SPOON CRAFT: FOOD RECIPE WEBSITE

A MINI-PROJECT REPORT

Submitted by

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BONAFIDE CERTIFICATE

Certified that this mini project **"Spoon Craft : Food Recipe Website"** is the bonafide work of **"NIDARSHANA K S(2116220701185)"** who carried out the project work under my supervision.

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Submitted for the End semester practical examination to be held on_____

INTERNAL EXAMINER   **EXTERNAL EXAMINER**

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ABSTRACT

The proposed recipe sharing website aims to create an innovative platform that allows users to explore, share, and enjoy a diverse array of cuisines. The website will provide extensive recipe collections complete with step-by-step instructions, photos, and videos to guide users through the cooking process. A unique feature of the platform will be the inclusion of detailed nutritional information and health benefits for each recipe, addressing a significant gap found in current recipe sharing sites. To enhance user engagement, the website will incorporate interactive elements such as live cooking classes, discussion forums, and personalized recipe recommendations based on user preferences and dietary needs.

The platform will leverage advanced performance optimization techniques, including the use of Content Delivery Networks (CDNs) and effective caching strategies, to ensure quick load times and a smooth, uninterrupted user experience. This focus on performance will allow users to explore recipes, videos, and other content without delays or lag, enhancing overall satisfaction. Robust security measures will be a top priority, protecting user data and maintaining strict privacy protocols to ensure a safe browsing environment. These security features will instill confidence in users, knowing their personal information is well-guarded.

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CHAPTER 1

INTRODUCTION

1. INTRODUCTION

Spoon Craft-A Food Recipe Website is a comprehensive online platform designed to provide users with easy access to a vast collection of categorized recipes. The website features a user-friendly interface with a login system, allowing users to create personal accounts, and explore new dishes. Recipes are organized into distinct categories for effortless navigation, enabling users to quickly find meals that match their preferences or dietary needs. Whether you're looking for quick weeknight dinners, gourmet meals, or dessert ideas, it offers something for everyone in a seamless, personalized experience.

1.2 SCOPE OF THE WORK

The scope of work for "Spoon Craft" involves creating a user-friendly platform where users can log in to access a wide range of categorized recipes. Each recipe will include detailed information on ingredients, step-by-step cooking methods, and an instructional video to guide users through the preparation process. Users will be able to browse recipes organized into categories such as appetizers, main courses, and desserts, without the need for a search function. The platform will also allow users to save their favorite recipes for future reference, providing a seamless and engaging experience for all culinary enthusiasts.

1.3 AIM AND OBJECTIVES OF THE PROJECT

The goal of "Spoon Craft" is to create an accessible and user-friendly platform where users can easily find and explore categorized recipes. Each recipe will feature a detailed list of ingredients, clear cooking instructions, and an accompanying instructional video to guide users through the process. The platform aims to enhance the cooking experience for everyone, from beginners to seasoned chefs, by offering well-organized and comprehensive culinary content. Ultimately, "Spoon Craft" seeks to simplify meal preparation while encouraging users to expand their culinary skills.

Objectives

1. Simplify Recipe Access: Organize recipes into clear categories, making it easy for users to explore and select dishes without needing a search function.

2. Provide Detailed Recipe Information: Ensure each recipe includes a complete list of ingredients, step-by-step cooking instructions, and a related video to assist users in preparing meals.

3. Enhance User Experience: Implement a secure login system, allowing users to create accounts, view, and save favorite recipes for a personalized experience.

4. Support Learning & Engagement: Offer engaging and easy-to-follow content, helping users improve their cooking skills through visual and written guidance.

