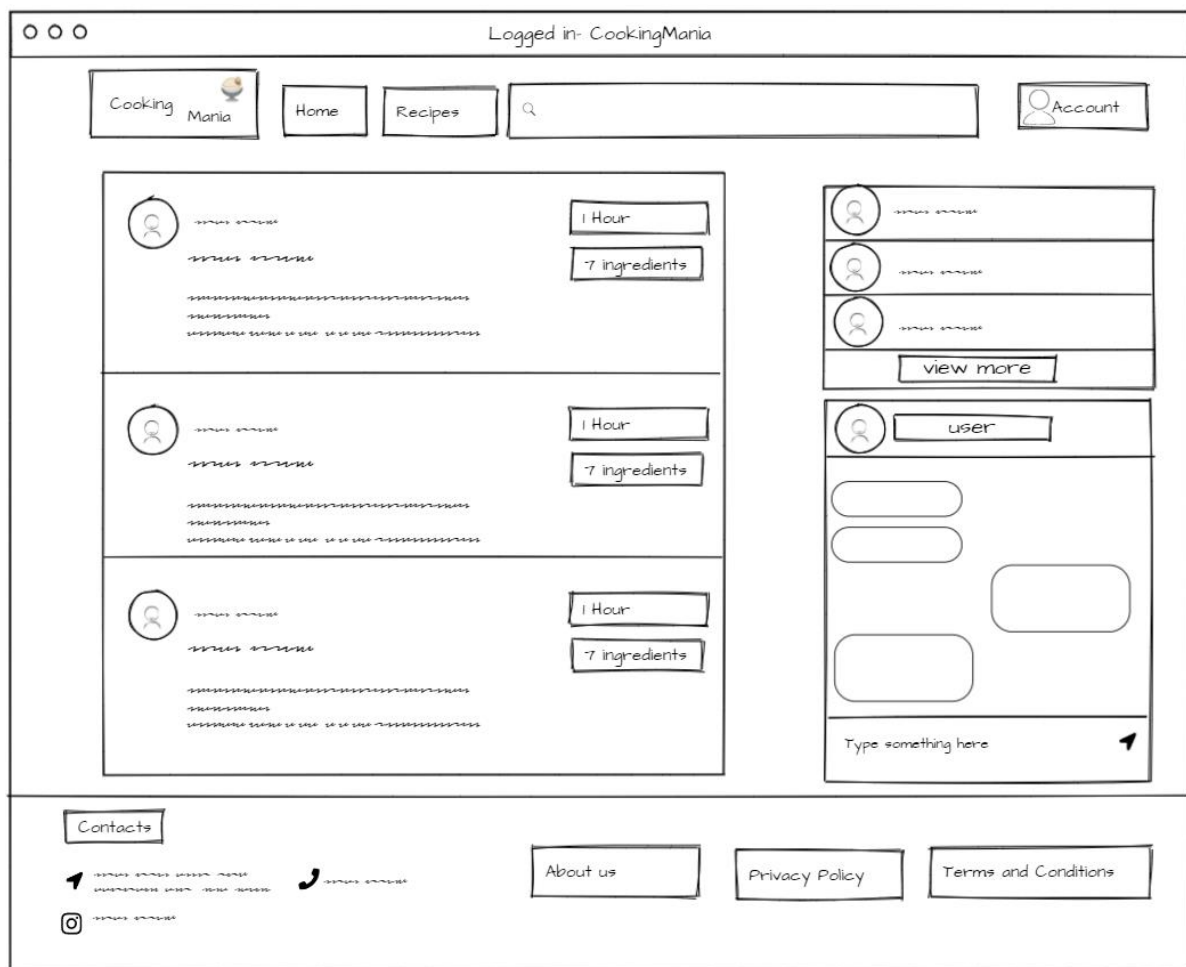
The image above demonstrates what the register page will look like when a user presses the sign-up button, the input fields available are username, email, password if all input fields are filled correctly, once the register button is pressed a new id is generated along with storing details in the SQL database, this is done without loading the page.

Login Page



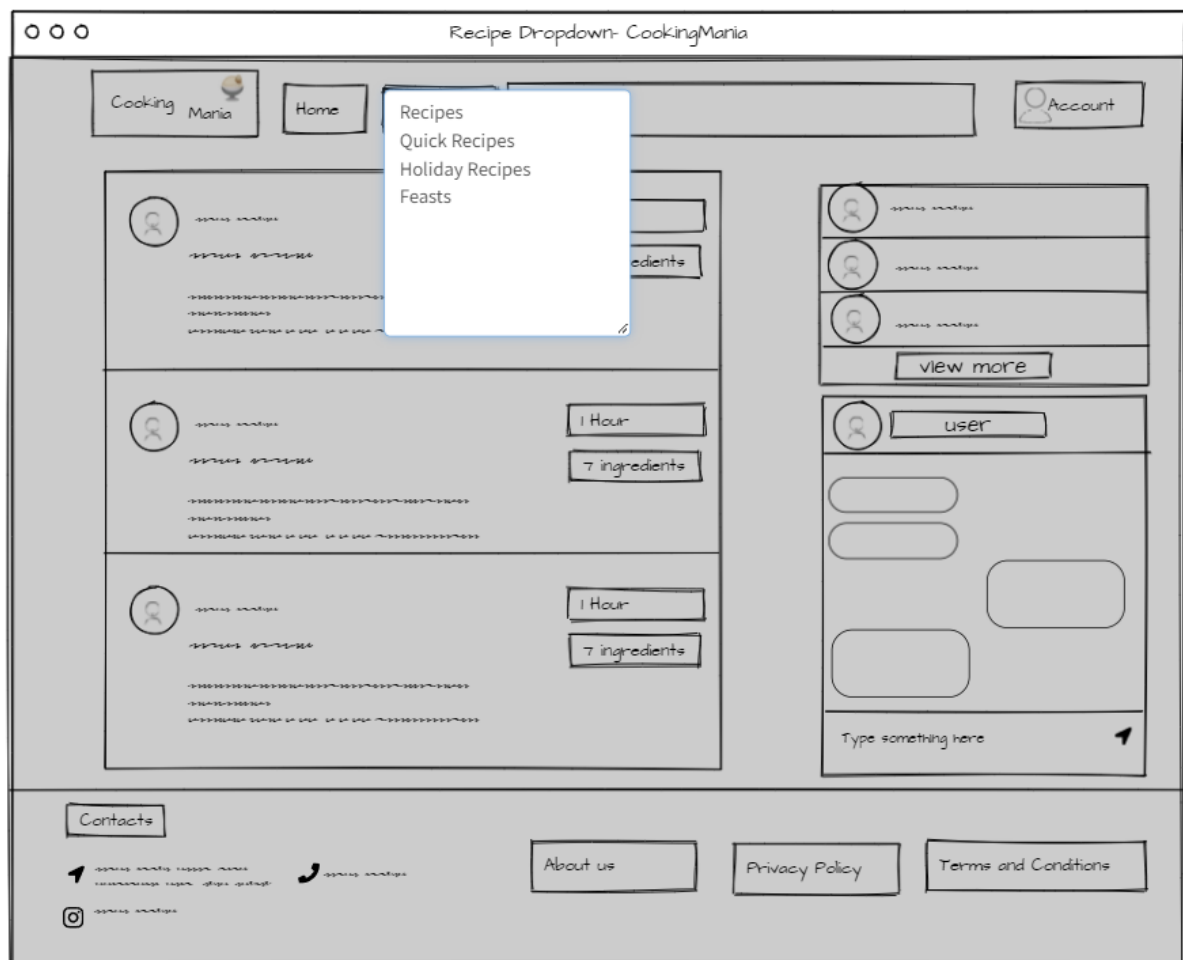
On the login page for a user to view the global chat or recipe details, they must be logged in otherwise user will be redirected to the main home page, if user logs in successful a user session will be created.

