

BloggerSpot

MINI PROJECT REPORT

18CSC311J – WEB DESIGN AND DEVELOPMENT

LABORATORY

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By

Yarlagadda Jayanth Sai – RA2011028010054

Under the guidance of

Dr. K Deepa Thilak

Associate Professor

Department of Networking and Communications



DEPARTMENT OF NETWORKING AND COMMUNICATIONS

FACULTY OF ENGINEERING AND TECHNOLOGY

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

Kattankulathur, Kancheepuram MAY

2023

BONAFIDE

Certified that this Mini project report titled "BloggerSpot" for the course **18CSC311J - WEB DESIGN AND DEVELOPMENT LABORATORY** is the bonafide work of **Jayanth Sai Yarlagadda - RA2011028010054** who undertook the task of completing the project within the allotted time.

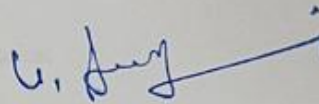



Signature

Dr. K. Deepa Thilak

Course Faculty

Associate Professor
Department of NWC



Signature

Dr. Annapurani Panaiyappan K

Head of the Department

Professor
Department of NWC

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ABSTRACT

The main abstract of this project is to provide a platform for individuals or groups to publish and share their ideas, opinions, and expertise with an online audience. The website typically consists of a collection of blog posts, each containing text, images, and sometimes videos or other multimedia elements. The posts are usually organized by date, category, or tags, and readers can browse and search through the posts to find content that interests them.

CHAPTER 1

INTRODUCTION

1.1 Existing Web Applications:

- WordPress.com-Best free blogging platform
- WordPress.org-Best platform for serious bloggers
- Medium.com-Simple platform for writing
- Blogger.com-Publishing platform by Google
- Tumblr.com-Best microblogging site
- Wix.com-Best blog website builder for beginners
- Ghost.org-Best WordPress alternative
- Postach.io-Blogging powered by Evernote
- Weebly.com-Plain drag and drop builder functions
- Typepad.com-Best for businesses and journalists

1.2 Drawbacks of existing application:

- Limited Customization Options: Many blogging platforms offer limited customization options for users, such as limited design options and restricted access to the website code. This can limit the ability of users to create a unique and personalized blog.
- Cost: While many blogging platforms offer free plans, they often come with limitations such as restricted storage space and limited features. To access more advanced features, users may need to upgrade to a paid plan, which can be expensive.
- Limited Monetization Options: Many blogging platforms offer limited monetization options, such as displaying ads or selling products. This can make it difficult for bloggers to generate income from their blog.
- Restrictions on Content: Some blogging platforms have restrictions on the type of content that can be posted, such as adult content or controversial topics. This can limit the ability of bloggers to express themselves fully and share their opinions.
- Limited Control over Data: Many blogging platforms retain ownership of the data and content posted on their platform, which can limit the ability of users to control their own data

and content.

- **Lack of Community Features:** While many blogging platforms offer the ability to follow and comment on other blogs, they often lack community features such as forums or groups, which can limit the ability of bloggers to connect with other like-minded individuals.

1.3 Project Objectives:

- To provide a platform for individuals or organizations to share their thoughts, ideas, experiences, and expertise with a wider audience.
- To create a community of like-minded individuals who can engage with each other through blog posts and comments.
- To establish a brand identity and online presence for an individual or organization.
- To drive traffic to a website and increase its visibility in search engines by publishing quality and engaging content.
- To generate revenue through advertising, sponsorships, or product sales.
- To establish thought leadership and credibility in a specific industry or niche.
- To educate and inform readers on a particular topic or theme.