CHAPTER 2

SYSTEM SPECIFICATIONS

1. HARDWARE SPECIFICATIONS

Processor   : Intel Core i3 or higher (or equivalent AMD processor)

RAM   : 4 GB or more (8 GB recommended for smoother performance

during development)

Storage   : Minimum 10 GB of free disk space for project files, databases,

and software installations

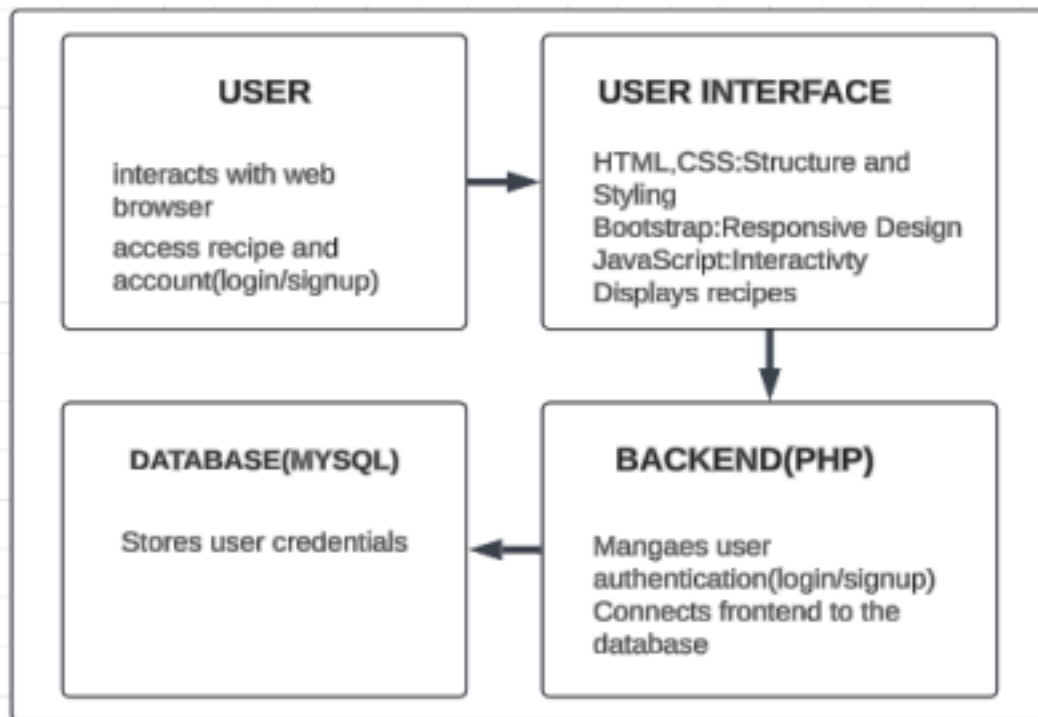### 2. SOFTWARE SPECIFICATIONS

Operating System : WINDOWS 7 AND PLUS

Front – End : HTML, CSS, JAVASCRIPT

Back – End : PHP, MYSQL

CHAPTER 3

ARCHITECTURE DIAGRAM

USER	USER INTERFACE
interacts with web browser access recipe and account(login/signup)	HTML,CSS:Structure and Styling Bootstrap:Responsive Design JavaScript:Interactivty Displays recipes

DATABASE(MYSQL)	BACKEND(PHP)
Stores user credentials	Mangaes user authentication(login/signup) Connects frontend to the database

CHAPTER 4

MODULE DESCRIPTION

4.1 User Authentication Module:

Description: This module manages user registration, login, and session management.

Functionality:

> → Users can create an account by providing necessary details (username, password).
> → Validates user credentials during the login process.
> → Maintains user sessions to allow access to games without needing to log in repeatedly.

4.2 Frontend Module:

Description: Responsible for the visual layout and user interface of the website.

Functionality:

> → Utilizes HTML, CSS, and Bootstrap for responsive design.
> → Implements JavaScript for dynamic content and interactive elements.
> → Displays available recipes and handles user inputs.

4.3 Recipes Modules:

Description: Each section (NonVeg,Veg,Soups,Fish&Sea Food,Main Course,Noodles,Salads,Desserts) is encapsulated within its module.

Functionality:

> → Every module contains food items and recipe details

→ In the recipe page of every food item ingredients,preparation time,cooking time,difficulty level will be mentioned.