Logged in



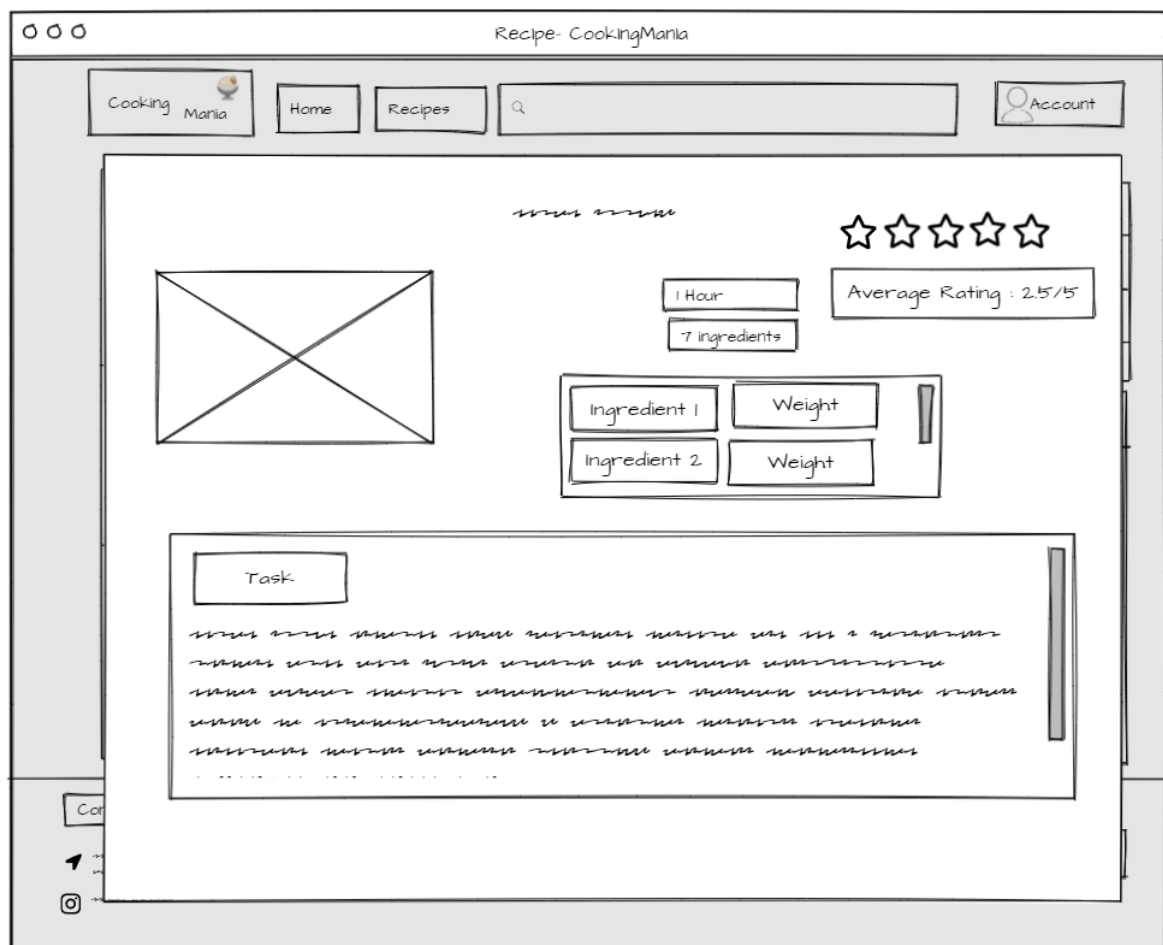
The image illustrated above is what is predicted for the logged in page to look like, there shall be a global chat tab, the most recent post on the top with little indications of what each post entails of, this includes the user who posted the recipe the length of time it takes ingredient quantity, name of the recipe and the steps to successfully cook the recipe, on top of the chat there will be profiles that one click to view your friend list.

Recipe dropdown

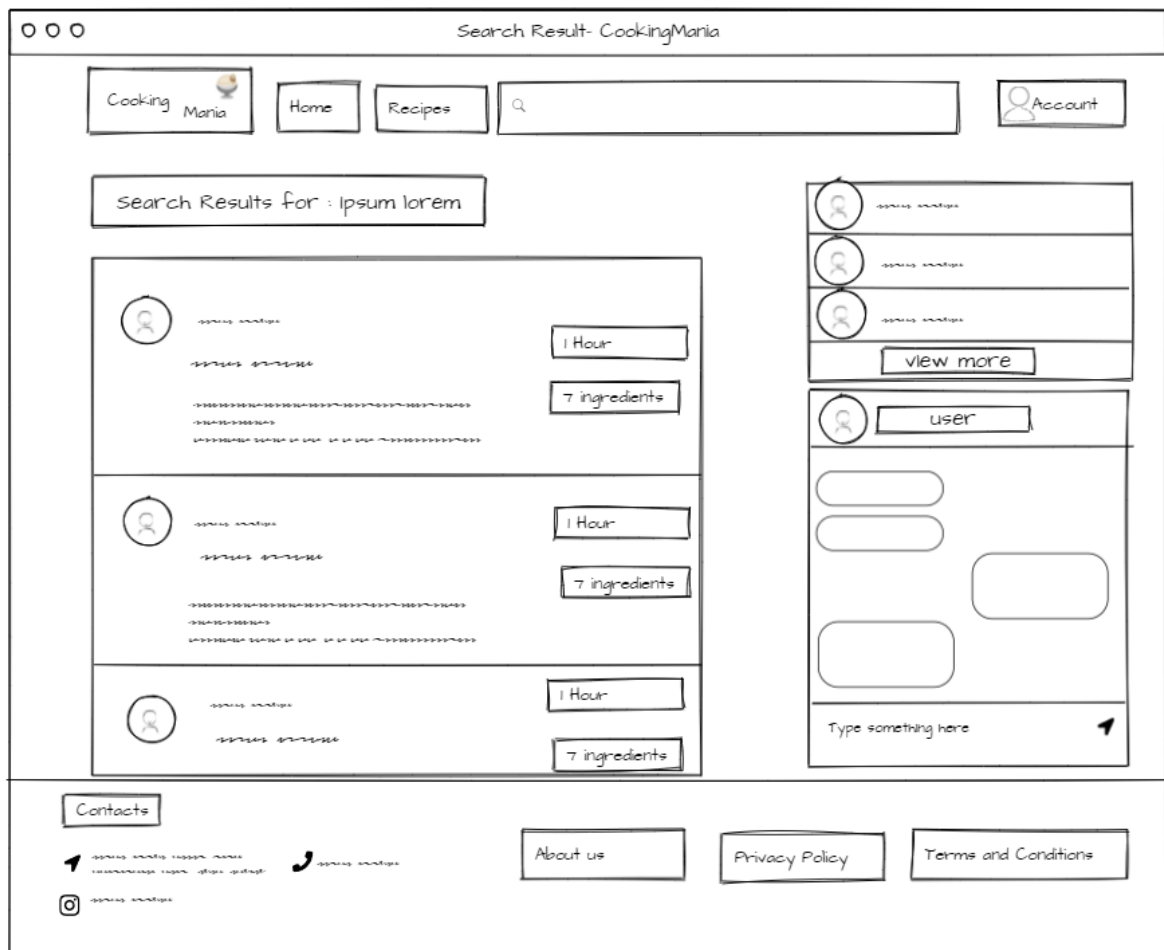


In this single web application, there will also be a dropdown with suggestion of categories of recipes to cook, although these are just initial ideas, it would be ideal to give select a category they would like to post their recipe in to further refine the websites functionality.