CHAPTER 2

SYSTEM ARCHITECTURE

2.1 System Architecture

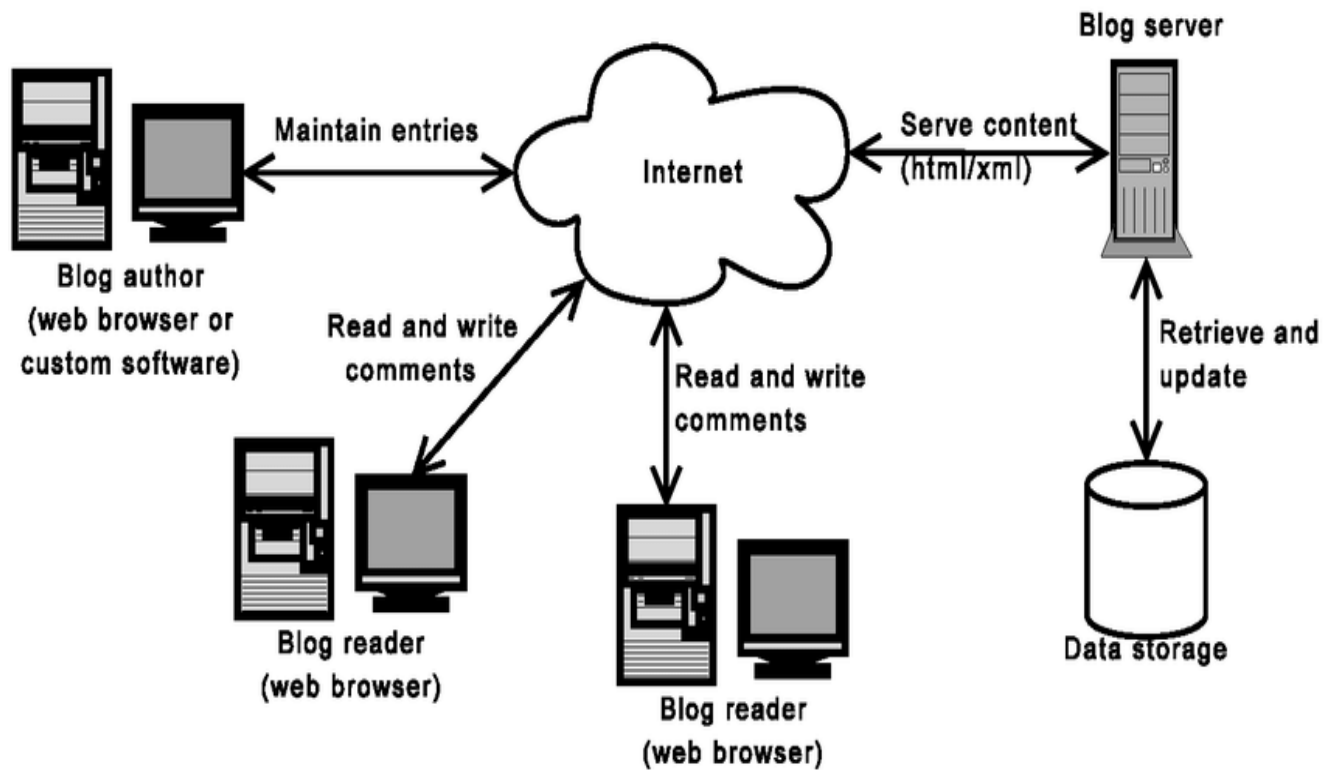


Fig 1: Software Architecture diagram for BloggerStop

2.2 Use Case Diagram

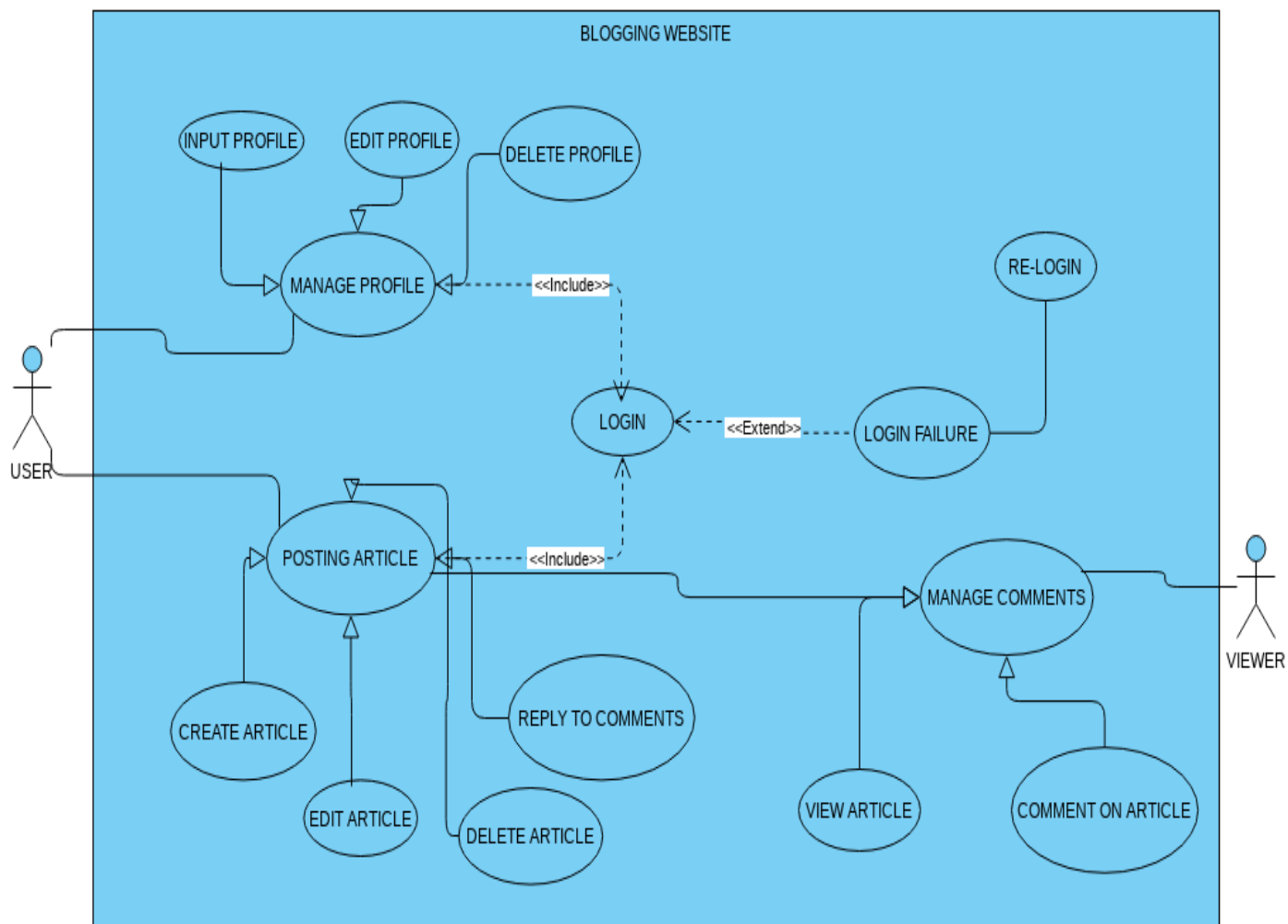


Fig 2: Use case diagram for BloggerStop

2.3 Activity Diagram

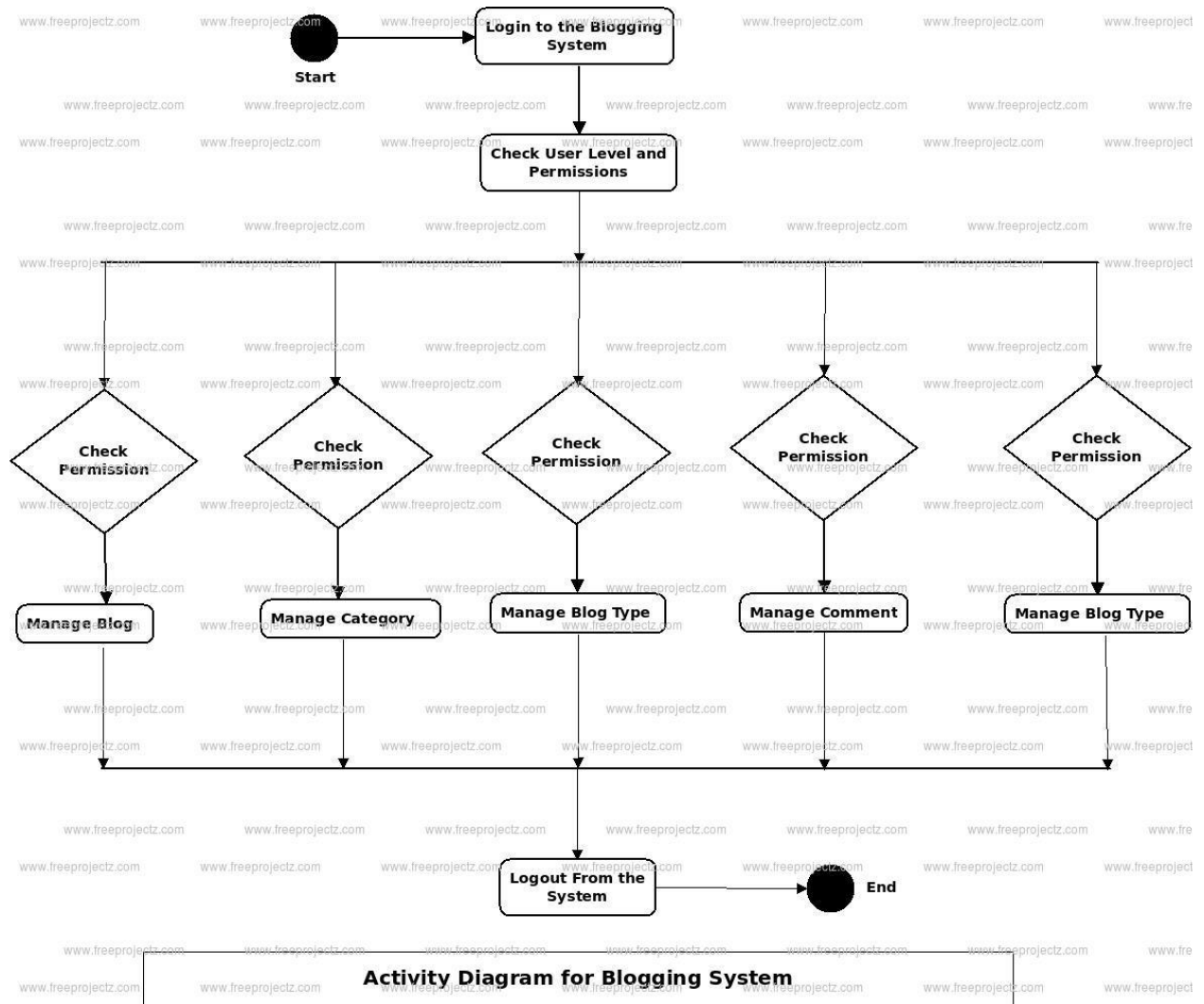


Fig 3: Activity diagram for BloggerStop

CHAPTER 3

WEB SITE FRONT END IMPLEMENTATION

3.1 Tools used: Visual Studio Code

3.2 Web Page Design

Login Page:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Login Form</title>
    <link rel="stylesheet" href="./css/login.css">
  </head>
  <body>
    <center>
      <h2>Login Form</h2>
      <form action="index.html">
        <label for="username">Username:</label>
        <input type="text" id="username" name="username" placeholder="Enter
username">
        <label for="password">Password:</label>
        <input type="password" id="password" name="password" placeholder="Enter
password">
        <input type="submit" value="Submit">
      </form></center>
    </body>
  </html>
```

User Registration Page:

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>New Registration Page</title>
    <link rel="stylesheet" href="/css/registration.css">
  </head>
  <body>
    <div class="container">
```

```

<h1>Create an account</h1>
<form action="register.php" method="POST">
  <label for="name">Full Name:</label>
  <input type="text" id="name" name="name" required>

  <label for="email">Email Address:</label>
  <input type="email" id="email" name="email" required>

  <label for="username">Username:</label>
  <input type="text" id="username" name="username" required>

  <label for="password">Password:</label>
  <input type="password" id="password" name="password" required>

  <label for="confirm-password">Confirm Password:</label>
  <input type="password" id="confirm-password" name="confirm-password"
required>

  <input type="submit" value="Register">
</form>
<p>Already have an account? <a href="/demo.html">Log in here</a></p>
</div>
</body>
</html>

```

Main page:

```

<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Blooger</title>

  <!-- Font Awesome Icons -->
  <link rel="stylesheet" href="./css/all.css">s

  <!-- ----- Owl-Carousel ----->
  <link rel="stylesheet" href="./css/owl.carousel.min.css">
  <link rel="stylesheet" href="./css/owl.theme.default.min.css">

  <!-- ----- AOS Library ----- -->
  <link rel="stylesheet" href="./css/aos.css">

  <!-- Custom Style -->

```

```

    <link rel="stylesheet" href="./css/Style.css">

</head>

<body>

    <!-- ----- Navigation -----
    ----- -->

    <nav class="nav">
        <div class="nav-menu flex-row">
            <div class="nav-brand">
                <a href="#" class="text-gray">Blooger</a>
            </div>
            <div class="toggle-collapse">
                <div class="toggle-icons">
                    <i class="fas fa-bars"></i>
                </div>
            </div>
            <div>
                <ul class="nav-items">
                    <li class="nav-link">
                        <a href="#">Home</a>
                    </li>
                    <li class="nav-link">
                        <a href="#">Category</a>
                    </li>
                    <li class="nav-link">
                        <a href="#">Archive</a>
                    </li>
                    <li class="nav-link">
                        <a href="#">Pages</a>
                    </li>
                    <li class="nav-link">
                        <a href="#">Contact Us</a>
                    </li>
                </ul>
            </div>
            <div class="social text-gray">
                <a href="#"><i class="fab fa-facebook-f"></i></a>
                <a href="#"><i class="fab fa-instagram"></i></a>
                <a href="#"><i class="fab fa-twitter"></i></a>
                <a href="#"><i class="fab fa-youtube"></i></a>
            </div>
        </div>
    </nav>

    <!-- -----x----- Navigation -----x-----
    ----- -->

```

```

<!------- Main Site Section ----->
->

<main>

    <!------- Site Title ----->

    <section class="site-title">
        <div class="site-background" data-aos="fade-up" data-aos-delay="100">
            <h3>Tours & Travels</h3>
            <h1>Amazing Place on Earth</h1>
            <button class="btn">Explore</button>
        </div>
    </section>

    <!-------x----- Site Title -----x----->

    <!-- ----- Site Content ----->

    <section class="container">
        <div class="site-content">
            <div class="posts">
                <div class="post-content" data-aos="zoom-in" data-aos-
delay="200">
                    <div class="post-image">
                        <div>
                            
                        </div>
                        <div class="post-info flex-row">
                            <span><i class="fas fa-user text-
gray"></i>&nbsp;&nbsp;&nbsp;Admin</span>
                            <span><i class="fas fa-calendar-alt text-
gray"></i>&nbsp;&nbsp;&nbsp;January 14, 2019</span>
                            <span>2 Comments</span>
                        </div>
                    </div>
                    <div class="post-title">
                        <a href="#">Women Photography</a>
                        <p>Here are some amazing photos of women in nature that
I recently took on a hiking trip. I love how these photos capture the beauty and
strength of women in the great outdoors.
                        </p>
                        <a href="women.html" class="btn post-btn">Read More</a>
                    </div>
                </div>
            </div>
        </div>
    </section>

```

```

        </div>
        <hr>
        <div class="post-content" data-aos="zoom-in" data-aos-
delay="200">
            <div class="post-image">
                <div>
                    
                </div>
                <div class="post-info flex-row">
                    <span><i class="fas fa-user text-
gray"></i>&nbsp;&nbsp;&nbsp;Admin</span>
                    <span><i class="fas fa-calendar-alt text-
gray"></i>&nbsp;&nbsp;&nbsp;January 16, 2019</span>
                    <span>7 Comments</span>
                </div>
            </div>
            <div class="post-title">
                <a href="#">My dog blog</a>
                <p>Lorem ipsum dolor sit amet consectetur adipisicing
elit. Neque voluptas deserunt beatae
                    adipisci iusto totam placeat corrupti ipsum,
tempora magnam incidunt aperiam tenetur a
                    nobis, voluptate, numquam architecto fugit.
Eligendi quidem ipsam ducimus minus magni
                    illum similique veniam tempore unde?
                </p>
                <a href="dog.html" class="btn post-btn">Read More</a>
            </div>
        <hr>
        <div class="post-content" data-aos="zoom-in" data-aos-
delay="200">
            <div class="post-image">
                <div>
                    
                </div>
                <div class="post-info flex-row">
                    <span><i class="fas fa-user text-
gray"></i>&nbsp;&nbsp;&nbsp;Admin</span>
                    <span><i class="fas fa-calendar-alt text-
gray"></i>&nbsp;&nbsp;&nbsp;January 19, 2019</span>
                    <span>5 Comments</span>
                </div>
            </div>
            <div class="post-title">
                <a href="#">New data recording system to better analyse
road accidents</a>