→ Start cooking button in the page will redirect to a page where recipe will be displayed

→ Every section has a back button which will to allow users to return to a previous page

4.4 Backend Module:

Description: The server-side component that processes requests and manages data.
Functionality:

→ Implements PHP for server-side scripting.

→ Handles requests from the frontend, including user authentication and game data submissions.

→ Connects to the database to retrieve and store user information and game results.

4.5 Database Module:

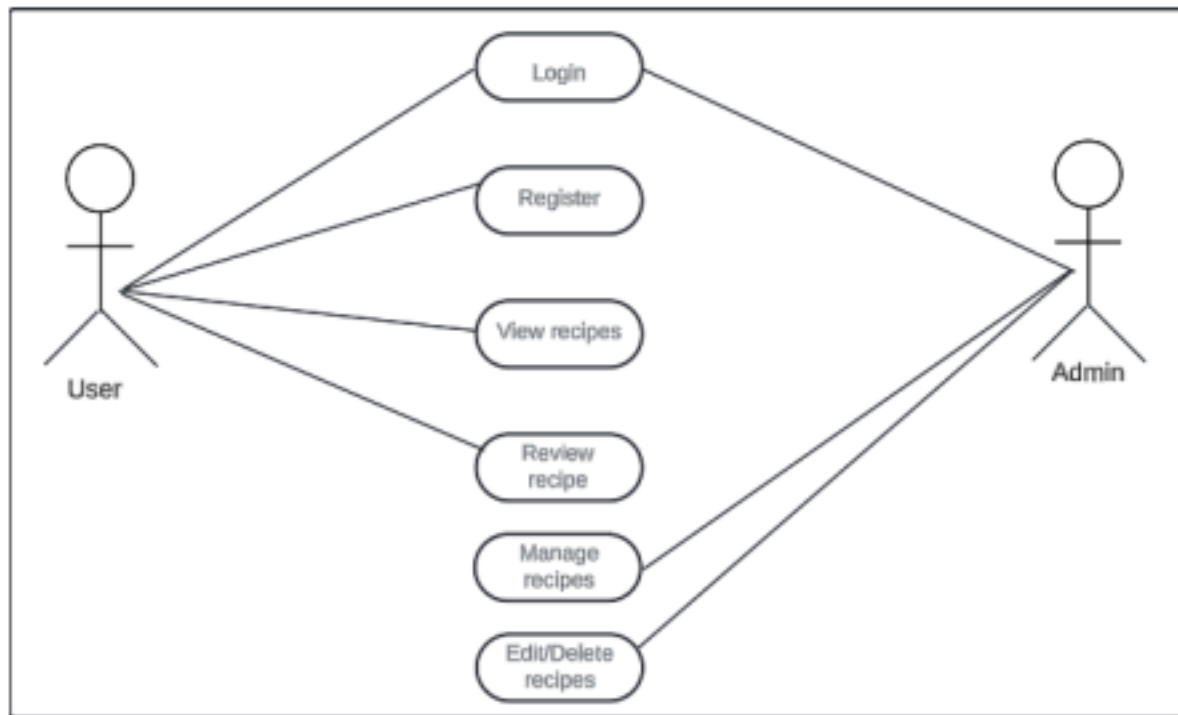Description: A MySQL database that stores user data and game-related information.
Functionality:

→ Maintains user credentials securely.