Recipe Page

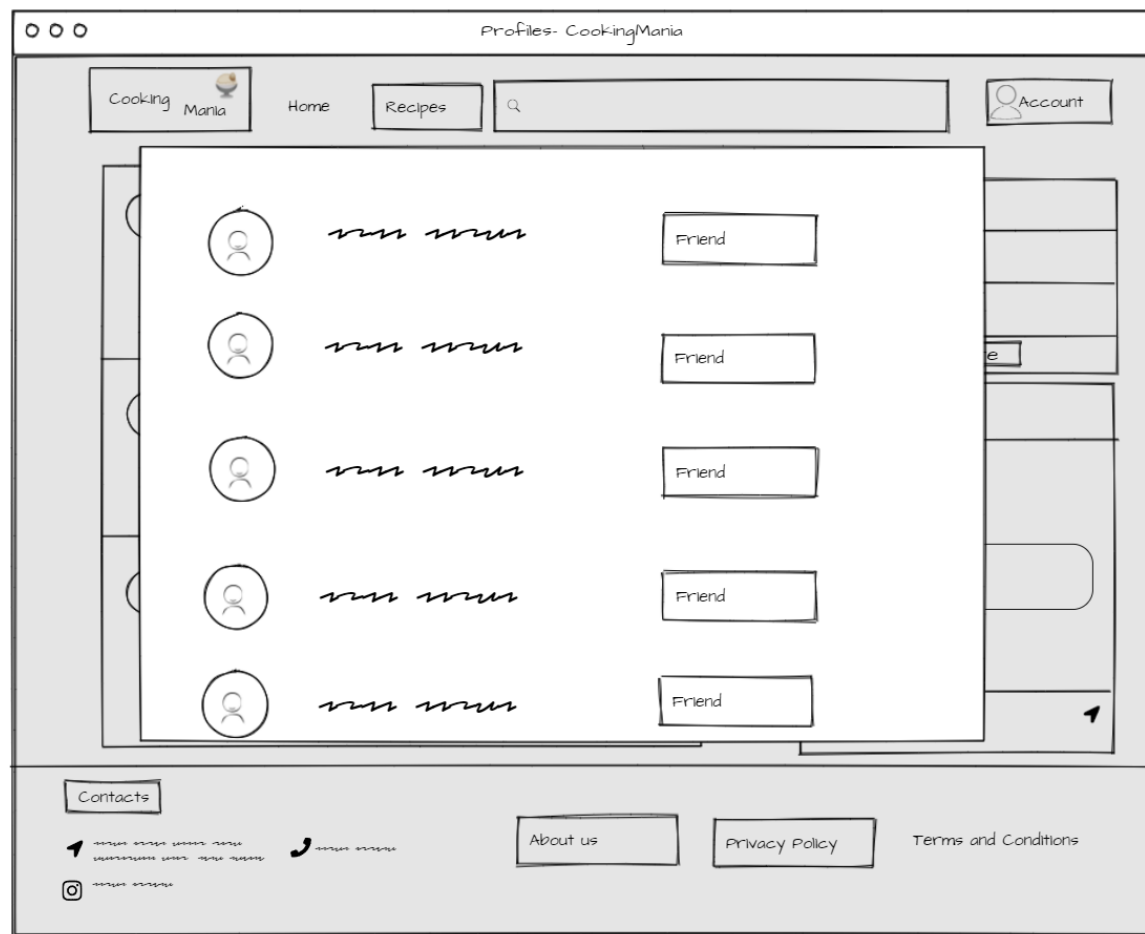


If the users click on the recipe name, they will be prompted with the recipe in more details the name would be centres in the box with the image on the side, if the user has attempted the recipe, they can leave they star review. User can also view the average like to dislike rate by reading the average rating of other users on this recipe The ingredients are displayed on top of the step-by-step guide.



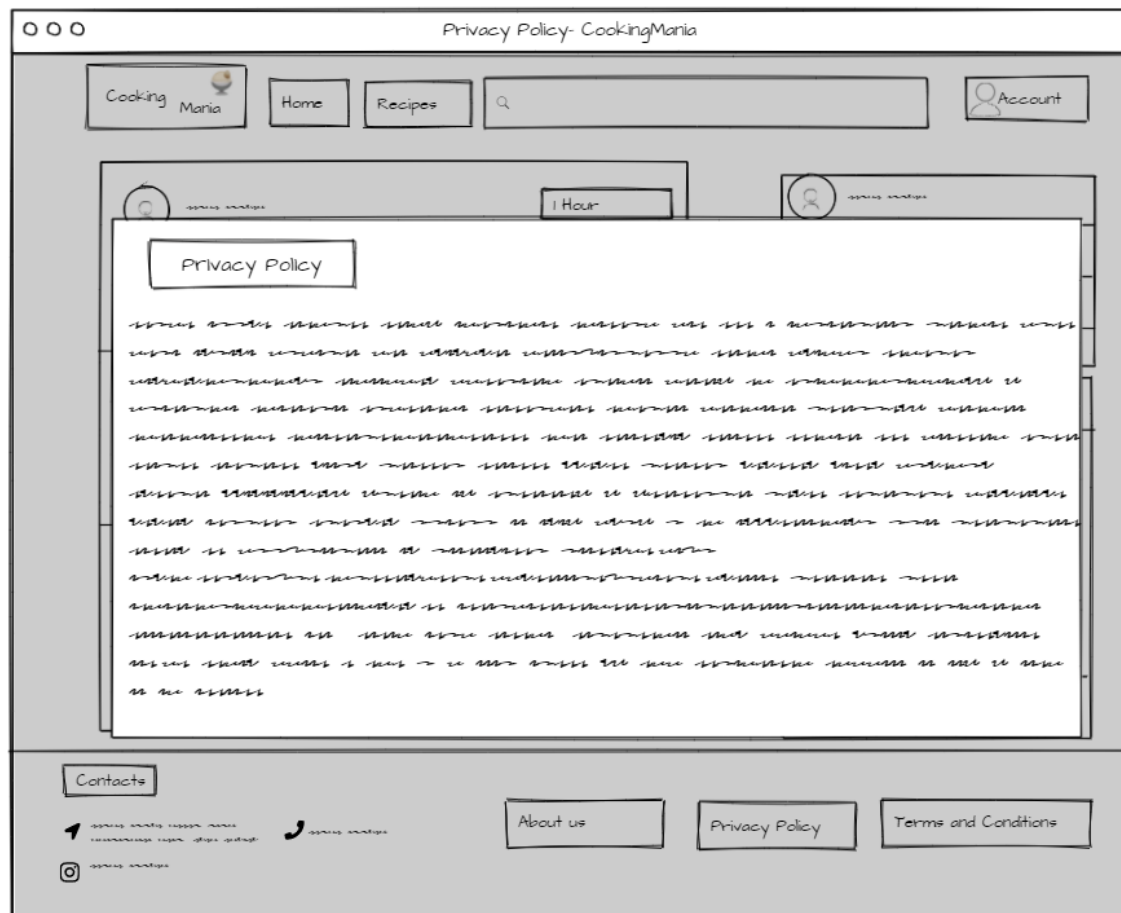
The user can search for certain recipes through the search engine whereby recipes with the same name will be displayed to the user.