```

```

        <p>Lorem ipsum dolor sit amet consectetur adipisicing
elit. Neque voluptas deserunt beatae
        adipisci iusto totam placeat corrupti ipsum,
tempora magnam incidunt aperiam tenetur a
        nobis, voluptate, numquam architecto fugit.
Eligendi quidem ipsam ducimus minus magni
        illum similique veniam tempore unde?
    </p>
    <button class="btn post-btn">Read More &nbsp; <i
class="fas fa-arrow-right"></i></button>
    </div>
</div>
<hr>
<div class="post-content" data-aos="zoom-in" data-aos-
delay="200">
    <div class="post-image">
        <div>
            
        </div>
        <div class="post-info flex-row">
            <span><i class="fas fa-user text-
gray"></i>&nbsp;&nbsp;&nbsp;Admin</span>
            <span><i class="fas fa-calendar-alt text-
gray"></i>&nbsp;&nbsp;&nbsp;January 21, 2019</span>
            <span>12 Commets</span>
        </div>
    </div>
    <div class="post-title">
        <a href="#">New data recording system to better analyse
road accidents</a>
        <p>Lorem ipsum dolor sit amet consectetur adipisicing
elit. Neque voluptas deserunt beatae
        adipisci iusto totam placeat corrupti ipsum,
tempora magnam incidunt aperiam tenetur a
        nobis, voluptate, numquam architecto fugit.
Eligendi quidem ipsam ducimus minus magni
        illum similique veniam tempore unde?
    </p>
    <button class="btn post-btn">Read More &nbsp; <i
class="fas fa-arrow-right"></i></button>
    </div>
</div>
<div class="pagination flex-row">
    <a href="#"><i class="fas fa-chevron-left"></i></a>
    <a href="#" class="pages">1</a>
    <a href="#" class="pages">2</a>
    <a href="#" class="pages">3</a>
    <a href="#"><i class="fas fa-chevron-right"></i></a>

```

[illegible]


```

        <div class="post-title">
            <a href="#">New data recording system to better
analyse road accidents</a>
        </div>
    </div>
    <div class="post-content" data-aos="flip-up" data-aos-
delay="300">
        <div class="post-image">
            <div>
                
            </div>
            <div class="post-info flex-row">
                <span><i class="fas fa-calendar-alt text-
gray"></i>&nbsp;&nbsp;&nbsp;January 14,
                    2019</span>
                <span>2 Comments</span>
            </div>
        </div>
        <div class="post-title">
            <a href="#">New data recording system to better
analyse road accidents</a>
        </div>
    </div>
    <div class="post-content" data-aos="flip-up" data-aos-
delay="400">
        <div class="post-image">
            <div>
                
            </div>
            <div class="post-info flex-row">
                <span><i class="fas fa-calendar-alt text-
gray"></i>&nbsp;&nbsp;&nbsp;January 14,
                    2019</span>
                <span>2 Comments</span>
            </div>
        </div>
        <div class="post-title">
            <a href="#">New data recording system to better
analyse road accidents</a>
        </div>
    </div>
    <div class="post-content" data-aos="flip-up" data-aos-
delay="500">
        <div class="post-image">
            <div>
                
            </div>
            <div class="post-info flex-row">
                <span><i class="fas fa-calendar-alt text-
gray"></i>&nbsp;&nbsp;&nbsp;January 14,
                    2019</span>
                <span>2 Comments</span>
            </div>
        </div>
        <div class="post-title">
            <a href="#">New data recording system to better
analyse road accidents</a>
        </div>
    </div>

```

```

        </div>
        <div class="post-info flex-row">
            <span><i class="fas fa-calendar-alt text-
gray"></i>&nbsp;&nbsp;&nbsp;January 14,
                2019</span>
            <span>2 Comments</span>
        </div>
    </div>
    <div class="post-title">
        <a href="#">New data recording system to better
analyse road accidents</a>
    </div>
</div>
<div class="post-content" data-aos="flip-up" data-aos-
delay="600">
    <div class="post-image">
        <div>
            
        </div>
        <div class="post-info flex-row">
            <span><i class="fas fa-calendar-alt text-
gray"></i>&nbsp;&nbsp;&nbsp;January 14,
                2019</span>
            <span>2 Comments</span>
        </div>
        <div class="post-title">
            <a href="#">New data recording system to better
analyse road accidents</a>
        </div>
    </div>
</div>
<div class="newsletter" data-aos="fade-up" data-aos-
delay="300">
    <h2>Newsletter</h2>
    <div class="form-element">
        <input type="text" class="input-element"
placeholder="Email">
        <button class="btn form-btn">Subscribe</button>
    </div>
</div>
<div class="popular-tags">
    <h2>Popular Tags</h2>
    <div class="tags flex-row">
        <span class="tag" data-aos="flip-up" data-aos-
delay="100">Software</span>
        <span class="tag" data-aos="flip-up" data-aos-
delay="200">technology</span>
    </div>
</div>

```

```

        <span class="tag" data-aos="flip-up" data-aos-
delay="300">travel</span>
        <span class="tag" data-aos="flip-up" data-aos-
delay="400">illustration</span>
        <span class="tag" data-aos="flip-up" data-aos-
delay="500">design</span>
        <span class="tag" data-aos="flip-up" data-aos-
delay="600">lifestyle</span>
        <span class="tag" data-aos="flip-up" data-aos-
delay="700">love</span>
        <span class="tag" data-aos="flip-up" data-aos-
delay="800">project</span>
    </div>
</div>
</aside>
</div>
</section>

<!-- -----x----- Site Content -----x----->

</main>

<!-------x----- Main Site Section -----x-----
->

<!-- ----- Footer -----
- -->

<footer class="footer">
    <div class="container">
        <div class="about-us" data-aos="fade-right" data-aos-delay="200">
            <h2>About us</h2>
            <p>Lorem ipsum dolor sit amet consectetur adipisicing elit.
Accusantium quia atque nemo ad modi officiis
            iure, autem nulla tenetur repellendus.</p>
        </div>
        <div class="newsletter" data-aos="fade-right" data-aos-delay="200">
            <h2>Newsletter</h2>
            <p>Stay update with our latest</p>
            <div class="form-element">
                <input type="text" placeholder="Email"><span><i class="fas fa-
chevron-right"></i></span>
            </div>
        </div>
        <div class="instagram" data-aos="fade-left" data-aos-delay="200">
            <h2>Instagram</h2>
            <div class="flex-row">
                

```

```

        
        
    </div>
    <div class="flex-row">
        
        
        
    </div>
</div>
<div class="follow" data-aos="fade-left" data-aos-delay="200">
    <h2>Follow us</h2>
    <p>Let us be Social</p>
    <div>
        <i class="fab fa-facebook-f"></i>
        <i class="fab fa-twitter"></i>
        <i class="fab fa-instagram"></i>
        <i class="fab fa-youtube"></i>
    </div>
</div>
</div>
<div class="rights flex-row">
    <h4 class="text-gray">
    </h4>
</div>
<div class="move-up">
    <span><i class="fas fa-arrow-circle-up fa-2x"></i></span>
</div>
</footer>

<!-- -----x----- Footer -----x----->
-->

<!-- JQuery Library file -->
<script src="./js/Jquery3.4.1.min.js"></script>

<!-- ----- Owl-Carousel js ----->
<script src="./js/owl.carousel.min.js"></script>

<!-- ----- AOS js Library ----- -->
<script src="./js/aos.js"></script>

<!-- Custom Javascript file -->
<script src="./js/main.js"></script>
</body>
</html>

```

Sub Page 1:

```
<!DOCTYPE html>
<html>
<head>
  <title>My Dog Blog</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" type="text/css" href="/css/dog.css">
</head>
<body>
  <header>
    <h1>My Dog Blog</h1>
    <nav>
      <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">About</a></li>
        <li><a href="#">Contact</a></li>
      </ul>
    </nav>
  </header>
  <main>
    <section>
      <h2>Latest Posts</h2>
      <article>
        <h3>My Favorite Dog Breeds</h3>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed
vitae risus vel enim aliquet ultricies. Morbi euismod, urna nec varius malesuada,
urna nulla facilisis nunc, id tempor velit purus eget leo. </p>
        <a href="#">Read More</a>
      </article>
      <article>
        <h3>Training Tips for Puppies</h3>
        <p>Nullam semper ex eget sapien pharetra, vel sollicitudin quam
volutpat. Sed eu felis at velit faucibus ullamcorper. Donec luctus blandit odio ac
congue. Proin sit amet sodales nulla. </p>
        <a href="#">Read More</a>
      </article>
    </section>
    <aside>
      <h2>Popular Posts</h2>
      <ul>
        <li><a href="#">Top 10 Cutest Dog Breeds</a></li>
        <li><a href="#">How to Stop Your Dog from Barking</a></li>
        <li><a href="#">My Dog's Favorite Toys</a></li>
      </ul>
    </aside>
  </main>
```

```

    <footer>
      <p>Copyright © My Dog Blog
    </p>
    </footer>
  </body>
</html>