→ Supports data retrieval for the backend to ensure smooth user interactions.
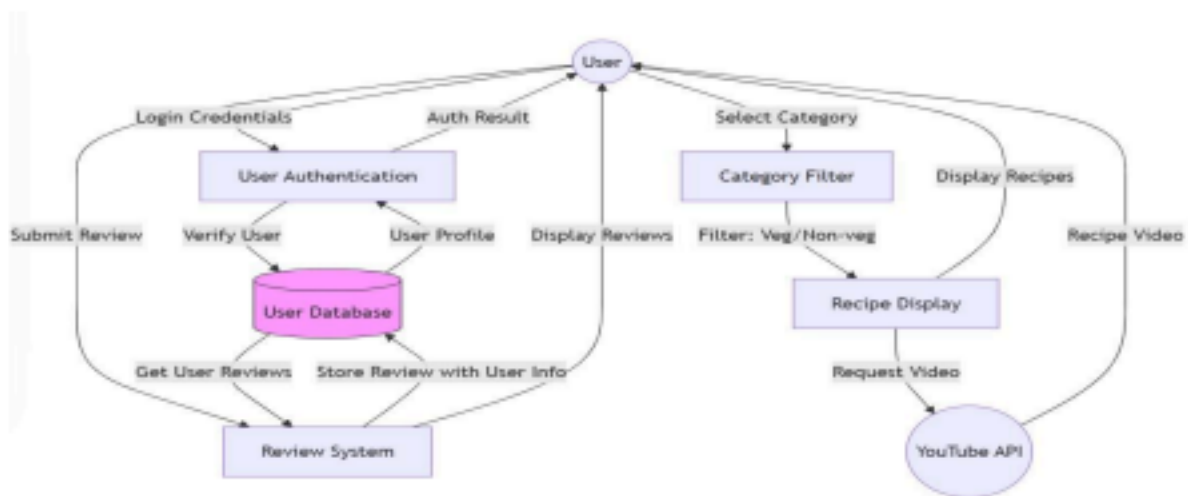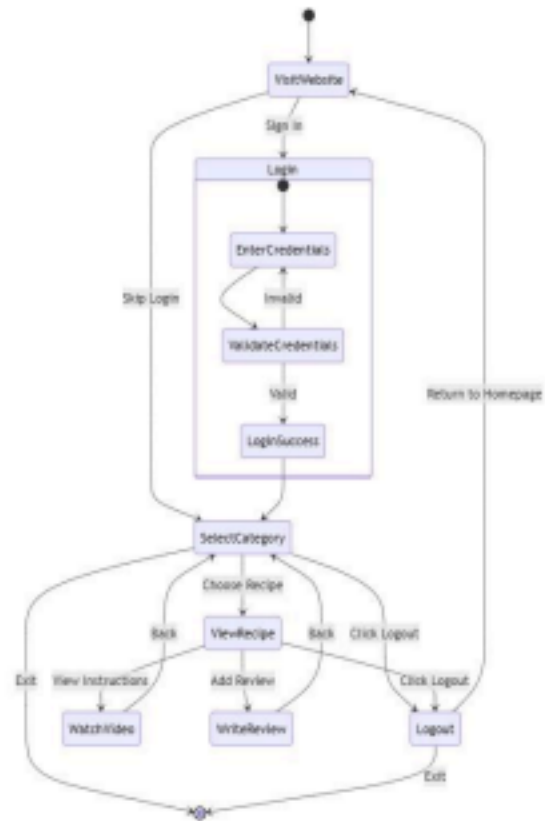
CHAPTER 5