Friends



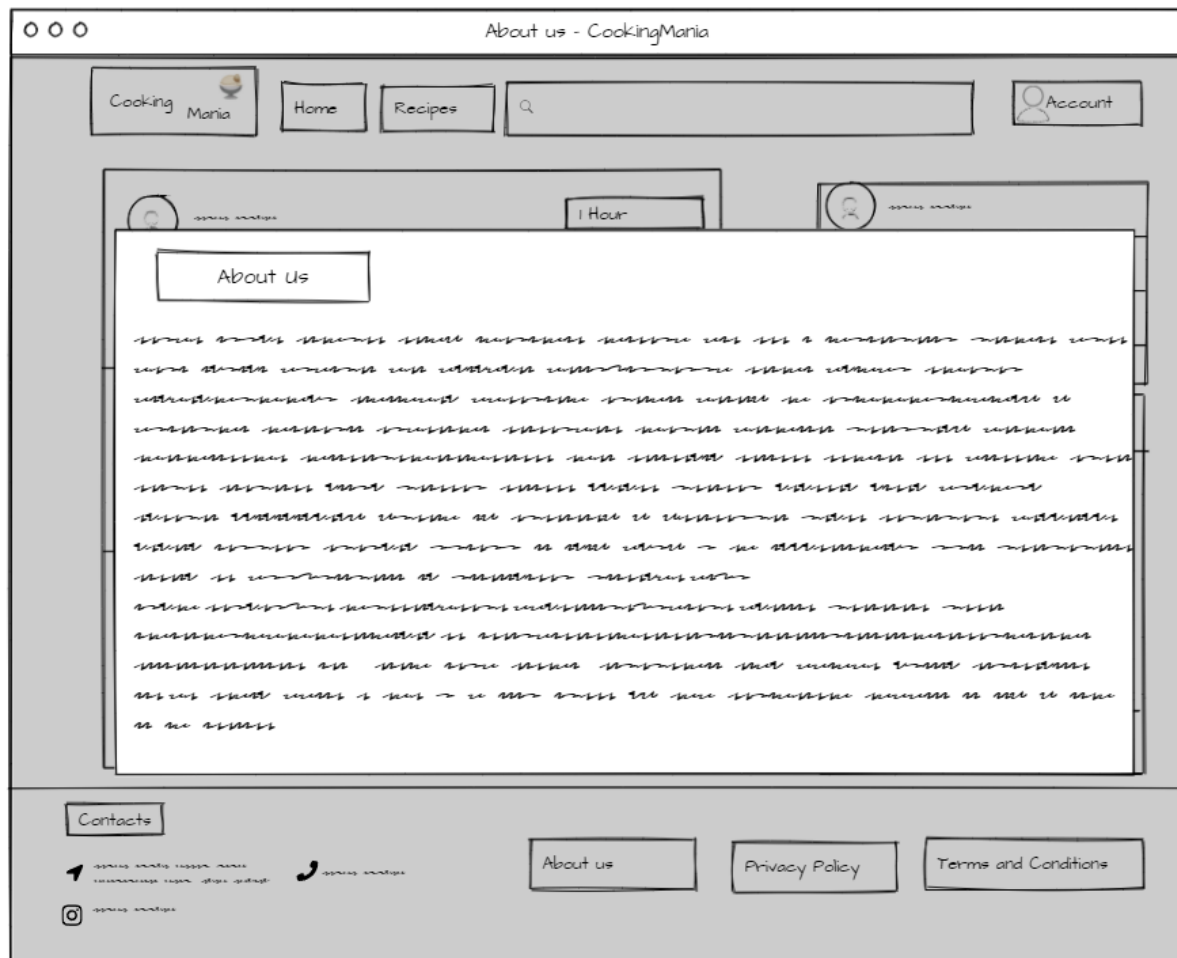
On top of the chat box users can click on the display more button which will in turn display all their friends in one list.

Privacy Policy



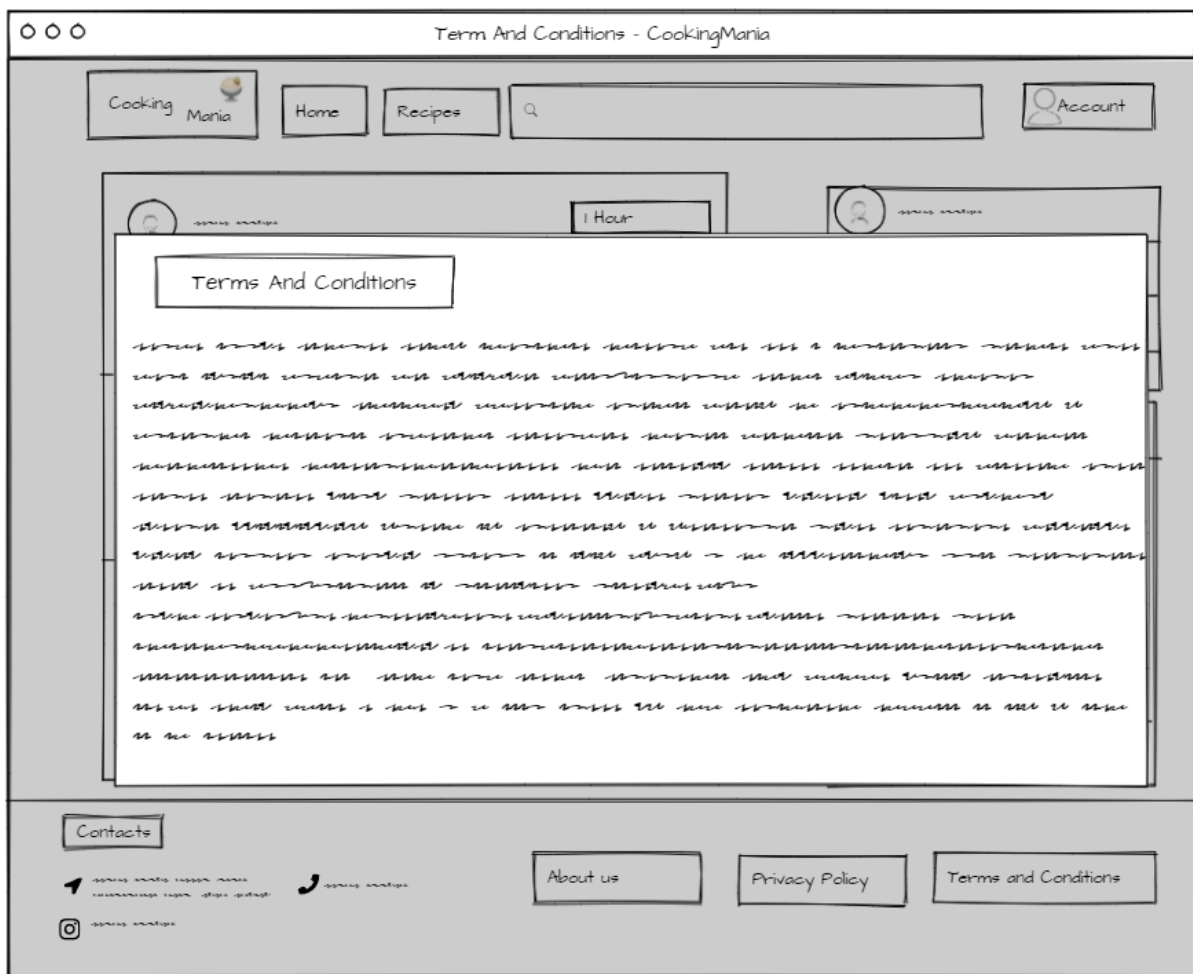
It is crucial for CookingMania to maintain their customers' right to inform them on what customer data is being taken and if or how their data is being used, in this case although CookingMania does have a link in the footer that leads to a privacy policy page it is currently blanked as it is good practice to consult a lawyer before drawing form that involves legalities.