```

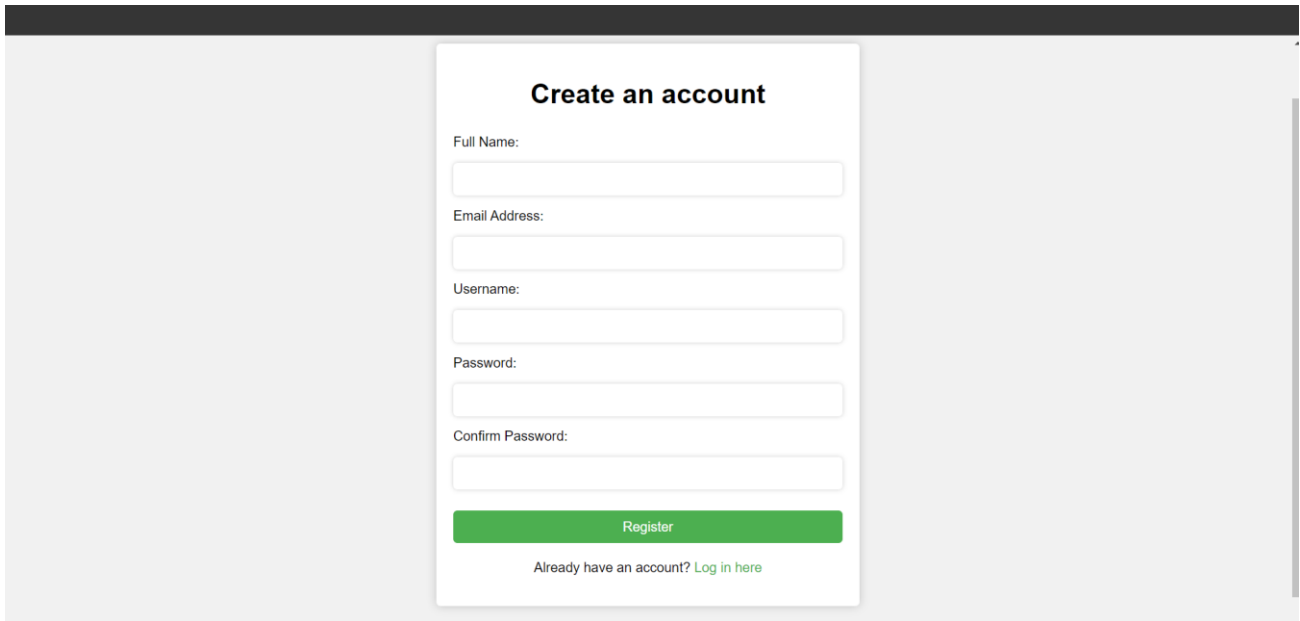
Sub Page 2 :

```

<!DOCTYPE html>
<html>
  <head>
    <title>Women Photography Blog</title>
    <link rel="stylesheet" type="text/css" href="women.css">
  </head>
  <body>
    <header>
      <h1>Women Photography Blog</h1>
      <nav>
        <ul>
          <li><a href="#">Home</a></li>
          <li><a href="#">About</a></li>
          <li><a href="#">Gallery</a></li>
          <li><a href="#">Contact</a></li>
        </ul>
      </nav>
    </header>
    <main>
      <article>
        <header>
          <h2>Amazing Photos of Women in Nature</h2>
          <p class="meta">Posted by Jane Doe on April 24, 2023</p>
        </header>
        
        <p>Here are some amazing photos of women in nature that I recently took on a hiking trip. I love how these photos capture the beauty and strength of women in the great outdoors.</p>
        <footer>
          <p class="tags">Tags: nature, women, hiking</p>
        </footer>
      </article>
    </main>
    <footer>
      <p>&copy; 2023 Women Photography Blog</p>
    </footer>
  </body>
</html>

```

3.3 Screenshots



Create an account

Full Name:

Email Address:

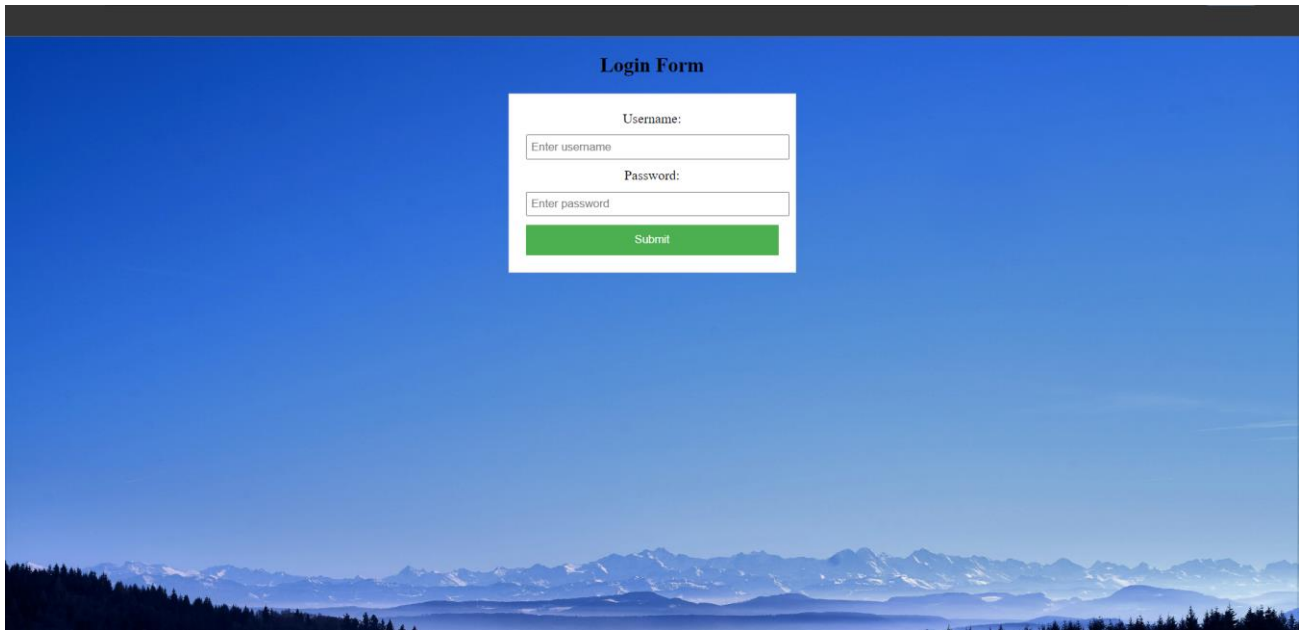
Username:

Password:

Confirm Password:

Already have an account? [Log in here](#)

This screenshot shows a 'Create an account' form. It has a dark header bar at the top. The form is centered on a light gray background. It contains five input fields: 'Full Name', 'Email Address', 'Username', 'Password', and 'Confirm Password'. Below the inputs is a green 'Register' button. At the bottom, there is a link 'Log in here' for users who already have an account.

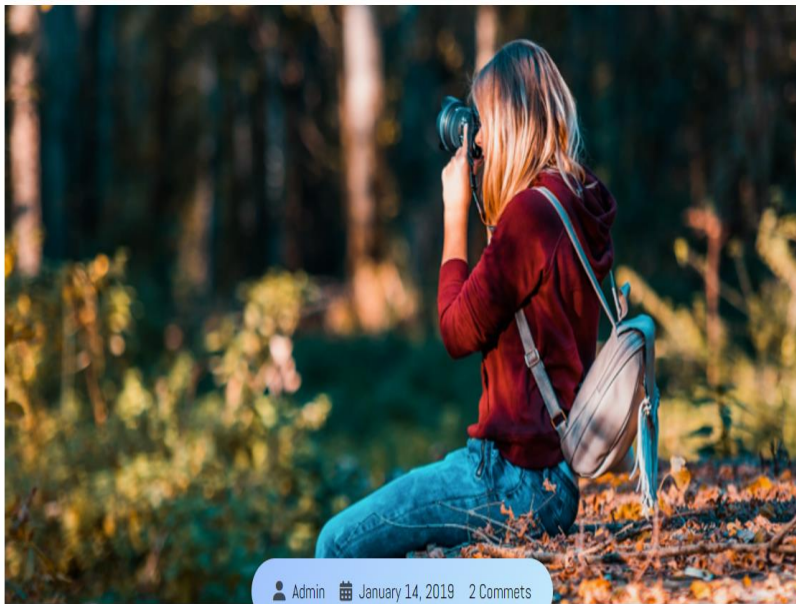
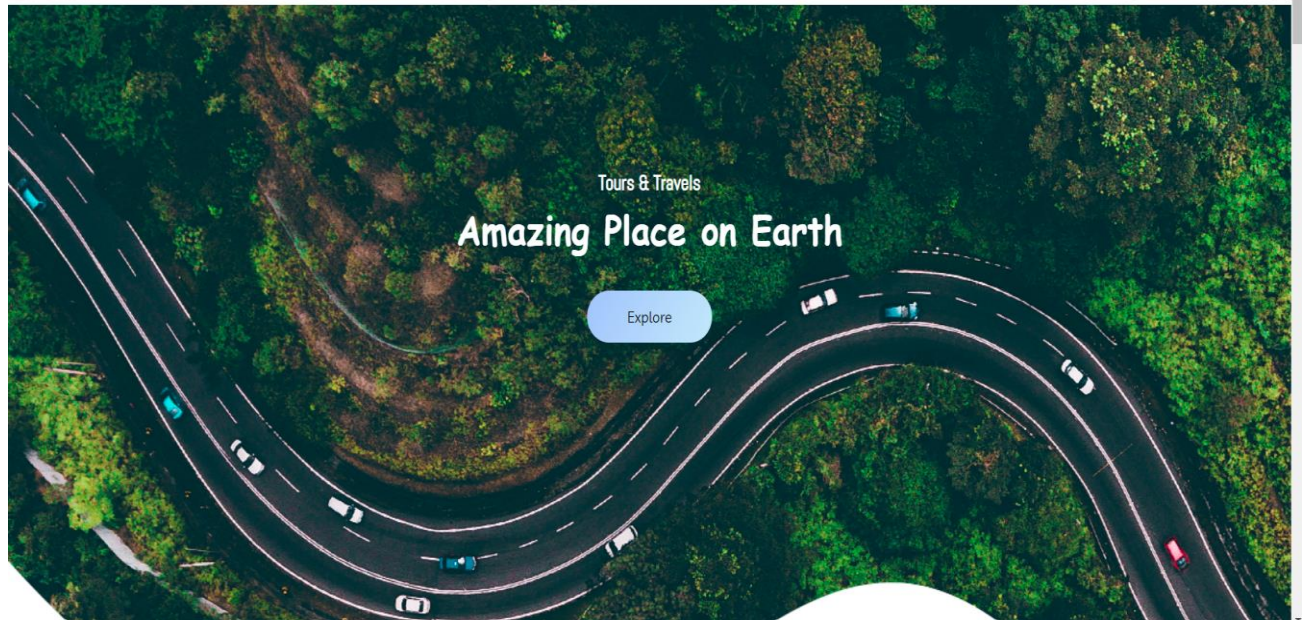




Login Form

Username:

Password:

This screenshot shows a 'Login Form' centered on a blue background with a mountain landscape. The form has a white background and a thin border. It contains two input fields: 'Username' with the placeholder text 'Enter username' and 'Password' with the placeholder text 'Enter password'. Below the inputs is a green 'Submit' button.