SYSTEM DESIGN

5.1 USE CASE DIAGRAM

5.3 DATA FLOW DIAGRAM

5.4 ACTIVITY DIAGRAM

CHAPTER 6

SAMPLE CODING

HOME PAGE MODULE:

```html
<!DOCTYPE html>
<html>

<head>
    <link rel="stylesheet" href="style.css" />
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0h
oP+VmmDGMN5t9UJ0Z" crossorigin="anonymous" />
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+
IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU
+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8
/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>
    <script src="https://kit.fontawesome.com/ac42c3b1f7.js"
crossorigin="anonymous"></script>
</head>

<body>
    <div id="sectionhome">
        <nav class="navbar navbar-expand-lg navbar-light bg-transparent">
            <div class="container">
                <a class="navbar-brand" href="#">
```

```html
            <img
src="https://i.pinimg.com/736x/3a/79/ee/3a79ee5106ead202550fa9116bde00c8.j
pg" class="food-munch-logo" />
        </a>
        <button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup"
aria-expanded="false" aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
          <div class="navbar-nav ml-auto">
            <a class="nav-link active" id="navItem1"
href="#featuredreceipesSection">
                Featured receipes
                <span class="sr-only">(current)</span>
            </a>
            <a class="nav-link" href="#trendingreceipesSection"
id="navItem3">Trending receipes</a>
            <a class="nav-link" href="#followUsSection"
id="navItem4">Follow Us</a>
            <form class="form-inline my-2 my-lg-0">
          <input class="form-control mr-sm-2" type="search"
placeholder="Search" aria-label="Search">
          <button class="btn btn-outline-success my-2 my-sm-0"
type="submit">Search</button>
            </form>


        <a class="nav-link" href="#profileSection" id="navItemProfile">
          <img src="https://cdn-icons-png.flaticon.com/512/64/64572.png"
class="profile-icon" alt="Profile" style="width:30px;">
        </a>
         <a class="nav-link" href="login.html"
id="navItemLogin">Logout</a>
          </div>
```

```html
        </div>
      </div>
    </nav>
    <div class="banner-section-bg-container d-flex justify-content-center
flex-column">
      <div class="text-center">
        <h1 class="banner-heading mb-3">Recipes that makes every bite
memorable</h1>
        <p class="banner-caption mb-4">From SPOON CRAFT</p>
      </div>
    </div>
    <div class="explore-menu-section pt-5 pb-5"
id="featuredreceipesSection">
      <div class="container">
        <div class="row">
          <div class="col-12">
            <h1 class="menu-section-heading">Featured Receipes</h1>
          </div>
          <div class="col-12 col-md-6 col-lg-3">
            <div class="shadow menu-item-card p-3 mb-3">
              <img
src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-responsive-website/em-ginger-
fried-img.png" class="menu-item-image w-100" />
              <h1 class="menu-card-title">Non-Veg Starters</h1>
              <button class="custom-button"
onclick="display('sectionnonvegstarters')">View Dishes</button>
            </div>
          </div>
      </div>
  </body>
</html>
```
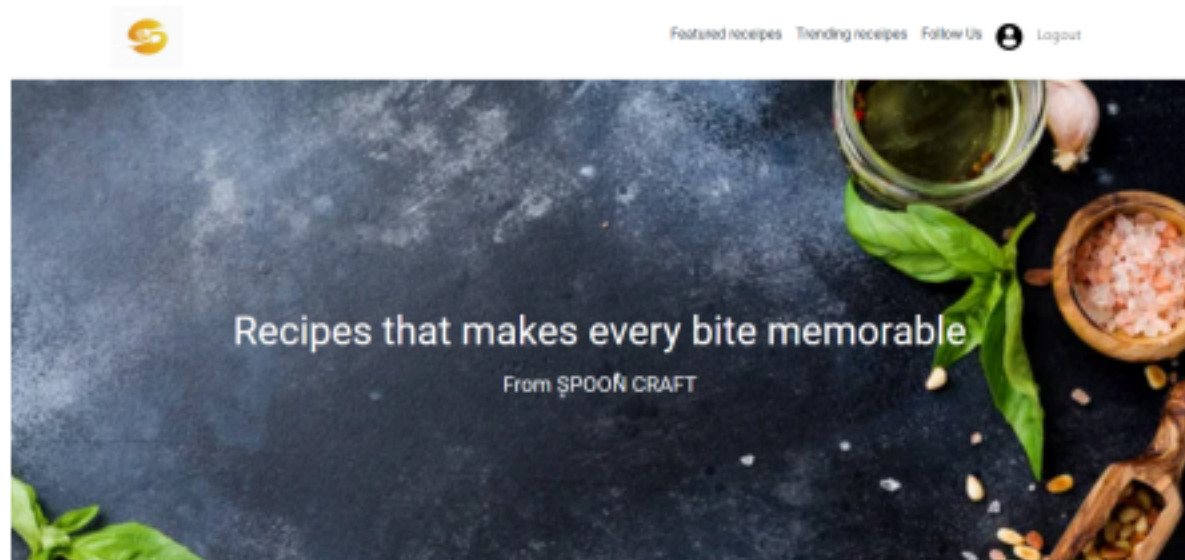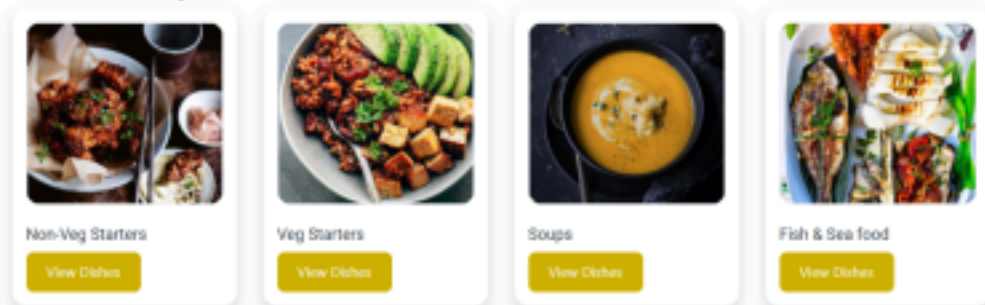
CHAPTER 7