About us page



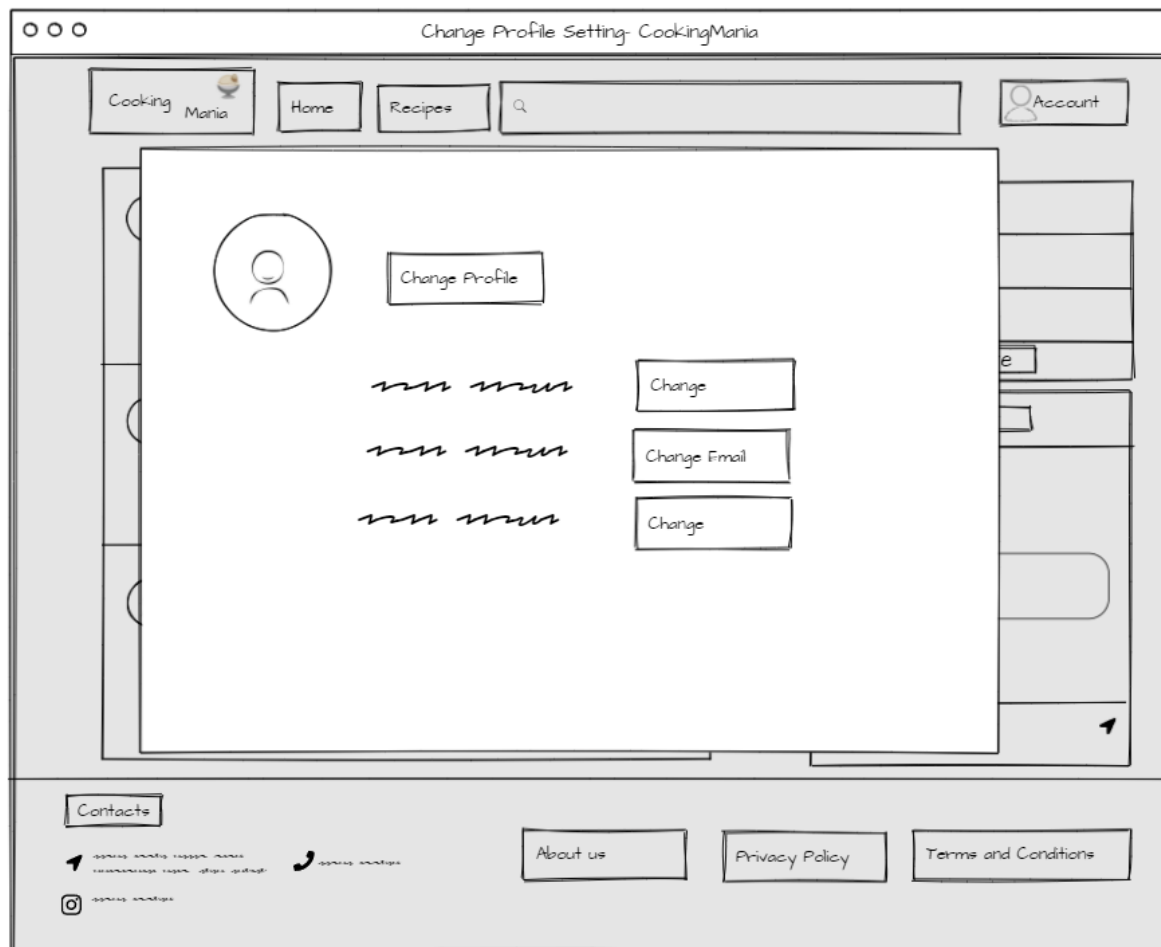
The page above displays the about us page, given there is no marks for this as per university mark scheme nor a community behind not much thought has been given into creating a page, thus the box is filled with ipsum lorem.

Terms and conditions



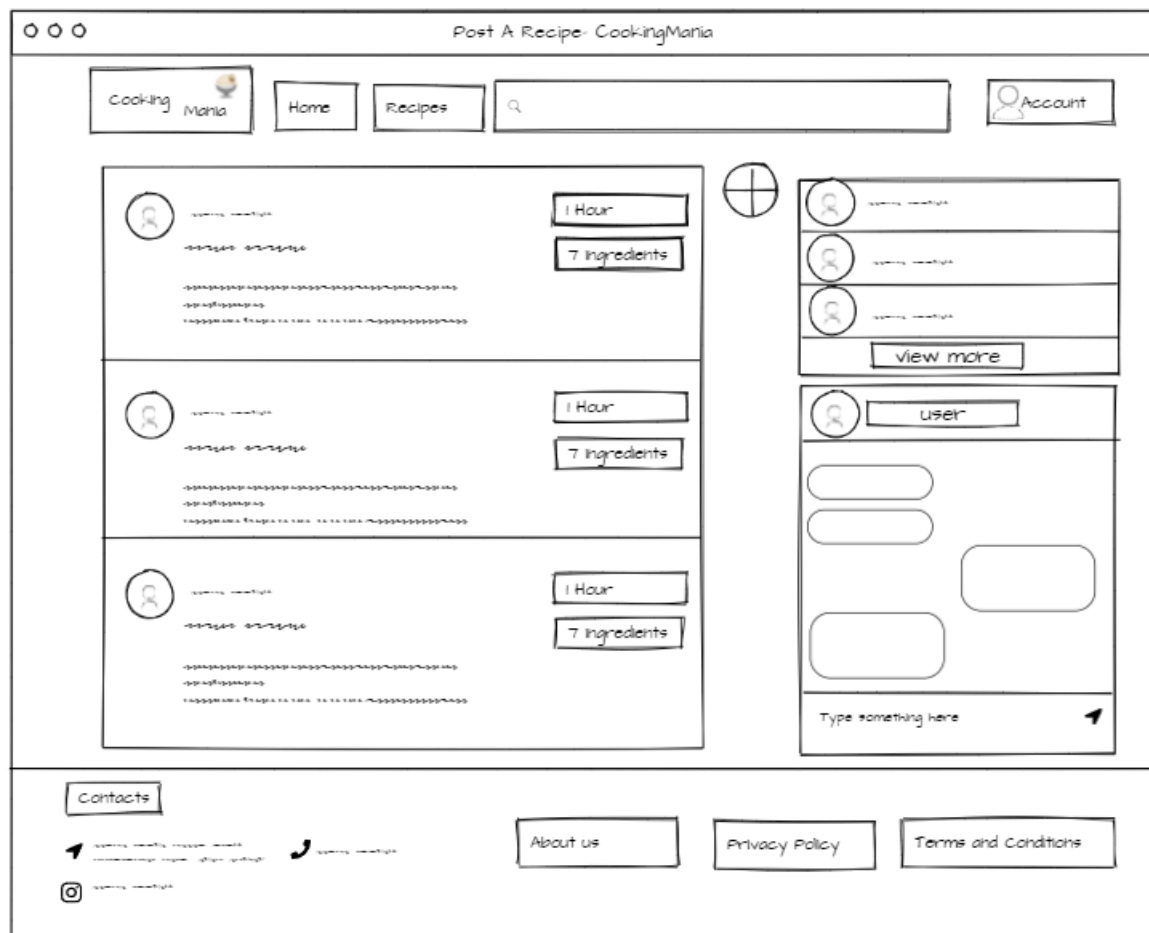
The page above displays the terms and condition of this website.

Updating customer details



If user wishes to change their profile details; they can do so by clicking on account, they can change their username, email, password as well upload a new picture.

Posting a recipe



To post a recipe the user will have plus button on the top, if clicked on it the below screenshot demonstrates what the user should be expecting.

The input field that says recipe name is where the user should type the recipes' name, if they decide to add more than one ingredient they can click on the add button which will lead to another input box for the ingredient name and the weight, the numbered box on the right hand side of the plus box will increment or decrement based on whether the user adds or removes an ingredient from the list. Below this there is a text field where each time user enters a new bullet point is created to ease the legibility of the text and lastly user can also upload an image of their choice.