 Admin  January 14, 2019  2 Comments

Women Photography

Here are some amazing photos of women in nature that I recently took on a hiking trip. I love how these photos capture the beauty and strength of women in the great outdoors.

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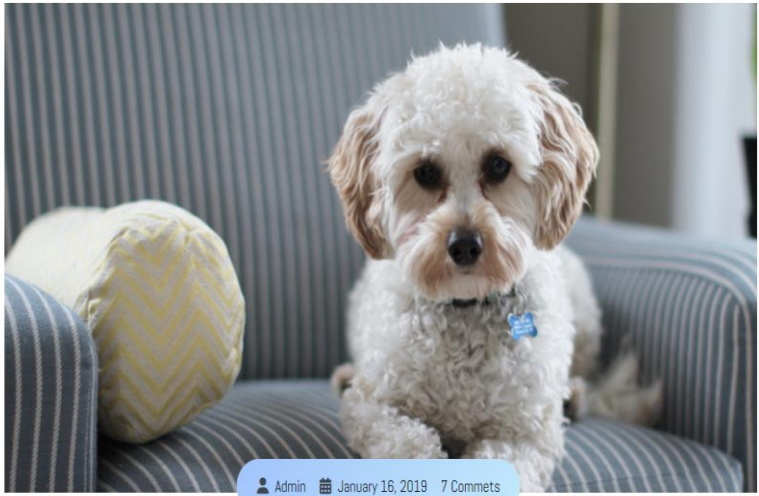
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My dog blog

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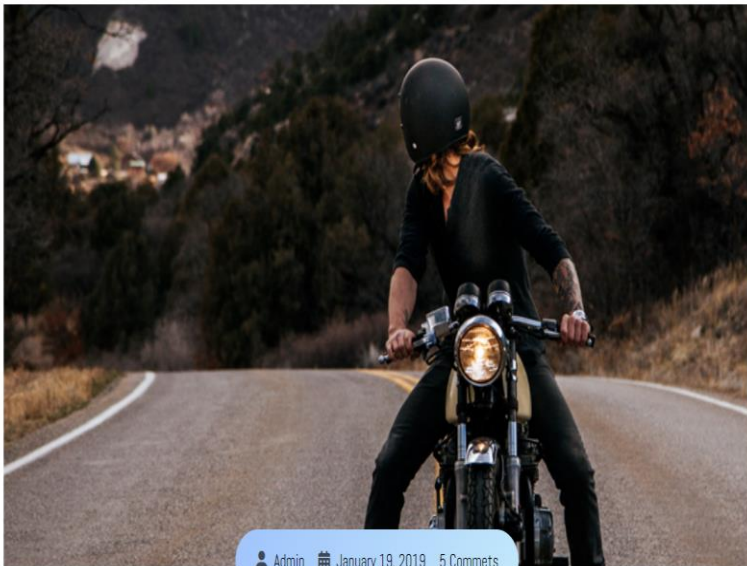
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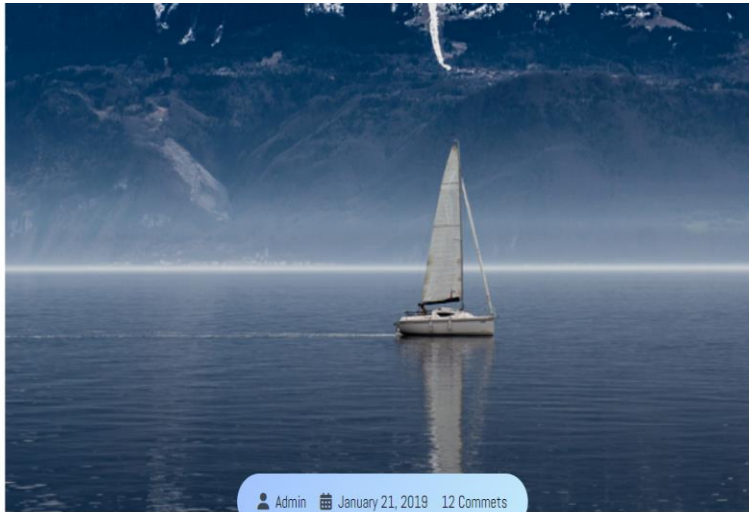
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New data recording system to better analyse road accidents

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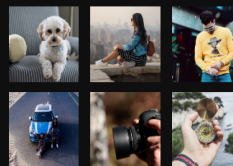
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CHAPTER 4

WEB SITE BACK-END IMPLEMENTATION

4.1 Tools used: Eclipse IDE for Java Developers

4.2 Code for Back-end

Loginservlet.java:

```
package com.servlet;

import java.io.IOException;
import java.io.PrintWriter; import
java.sql.Connection; import
java.sql.DriverManager; import
java.sql.ResultSet;
import java.sql.SQLException;

import javax.servlet.ServletException; import
javax.servlet.annotation.WebServlet; import
javax.servlet.http.HttpServlet; import
javax.servlet.http.HttpServletRequest; import
javax.servlet.http.HttpServletResponse;

@WebServlet("/loginservlet")
public class loginservlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        PrintWriter pw =response.getWriter();
        response.setContentType("text/html");
        String name= request.getParameter("t1");
        String pwd = request.getParameter("t3");
        boolean status=false;

        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection connection =
DriverManager.getConnection("jdbc:mysql://localhost:3306/backend?useSSL=false","root","H
anuman@99");

            java.sql.PreparedStatement ps = connection.prepareStatement("select *
from login where Username = ? and Password = ?");
            ps.setString(1, name);
            ps.setString(2,          pwd);
            System.out.println(ps);
```

```

        ResultSet
        rs=ps.executeQuery();
        status=rs.next();
    }
    catch(SQLException | ClassNotFoundException e) { System.out.println(e);
    }
    if(status) { response.sendRedirect("main page.html");

    }
    else
    {
//        pw.print("<p style=color:red>Username and Password invalid</p>");
    }
    }

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse
response)
throws ServletException, IOException {
    // TODO Auto-generated method stub
    doGet(request, response);
}

}

```

Signinservlet.java

```

package com.servlet;

import java.io.IOException;
import java.io.PrintWriter; import
java.sql.Connection; import
java.sql.DriverManager;
import java.sql.SQLException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException; import
javax.servlet.annotation.WebServlet; import
javax.servlet.http.HttpServlet; import
javax.servlet.http.HttpServletRequest; import
javax.servlet.http.HttpServletResponse;
@WebServlet("/signinservlet")
public class signinservlet extends HttpServlet { private
    static final long serialVersionUID = 1L;

/**

```

```

* @see HttpServlet#HttpServlet()
    */ public
    signinServlet() {
        super();
        // TODO Auto-generated constructor stub }

    /**
    * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
        */ protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        PrintWriter pw =response.getWriter();
        response.setContentType("text/html"); String
        name=request.getParameter("name");
        String email=request.getParameter("email");
        String username=request.getParameter("username");
        String password=request.getParameter("password");
//        RequestDispatcher dispatcher=null;

        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection connection =
DriverManager.getConnection("jdbc:mysql://localhost:3306/backend?useSSL=false","root","H
anuman@99");

            java.sql.PreparedStatement ps = connection.prepareStatement("INSERT
INTO `backend` .`login` (`Username`,`Password`,`Full Name`,`Email`) VALUES (?,?,?,?);");

            ps.setString(1, username);
            ps.setString(2, password);
            ps.setString(3, name);
            ps.setString(4, email);

            int row = ps.executeUpdate();
//            dispatcher = request.getRequestDispatcher("signin.jsp"); if (row >
0) {
//                request.setAttribute("status","success");
//                response.sendRedirect("login.html");

            }
            else {
//                request.setAttribute("status" , "failed");
            }
//            dispatcher.forward(request, response);
            connection.close();

        }
        catch(SQLException | ClassNotFoundException e) { System.out.println(e);
        }
    }
}

```

```

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
    response)
     */ protected void doPost(HttpServletRequest request, HttpServletResponse
    response)
    throws ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }

}

```

Database.java

```

package com.servlet;

import java.io.IOException;
import java.io.PrintWriter; import
java.sql.Connection; import
java.sql.DriverManager;
import java.sql.SQLException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException; import
javax.servlet.annotation.WebServlet; import
javax.servlet.http.HttpServlet; import
javax.servlet.http.HttpServletRequest; import
javax.servlet.http.HttpServletResponse;

@WebServlet("/signinServlet")
public class signinServlet extends HttpServlet { private
    static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */ public
    signinServlet() {
        super();
        // TODO Auto-generated constructor stub }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */ protected void doGet(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {

```

```

        PrintWriter pw =response.getWriter();
        response.setContentType("text/html"); String
        name=request.getParameter("name");
        String email=request.getParameter("email");
        String username=request.getParameter("username");
        String password=request.getParameter("password");
//
        RequestDispatcher dispatcher=null;

        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection connection =
DriverManager.getConnection("jdbc:mysql://localhost:3306/backend?useSSL=false","root","H
anuman@99");

            java.sql.PreparedStatement ps = connection.prepareStatement("INSERT
INTO `backend` .`login` (`Username`,`Password`,`Full Name`,`Email`) VALUES (?,?,,?);");

            ps.setString(1, username);
            ps.setString(2, password);
            ps.setString(3, name);
            ps.setString(4, email);

            int row = ps.executeUpdate();
//
            dispatcher = request.getRequestDispatcher("signin.jsp"); if (row >
0) {
//
            request.setAttribute("status","success");
            response.sendRedirect("login.html");

        }
        else
        {
//
            request.setAttribute("status" , "failed");
        }
//
        dispatcher.forward(request, response);
        connection.close();
    }
    catch(SQLException | ClassNotFoundException e) {
        System.out.println(e);
    }
}

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse
response)
throws ServletException, IOException {
    // TODO Auto-generated method stub