SCREEN SHOTS

Trending Receipes

Main Course

View Dishes

Noodles

View Dishes

Salads

View Dishes

Desserts

View Dishes

Chicken 65

View Recipe

Chilli Chicken

ngredients

- 500g boneless chicken, cut into small pieces
- 2 tbsp ginger-garlic paste
- 1 tsp red chili powder
- 1 tsp turmeric powder
- 1 tsp garam masala
- 1 tbsp cornflour
- 1 tbsp all-purpose flour (maida)
- 1 egg
- Salt to taste
- Oil for frying
- 2-3 green chilies, slit
- Curry leaves for garnish
- 1 tsp lemon juice
- 1 tsp red chili sauce (optional)

Preparation Time	Cooking Time	Difficulty Level
15-20 minutes	20-25 minutes	Medium

Start Cooking

Recipe

1. Marinate the chicken: In a bowl, mix the chicken pieces with ginger-garlic paste, red chili powder, turmeric powder, garam masala, salt, cornflour, all purpose flour, and egg. Let it marinate for at least 30 minutes to an hour.
2. Heat oil: In a deep frying pan, heat enough oil to fry the chicken.
3. Fry the chicken: Once the oil is hot, fry the marinated chicken pieces in batches until golden brown and crispy. Drain on paper towels to remove excess oil.
4. Prepare the tempering: In another pan, heat a little oil. Add slit green chilies and curry leaves, sauteing for a few seconds until aromatic.
5. Toss the chicken: Add the fried chicken to the tempering and toss everything together. Optionally, you can add red chili sauce for an extra kick.
6. Finish and serve: Drizzle lemon juice over the chicken, give it a quick toss, and serve hot as an appetizer or side dish. Garnish with extra curry leaves if desired.

Back

CHAPTER 8

CONCLUSION

The "Spoon Craft" project successfully demonstrates the creation of a dynamic, food recipe website using modern web technologies such as HTML, CSS, JavaScript, PHP, MySQL, Bootstrap. This project integrates user authentication recipe selection , and provides a seamless user experience.

The implementation of responsive design ensures compatibility across various devices, enhancing the platform's accessibility and usability. While the project was created primarily to know about recipes , it showcases important web development skills, including database management, user interface design, and interaction handling. With potential for future expansion, "Spoon Craft" lays a solid foundation for further development, such as enabling users to add new recipes, searching recipes,giving reviews and ratings for each recipe.

Through this project, essential skills in frontend and backend integration, user authentication, and dynamic content rendering have been solidified, creating an engaging and enjoyable recipe sharing platform for users.

REFERENCES

1.HTML , CSS , JS – www.w3schools.com , https://youtu.be/VJKx9uLEpaU

2.PHP, MYSQL – www.youtube.com

3.Font Awesome Icons – www.fontawesome.com