Screenshots

DataDump

The following is the command line to take a data dump, this data dump has been provided in the file in the main folder under the name `cooking_mania_database.sql`

```
Select XAMPP for Windows

Your MariaDB connection id is 21
Server version: 10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use cooking_mania
ERROR 1049 (42000): Unknown database 'cooking_mania'
MariaDB [(none)]> use cookingmania
Database changed
MariaDB [cookingmania]> SHOW COLUMNS FROM testimonials;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int(11) | NO   | PRI | NULL    | auto_increment |
| comment | text   | NO   |     | NULL    |                 |
| user_id | int(11) | NO   | MUL | NULL    |                 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.011 sec)

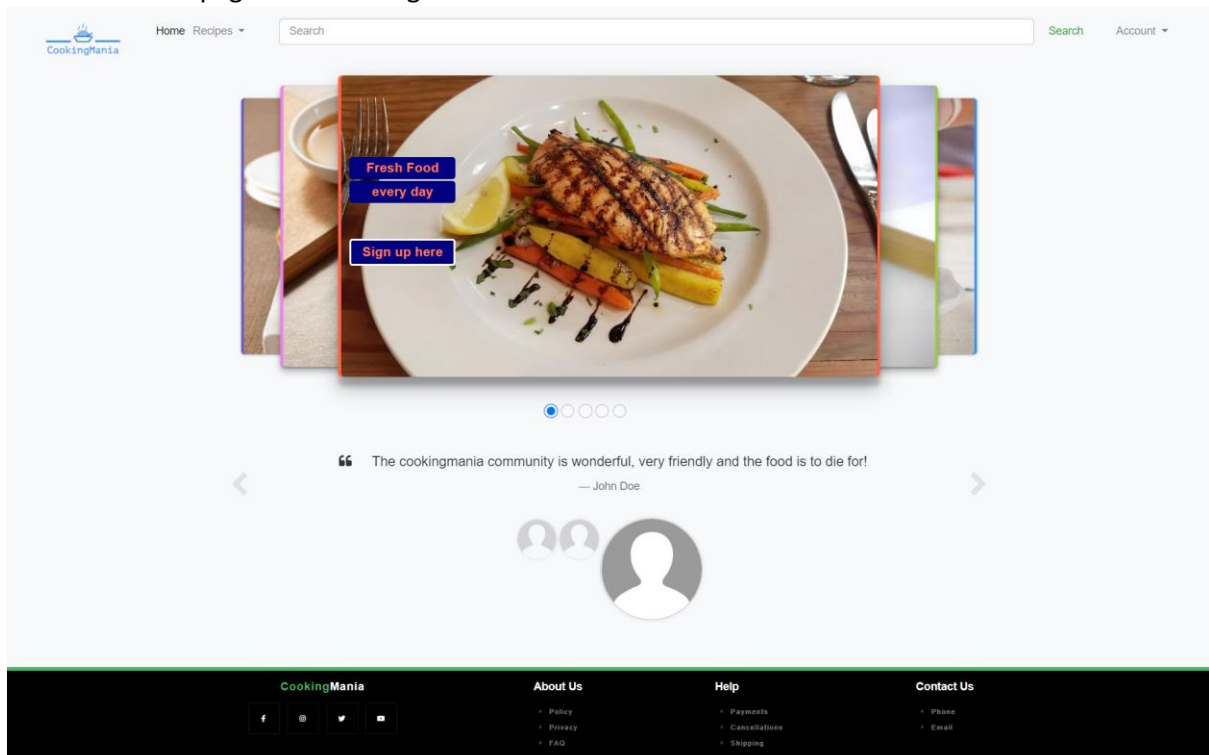
MariaDB [cookingmania]> exit
Bye

Silvi@LAPTOP-QVGFSTN3 c:\xampp
# mysqldump -u root -p cookingmania > cooking_mania_database.sql
Enter password:

Silvi@LAPTOP-QVGFSTN3 c:\xampp
#
```

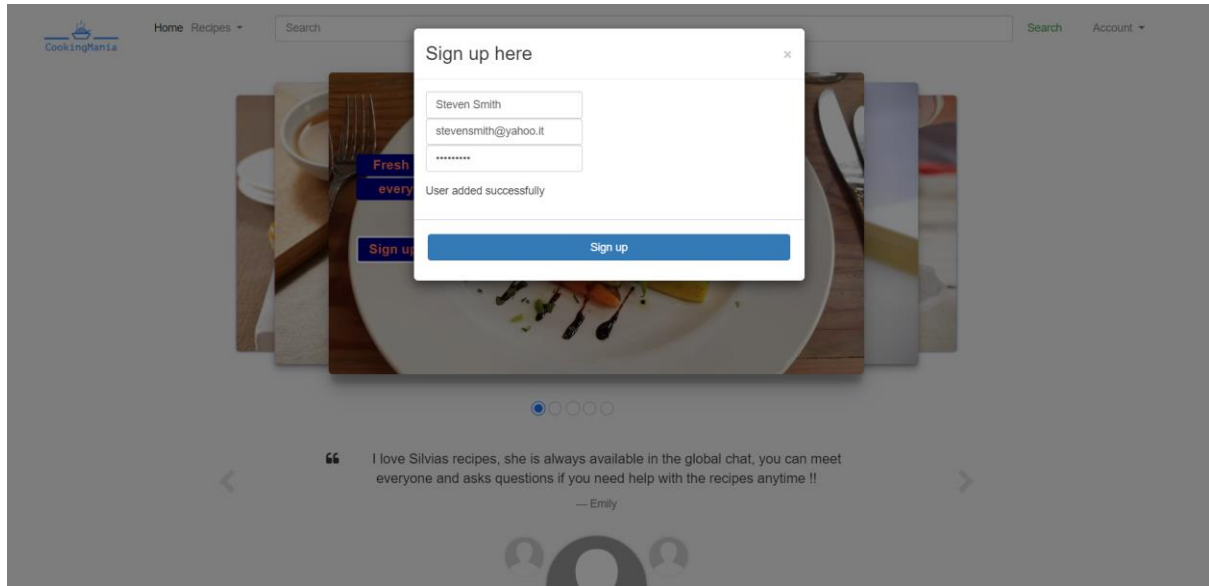
Front page

This is the front page with a sliding banner.



Registration

Ajax has been used load the success message when user has been successfully registered



The data in the database is stored as such :

cookingmania\cookingmania\users\ - HeidiSQL 11.3.0.6295

File Edit Search Query Tools Go to Help

Database filter Table filter Host: 127.0.0.1 Database: cookingmania Table: users Data TETS.sql*

cookingmania: 224.0 KiB

- cookingmania
 - chats 32.0 KiB
 - comments 32.0 KiB
 - ingredients 32.0 KiB
 - posts 48.0 KiB
 - profiles 32.0 KiB
 - testimonials 32.0 KiB
 - users 16.0 KiB
- information_schema
- mysql
- performance_schema
- phpmyadmin
- test