```

```

        doGet(request, response);
    }

}

```

Login page:

```

body {
    background-image:url(../assets/1.jpg);
    background-size: cover;
    background-position: center;
    background-attachment: fixed;
    background-repeat: no-repeat;
}
.box{
    display: flex;
    justify-content: center;
    align-items: center;
    min-height: 90vh;
}
.container{
    width: 350px;
    display: flex;
    flex-direction: column;
    padding: 0 15px 0 15px;
}
.submit{
    border: none;
    border-radius: 30px;
    font-size: 15px;
    height: 45px;
    outline: none;
    width: 100%;
    color: black;
    background: rgba(255,255,255,0.7);
    cursor: pointer;
    transition: .3s ;
}
h2 {
    text-align: center;
}
form {
    background-color: #fff;
    border: 1px solid #ccc;
    margin: 0 auto;
    max-width: 300px;
    padding: 20px;
}

```



```

input[type="text"],
input[type="password"] {
  display: block;
  margin: 10px 0;
  padding: 5px;
  width: 100%;
}
input[type="submit"] {
  background-color: #4CAF50;
  border: none;
  color: #fff;
  cursor: pointer;
  padding: 10px;
  width: 100%;
}
input[type="submit"]:hover {
  background-color: #45a049;
}

```

User Registration:

```

.form-wrapper {
  max-width: 400px;
  margin: 0 auto;
  padding: 20px;
  border: 1px solid #ccc;
  border-radius: 5px;
}

h2 {
  text-align: center;
  margin-bottom: 20px;
}

label {
  display: block;
  margin-bottom: 10px;
}

input[type="text"],
input[type="email"],
input[type="password"] {
  width: 100%;
  padding: 10px;
  border: 1px solid #ccc;
  border-radius: 5px;
  margin-bottom: 20px;
  box-sizing: border-box;
}

```

```

}

button[type="submit"] {
  background-color: #4CAF50;
  color: white;
  padding: 12px 20px;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}

button[type="submit"]:hover {
  background-color: #45a049;
}

```

Main page:

```

@import url('../css/fonts.css');

html, body{
  margin: 0%;
  box-sizing: border-box;
  overflow-x: hidden;
}

:root{

  /*      Theme colors      */
  --text-gray: #3f4954;
  --text-light : #686666da;
  --bg-color: #0f0f0f;
  --white: #ffffff;
  --midnight: #104f55;

  /* gradient color */
  --sky: linear-gradient(120deg, #a1c4fd 0%, #c2e9fb 100%);

  /*      theme font-family      */
  --Abel: 'Abel', cursive;
  --Anton: 'Anton', cursive;
  --Josefin : 'Josefin', cursive;
  --Lexend: 'Lexend', cursive;
  --Livvic : 'Livvic', cursive;
}

/* ----- Global Classes -----*/

```

```

a{
  text-decoration: none;
  color: var(--text-gray);
}

.flex-row{
  display: flex;
  flex-direction: row;
  flex-wrap: wrap;
}

ul{
  list-style-type: none;
}

h1{
  font-family: var(--Lexend);
  font-size: 2.5rem;
}

h2{
  font-family: var(--Lexend);
}

h3{
  font-family: var(--Abel);
  font-size: 1.3rem;
}

button.btn{
  border: none;
  border-radius: 2rem;
  padding: 1rem 3rem;
  font-size: 1rem;
  font-family: var(--Livvic);
  cursor: pointer;
}

span{
  font-family: var(--Abel);
}

.container{
  margin: 0 5vw;
}

.text-gray{
  color: var(--text-gray);
}

```

```

}

p{
  font-family: var(--Lexend);
  color: var(--text-light);
}

/* -----x----- Global Classes -----x-----*/

/* ----- navbar ----- */

.nav{
  background: white;
  padding: 0 2rem;
  height: 0rem;
  min-height: 10vh;
  overflow: hidden;
  transition: height 1s ease-in-out;
}

.nav .nav-menu{
  justify-content: space-between;
}

.nav .toggle-collapse{
  position: absolute;
  top: 0%;
  width: 90%;
  cursor: pointer;
  display: none;
}

.nav .toggle-collapse .toggle-icons{
  display: flex;
  justify-content: flex-end;
  padding: 1.7rem 0;
}

.nav .toggle-collapse .toggle-icons i{
  font-size: 1.4rem;
  color: var(--text-gray);
}

.collapse{
  height: 30rem;
}

.nav .nav-items{
  display: flex;

```

```

    margin: 0;
}

.nav .nav-items .nav-link{
    padding: 1.6rem 1rem;
    font-size: 1.1rem;
    position: relative;
    font-family: var(--Abel);
    font-size: 1.1rem;
}

.nav .nav-items .nav-link:hover{
    background-color: var(--midnight);
}

.nav .nav-items .nav-link:hover a{
    color: var(--white);
}

.nav .nav-brand a{
    font-size: 1.6rem;
    padding: 1rem 0;
    display: block;
    font-family: var(--Lexend);
    font-size: 1.6rem;
}

.nav .social{
    padding: 1.4rem 0
}

.nav .social i{
    padding: 0 .2rem;
}

.nav .social i:hover{
    color: #a1c4cf;
}

/* -----x----- navbar -----x----- */

/* ----- Main Content----- */

/* ----- Site title ----- */
main .site-title{
    background: url('../assets/Background-image.png');
    background-size: cover;
    height: 110vh;
}

```

```

    display: flex;
    justify-content: center;
}

main .site-title .site-background{
    padding-top: 10rem;
    text-align: center;
    color: var(--white);
}

main .site-title h1, h3{
    margin: .3rem;
}

main .site-title .btn{
    margin: 1.8rem;
    background: var(--sky);
}

main .site-title .btn:hover{
    background: transparent;
    border: 1px solid var(--white);
    color: var(--white);
}

/* -----x----- Site title -----x----- */

/* ----- Blog Carousel ----- */

main .blog{
    background: url('../assets/Abract01.png');
    background-repeat: no-repeat;
    background-position: right;
    height: 100vh;
    width: 100%;
    background-size: 65%;
}

main .blog .blog-post{
    padding-top: 6rem;
}

main .blog-post .blog-content{
    display: flex;
    flex-direction: column;
    text-align: center;
    width: 80%;
    margin: 3rem 2rem;
    box-shadow: 0 15px 20px rgba(0, 0, 0, 0.2);
}

```

```

}

main .blog-content .blog-title{
  padding: 2rem 0;
}

main .blog-content .btn-blog{
  padding: .7rem 2rem;
  background: var(--sky);
  margin: .5rem;
}

main .blog-content span{
  display: block;
}

section .container .owl-nav{
  position: absolute;
  top: 0%;
  margin: 0 auto;
  width: 100%;
}

.owl-nav .owl-prev .owl-nav-prev,
.owl-nav .owl-next .owl-nav-next{
  color: var(--text-gray);
  background: transparent;
  font-size: 2rem;
}

.owl-theme .owl-nav [class*='owl-']:hover{
  background: transparent;
  color: var(--midnight);
}

.owl-theme .owl-nav [class*='owl-']{
  outline: none;
}

/* -----x----- Blog Carousel -----x----- */

/* ----- Site Content -----*/

main .site-content{
  display: grid;
  grid-template-columns: 70% 30%;
}

```

```

main .post-content{
  width: 100%;
}

main .site-content .post-content > .post-image, .post-title{
  padding: 1rem 2rem;
  position: relative;
}

main .site-content .post-content > .post-image .post-info{
  background: var(--sky);
  padding: 1rem;
  position: absolute;
  bottom: 0%;
  left: 20vw;
  border-radius: 3rem;
}

main .site-content .post-content > .post-image > div{
  overflow: hidden;
}

main .site-content .post-content > .post-image .img{
  width: 100%;
  transition: all 1s ease;
}

main .site-content .post-content > .post-image .img:hover{
  transform: scale(1.3);
}

main .site-content .post-content > .post-image .post-info span{
  margin: 0 .5rem;
}

main .post-content .post-title a{
  font-family: var(--Anton);
  font-size: 1.5rem;
}

.site-content .post-content .post-title .post-btn{
  border-radius: 0;
  padding: .7rem 1.5rem;
  background: var(--sky);
}

.site-content .pagination{
  justify-content: center;
}

```



```

    color: var(--text-gray);
    margin: 4rem 0;
}

.site-content .pagination a{
    padding: .6rem .9rem;
    border-radius: 2rem;
    margin: 0 .3rem;
    font-family: var(--Lexend);
}

.site-content .pagination .pages{
    background: var(--text-gray);
    color: var(--white);
}

/* -----x----- Site Content -----x-----*/

/* ----- Sidebar ----- */

.site-content > .sidebar .category-list{
    font-family: var(--Livvic);
}

.site-content > .sidebar .category-list .list-items{
    background: var(--sky);
    padding: .4rem 1rem;
    margin: .8rem 0;
    border-radius: 3rem;
    width: 70%;
    display: flex;
    justify-content: space-between;
}

.site-content > .sidebar .category-list .list-items a{
    color: black;
}

.site-content .sidebar .popular-post .post-content{
    padding: 1rem 0;
}

.site-content .sidebar .popular-post h2{
    padding-top: 8rem;
}

.site-content .sidebar .popular-post .post-info{
    padding: .4rem .1rem !important;
}

```

```

    bottom: 0rem !important;
    left: 1.5rem !important;
    border-radius: 0rem !important;
    background: white !important;
}

.site-content .sidebar .popular-post .post-title a{
    font-size: 1rem;
}

.site-content .sidebar .newsletter{
    padding-top: 10rem;
}

.site-content .sidebar .newsletter .form-element{
    padding: .5rem 2rem;
}

.site-content .sidebar .newsletter .input-element{
    width: 80%;
    height: 1.9rem;
    padding: .3rem .5rem;
    font-family: var(--Lexend);
    font-size: 1rem;
}

.site-content .sidebar .newsletter .form-btn{
    border-radius: 0;
    padding: .8rem 32%;
    margin: 1rem 0;
    background: var(--sky);
}

.site-content .sidebar .popular-tags{
    padding: 5rem 0;
}

.site-content .sidebar .popular-tags .tags .tag{
    background: var(--sky);
    padding: .4rem 1rem;
    border-radius: 3rem;
    margin: .4rem .6rem;
}

/* -----x----- Sidebar -----x----- */

/* -----x----- Main Content -----x----- */