cookingmania.users: 5 rows

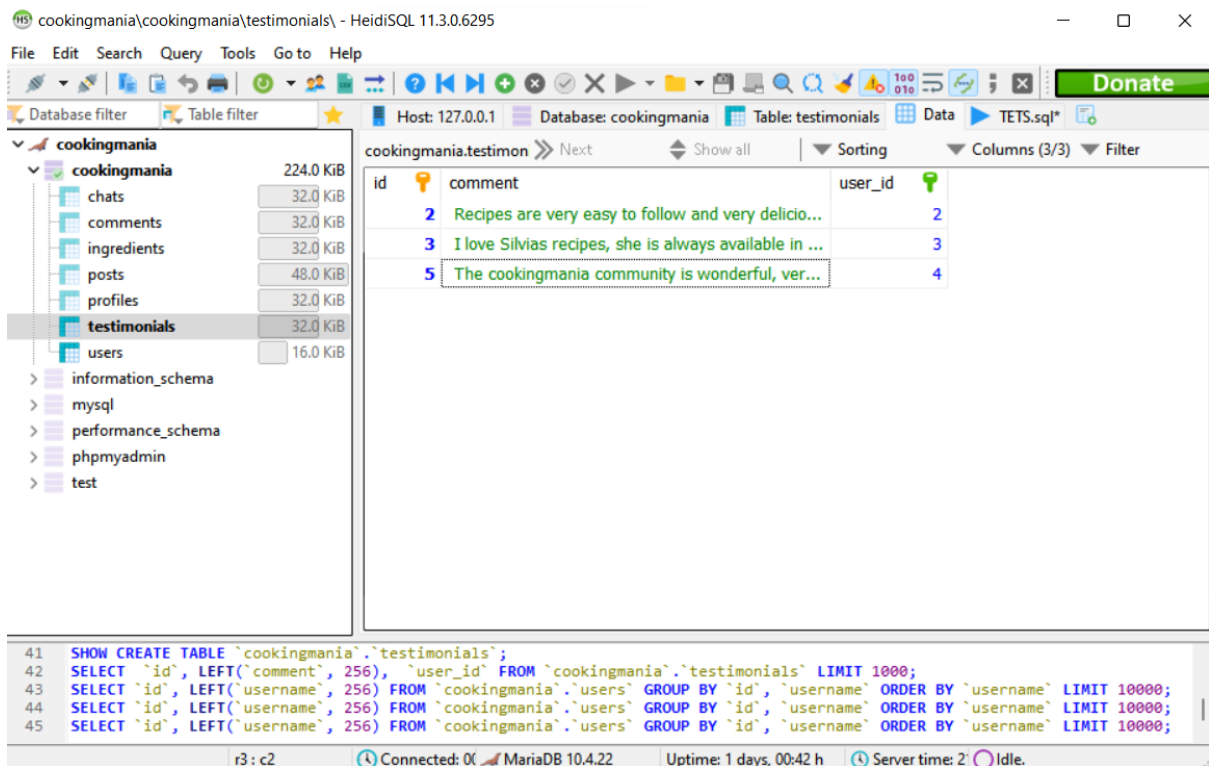
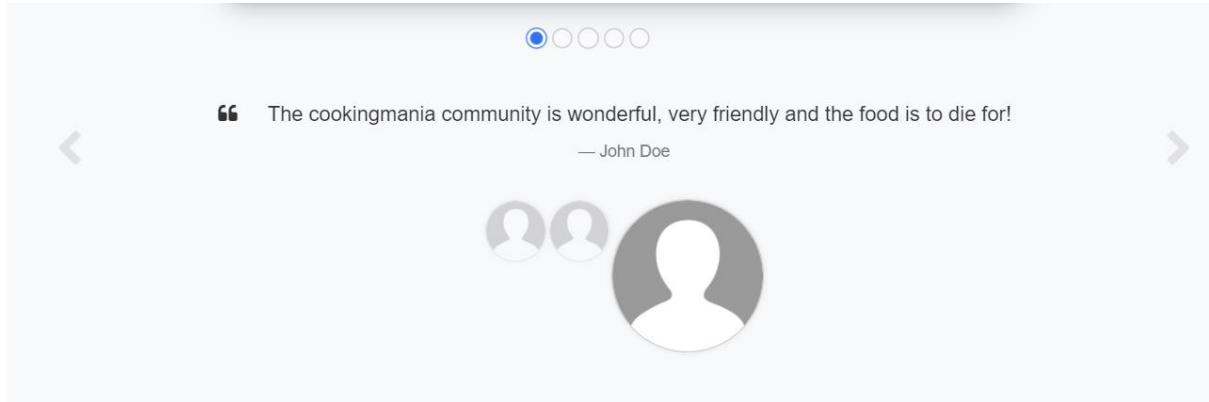
id	username	email	password	posts
5	Steven Smith	stevensmith@yahoo.it	Steven123	0
1	Silvia Aminul	sa3046@live.mdx.ac.uk	1234	2
4	John Doe	john doe@example.com	john123	0
3	Emily	emily@yahoo.it	2424	3,494
2	Bobby Brown	bobbybrown@hotmail.com	24442	300

```
36 SELECT `id`, LEFT(`username`, 256), LEFT(`email`, 256), LEFT(`password`, 256), `posts` FROM `cookingmania`.`users` ORDER
37 SHOW CREATE TABLE `cookingmania`.`testimonials`;
38 SELECT `id`, LEFT(`comment`, 256), `user_id` FROM `cookingmania`.`testimonials` LIMIT 1000;
39 SHOW CREATE TABLE `cookingmania`.`users`;
40 SELECT `id`, LEFT(`username`, 256), LEFT(`email`, 256), LEFT(`password`, 256), `posts` FROM `cookingmania`.`users` ORDER
```

r1: c1 Connected: 0 MariaDB 10.4.22 Uptime: 1 days, 00:39 h Server time: 2 Idle.

Testimonials

The testimonials are loaded straight from the database the code for this is available in the client.js files



Html Checker

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for contents of text-input area

Checker Input

Show ☒ source ☐ outline ☐ image report

Check by ☒ text input ☐ css

```
<!doctype html>
<html lang="en">

<head>
<title> Cooking Mania </title>

<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- css link -->
<link rel="stylesheet" href="/css/style.css">
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.css"
```


Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Document checking completed. No errors or warnings to show.

Source

```
1. <!doctype html>+
2. <html lang="en">+
3. +
4. +
5. <head>+
6. <title> Cooking Mania </title>+
7. +
8. <!-- Required meta tags -->+
9. <meta charset="utf-8">+
10. <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">+
11. +
12. <!-- css link -->+
13. <link rel="stylesheet" href="/css/style.css">+
14. <!-- Bootstrap CSS -->+
15. <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.css">+
16. integrity="sha384-ggYyR9dbqcrfllwT/bZbvp7bzvY6rpe3fj0PZbYXJpwABSM6XvqBZa3F48A6" crossorigin="anonymous">+
17. +
18. <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0/dist/css/bootstrap.min.css" rel="stylesheet">+
19. +
20. <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"></script>+
21. <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.min.js">+
22. integrity="sha384-AteeghvziPgbyLzUfQ0UolNWQ9qvBt02P5LfdrUhDA04Q6rmopbbm2866P2q3" crossorigin="anonymous">+
23. </script>+
24. <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.3/css/bootstrap.min.css">+
25. integrity="sha384-ZugqIg8X9t8zNfE2a6v19ta6N9AS1I11+r9oVYfzS7f8r9oqh9fz57lQPO" crossorigin="anonymous">+
26. +
27. <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>+
28. <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.0/umd/popper.min.js"></script>+
29. <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-beta.3/js/bootstrap.min.js"></script>+
30. +
31. <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">+
32. <script src="https://kit.fontawesome.com/7b395a88c.js" crossorigin="anonymous"></script>+
33. +
34. <!-- dropdown menu -->+
35. <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.min.js">+
36. integrity="sha384-AteeghvziPgbyLzUfQ0UolNWQ9qvBt02P5LfdrUhDA04Q6rmopbbm2866P2q3" crossorigin="anonymous">+
37. </script>+
38. +
39. <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/css/bootstrap.min.css">+
40. <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.4.0/css/font-awesome.min.css">+
41. <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/2.1.3/jquery.min.js"></script>+
42. <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.5/js/bootstrap.min.js"></script>+
43. +
44. +
45. +
46. +
47. +
48. +
49. </head>+
50. <body>+
51. +
52. <!-- nav -->+
53. <nav class="navbar navbar-expand-lg navbar-light bg-light">+
54. <div class="container-fluid d-flex flex-row justify-content-between">+
55. <div class="me-left d-inline-flex">+
56. <a class="navbar-brand" href="home.php"></a>+
57. <div class="collapse navbar-collapse" id="navbarSupportContent">+
58. <ul class="navbar-nav me-auto mb-2 mb-lg-0">+
59. <li class="nav-item">+
60. <li class="nav-link active" aria-current="page" href="home.php">Home</a>+
61. </li>+
62. <li class="nav-item">+
63. <li class="nav-item dropdown">+
64. <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown">+
65. <div class="dropdown-menu">+
66. <a class="nav-link dropdown-item" href="quickrecipes.php">Quick Recipes</a></li>+
67. <a class="nav-link dropdown-item" href="holidaysrecipes.php">Holiday Recipes</a></li>+
68. <a class="nav-link dropdown-item" href="feasts.php">Feasts</a></li>+
69. </div>+
70. </li>+
71. </ul>+
72. </div>+
73. </div>+
74. </div>+
75. </div>+
76. </div>+
77. </div>+
78. </div>+
79. </div>+
80. </div>+
81. </div>+
82. </div>+
83. </div>+
84. </div>+
85. </div>+
86. </div>+
87. </div>+
88. </div>+
89. </div>+
90. <form method="get" action="search.php" class="d-flex">+
91. <input class="form-control me-2" type="search" placeholder="Search" id="SearchInput" name="name1">+
92. <button class="btn btn-outline-success" type="submit" id="SearchButton">Search</button>+
93. </form>+
94. </div>+
95. <div class="m-right">+
96. <div class="collapse navbar-collapse"></div>+
97. <ul class="navbar-nav me-auto mb-2 mb-lg-0">+
98. <li class="nav-item dropdown">+
99. <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown">+
100. <div class="dropdown-menu">+
101. <a class="nav-link dropdown-item" href="login.html">Login/Logout</a></li>+
102. <a class="nav-link dropdown-item" href="register.html">Register</a></li>+
103. </div>+
104. </li>+
105. </ul>+
106. </div>+
107. </div>+
108. </div>+
109. </div>+
110. </div>+
111. </div>
```