```

```

/* ----- Footer ----- */

footer.footer{
  height: 100%;
  background: var(--bg-color);
  position: relative;
}

footer.footer .container{
  display: grid;
  grid-template-columns: repeat(4, 1fr);
}

footer.footer .container > div{
  flex-grow: 1;
  flex-basis: 0;
  padding: 3rem .9rem;
}

footer.footer .container h2{
  color: var(--white);
}

footer.footer .newsletter .form-element{
  background: black;
  display: inline-block;
}

footer.footer .newsletter .form-element input{
  padding: .5rem .7rem;
  border: none;
  background: transparent;
  color: white;
  font-family: var(--Josefin);
  font-size: 1rem;
  width: 74%;
}

footer.footer .newsletter .form-element span{
  background: var(--sky);
  padding: .5rem .7rem;
  cursor: pointer;
}

footer.footer .instagram div > img{
  display: inline-block;
  width: 25%;
  height: 50%;
  margin: .3rem .4rem;
}

```

```

}

footer.footer .follow div i{
    color: var(--white);
    padding: 0 .4rem;
}

footer.footer .rights{
    justify-content: center;
    font-family: var(--Josefin);
}

footer.footer .rights h4 a{
    color: var(--white);
}

footer.footer .move-up{
    position: absolute;
    right: 6%;
    top: 50%;
}

footer.footer .move-up span{
    color: var(--midnight);
}

footer.footer .move-up span:hover{
    color: var(--white);
    cursor: pointer;
}

/* -----x----- Footer -----x----- */

/*          Viewport less then or equal to 1130px          */

@media only screen and (max-width: 1130px){
    .site-content .post-content > .post-image .post-info{
        left: 2rem !important;
        bottom: 1.2rem !important;
        border-radius: 0% !important;
    }

    .site-content .sidebar .popular-post .post-info{
        display: none !important;
    }

    footer.footer .container{
        grid-template-columns: repeat(2, 1fr);
    }
}

```

```

}

/*      x      Viewport less then or equal to 1130px      x      */

/*      Viewport less then or equal to 750px      */

@media only screen and (max-width: 750px){
    .nav .nav-menu, .nav .nav-items{
        flex-direction: column;
    }

    .nav .toggle-collapse{
        display: initial;
    }

    main .site-content{
        grid-template-columns: 100%;
    }

    footer.footer .container{
        grid-template-columns: repeat(1, 1fr);
    }
}

/*      x      Viewport less then or equal to 750px      x      */
/*      Viewport less then or equal to 520px      */
@media only screen and (max-width: 520px){
    main .blog{
        height: 125vh;
    }

    .site-content .post-content > .post-image .post-info{
        display: none;
    }

    footer.footer .container > div{
        padding: 1rem .9rem !important;
    }

    footer .rights{
        padding: 0 1.4rem;
        text-align: center;
    }

    nav .toggle-collapse{
        width: 80% !important;
    }
}

/*      x      Viewport less then or equal to 520px      x      */