CSS Validation



The W3C CSS Validation Service

W3C CSS Validator results for TextArea (CSS level 3 + SVG)


Jump to: Validated CSS

W3C CSS Validator results for TextArea (CSS level 3 + SVG)


Congratulations! No Error Found.

This document validates as [CSS level 3 + SVG](#) !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:




```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
    </a>
  </p>
```



```
<p>
  <a href="http://jigsaw.w3.org/css-validator/check/referer">
    
    </a>
  </p>
```

(close the img tag with > instead of /> if using HTML <= 4.01)



Interested in "developing" your developer skills? In W3C's hands-on Professional Certificate Program, learn how to code the right way by creating Web sites and apps that use the latest Web standards. [Find out more!](#)

[Donate](#) and help us build better tools for a better web.

If you like, you can download a copy of this image to keep in your local web directory, and change the XHTML fragment above to reference your local image rather than the one on this server.

If you would like to create a link to this page (i.e., this validation result) to make it easier to re-validate this page in the future or to allow others to validate your page, the URI is:

```
http://jigsaw.w3.org/css-validator/validator$link
or
http://jigsaw.w3.org/css-validator/check/referer (for HTML/XML document only)
```

(Or, you can just add the current page to your bookmarks or hotlist.)

Valid CSS information

```
body, html {
  margin : 0;
  padding : 0;
  height : 100vh;
  background-color : #f8f9fa !important ;
}

.logos {
  margin-top : 1px;
  margin-left : 1px;
  margin-bottom : 1px;
  width : auto;
  max-height : 95%;
}

.header {
  overflow : hidden;
  background-color : black;
  display : flex;
  justify-content : space-between;
  text-align : center;
  height : 65px;
  z-index : 10;
}

.header a {
  font-family : helvetica;
  color : white;
  line-height : 65px;
  text-decoration : none;
  font-size : 16px;
  border-radius : 2px;
}

.header a:hover {
  background-color : grey;
  color : black;
  box-shadow : 0 2px 5px #777777;
  margin-top : 4px;
  margin-bottom : 4px;
}

.header a.active {
  background-color : #c2fbd7;
  text-decoration : underline;
  color : green;
  box-shadow : 0 2px 5px #777;
  margin-bottom : 2px;
  margin-top : 2px;
}

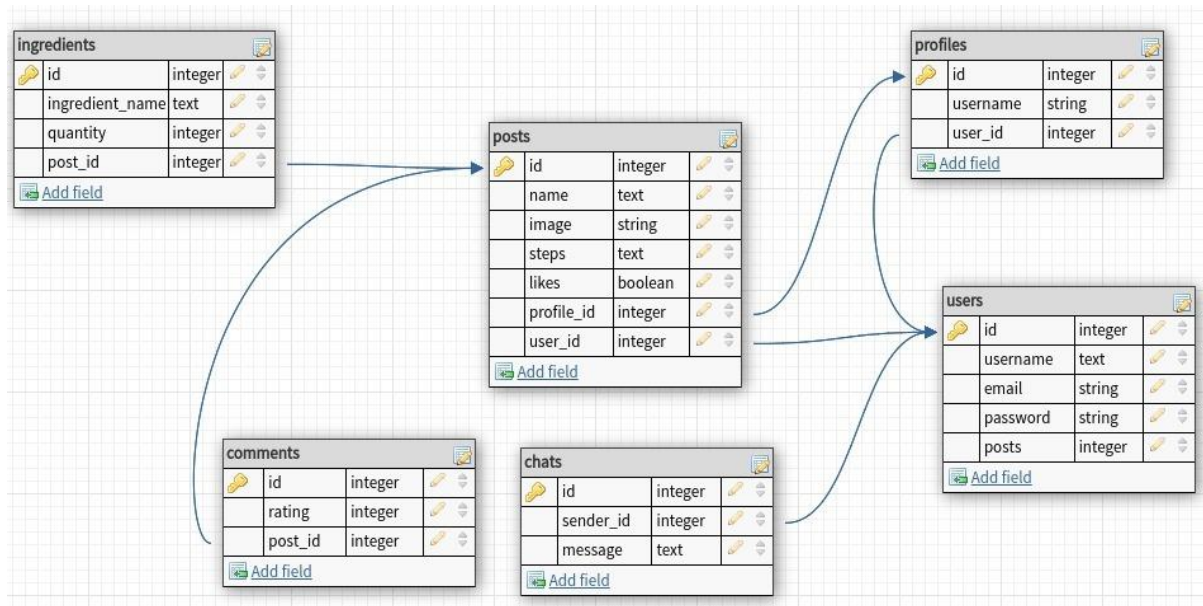
.topnav {
  display : flex;
  gap : 10px;
}

.topnav-right {
  display : flex;
  gap : 10px;
  margin-right : 20px;
}

footer {
  margin-top : 20px;
  left : 0;
  bottom : 0;
  width : 100%;
  background-color : black;
  padding : 10px 20px;
  border-top : 5px solid #4eb060;
}

.footer_container {
  max-width : 1100px;
```

Database



The following database design states:

- One post can have many comments and ingredients
- One profile can have many posts
- One user can have many messages.

Technology

Node.js

Node.js will be used to run JavaScript on the server side of the single page web application, this will be done to ensure that the website's functionalities are smooth and enhance general user experience allowing users to view pages without reloading.

JavaScript

JavaScript will be mainly used to run functions on the single web application.

HTML&CSS

HTML and CSS have been used to develop the front-end of this website; this has contributed to a better user experience and.

Wireframepro

Wireframepro was used to design the front of the page. The same frame was used through copying and pasting to emulate different functionalities of the website.

Dbdesigner

Dbdesigner was used to project how the details in the SQL database would be stored in this web application.

Html Validation

HTML validation was used to ensure there are no errors as an HTML validator has been used

<https://validator.w3.org/> to avoid trivial errors that may potentially affect the single page website if

scaled up in the future, it is crucial to ensure that HTML code comply with the standard of coding in HTML

CSS Validation

In a similar way a CSS validator website has been used <https://jigsaw.w3.org/css-validator/validator> to check for errors as browsers; this essentially reduces the cross-browser compatibility, it is important to ensure that CSS code comply with the standard of coding in CSS.

HeidiSQL

Is a visual database for web application developers to look at what has been stored in the database, in this tool developers can enter dummy data to ensure their code is working properly when extracting their data and ensure data stored matches dummy data datatype or content appropriately.

Conclusion

This report contains initial ideas as to what the web site is going to ideally look like, in the future to complete this project it would be ideal to have more time in hand, the project once completed fully will be uploaded to GitHub under the name SilviaAminul, the following is the link to the page <https://github.com/SilviaAminul> .