```

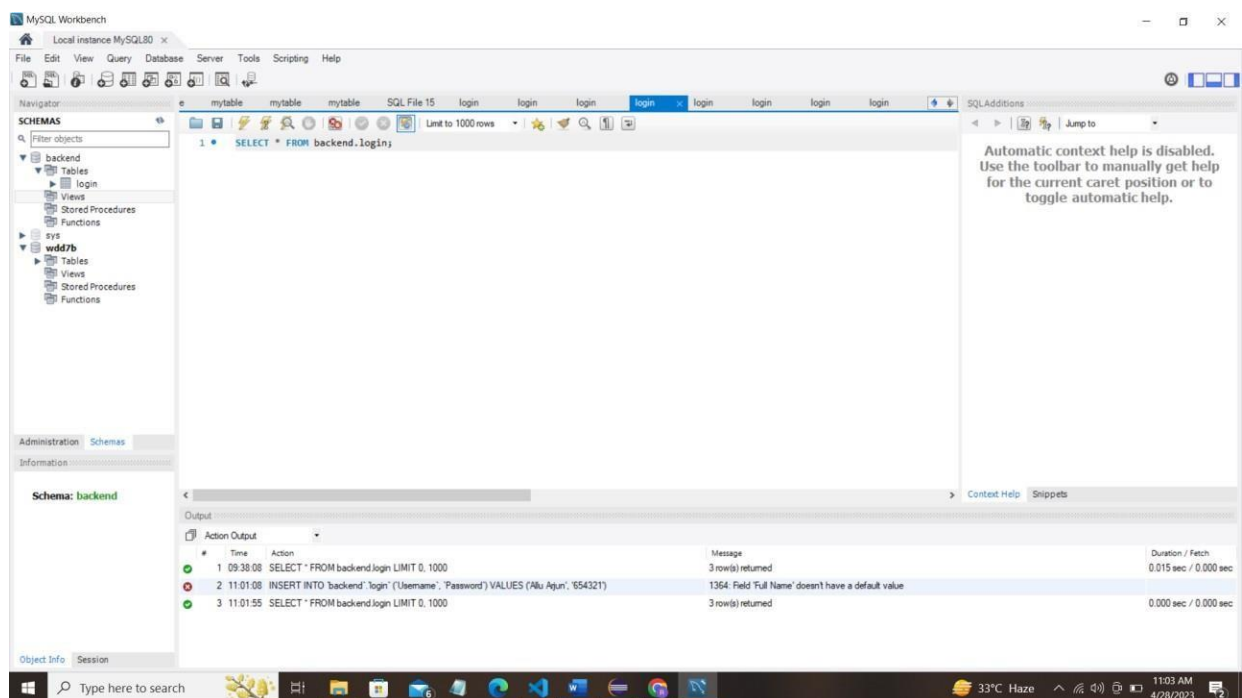
CHAPTER 5

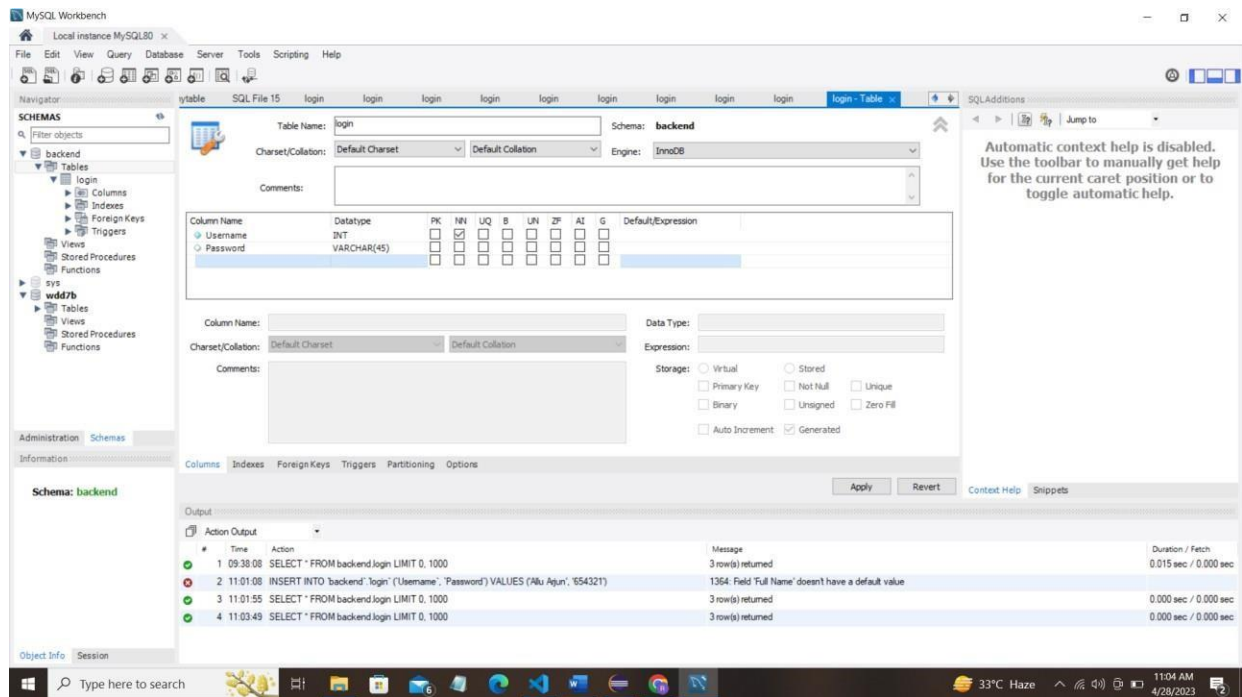
DATABASE DESIGN

5.1 Database used: My SQL Workbench 8.0 CE

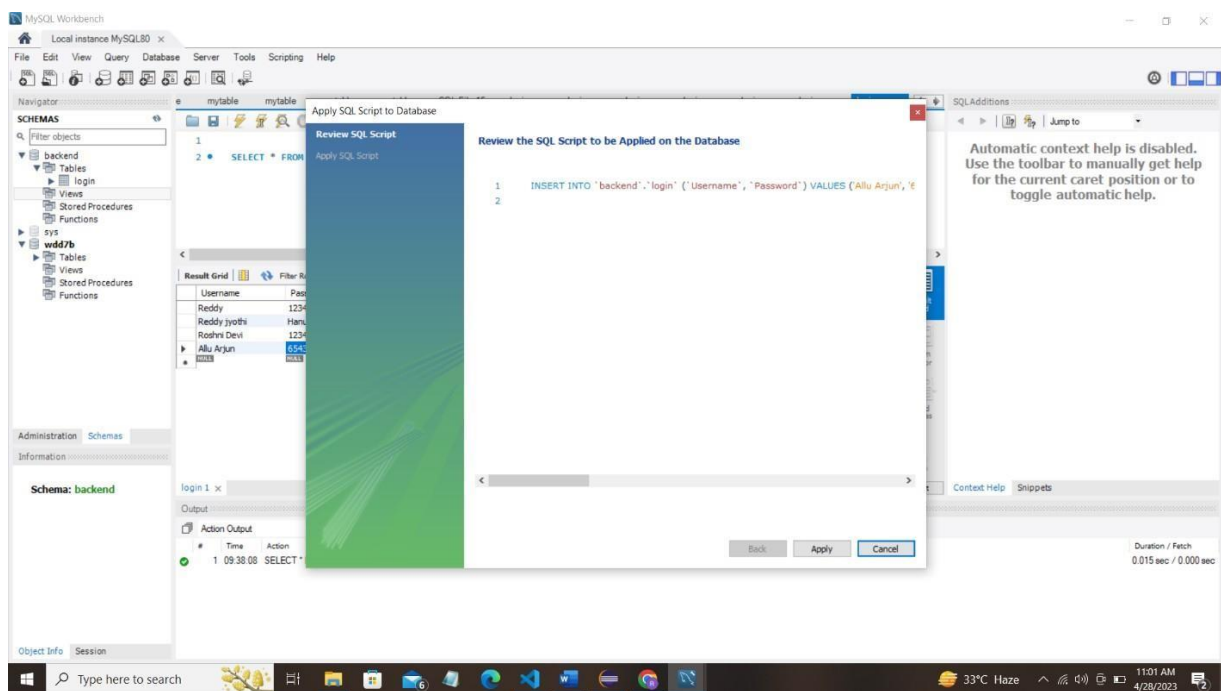
5.2 Database schema

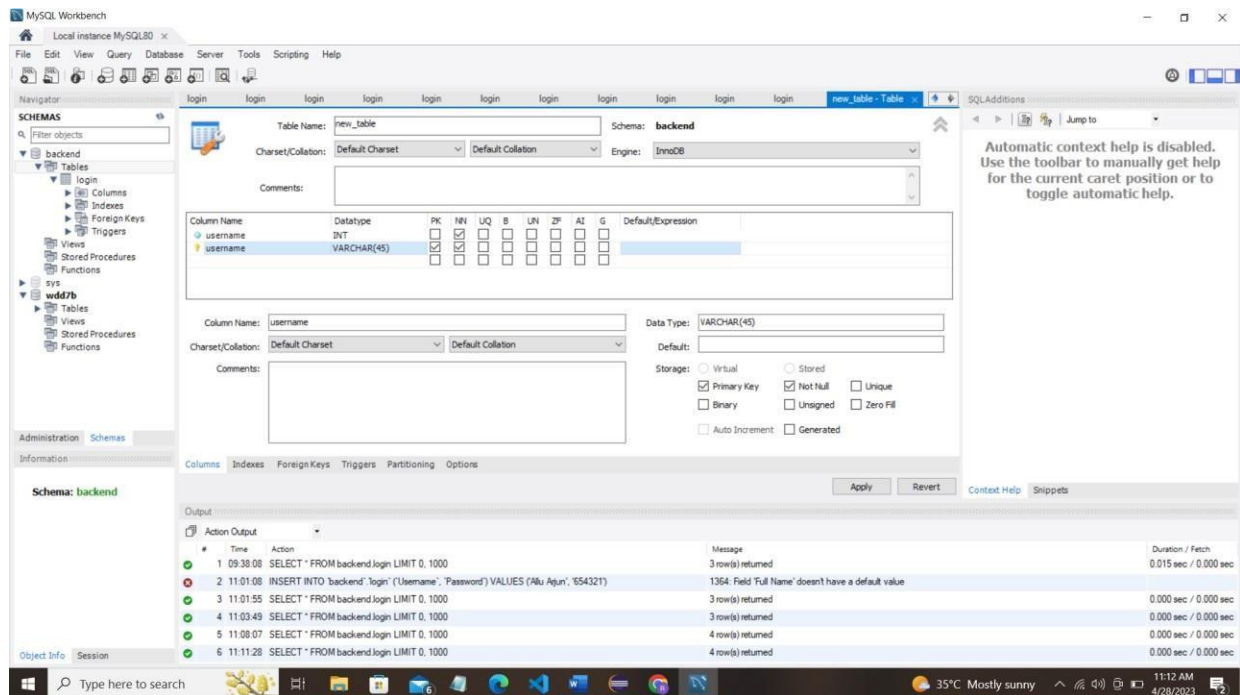
Database schema:





5.3 Database Connectivity





package com.servlet;

```
import java.io.IOException;
import java.io.PrintWriter; import
java.sql.Connection; import
java.sql.DriverManager; import
java.sql.ResultSet;
import java.sql.SQLException;
```

```
import javax.servlet.ServletException; import
javax.servlet.annotation.WebServlet; import
javax.servlet.http.HttpServlet; import
javax.servlet.http.HttpServletRequest; import
javax.servlet.http.HttpServletResponse;
```

@WebServlet("/loginservlet")

public class loginservlet extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {

```
PrintWriter pw =response.getWriter();
response.setContentType("text/html");
String name= request.getParameter("t1");
String pwd = request.getParameter("t3");
boolean status=false;
try {
    Class.forName("com.mysql.jdbc.Driver");
    Connection connection =
```



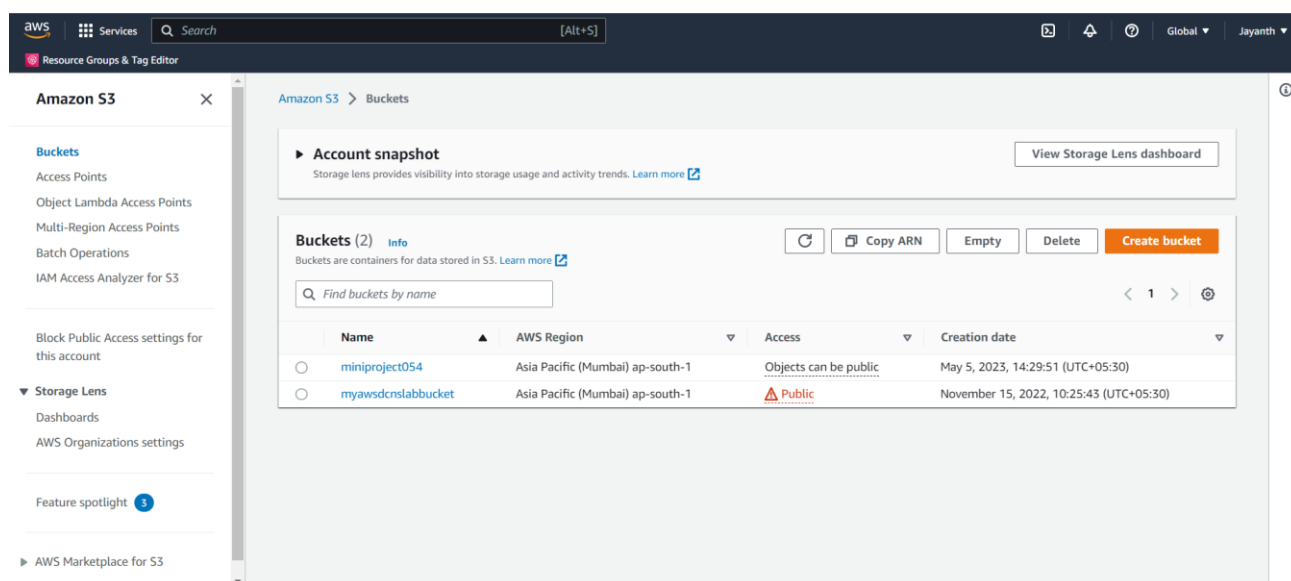
```
DriverManager.getConnection("jdbc:mysql://localhost:3306/backend?useSSL=false","root","H  
anuman@99");
```

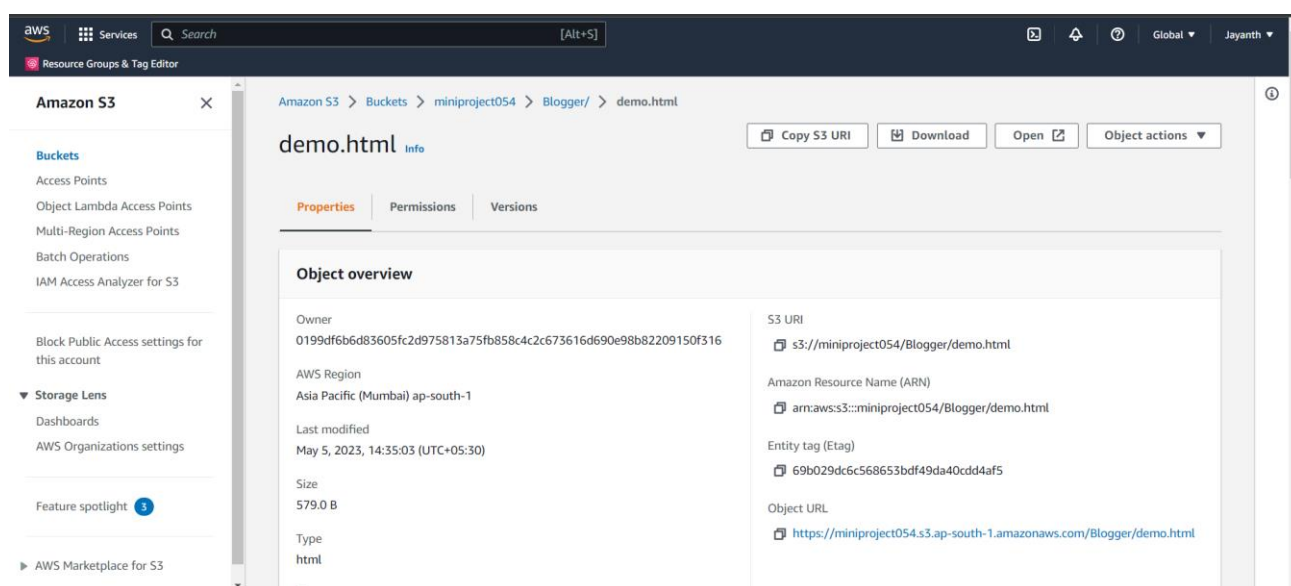
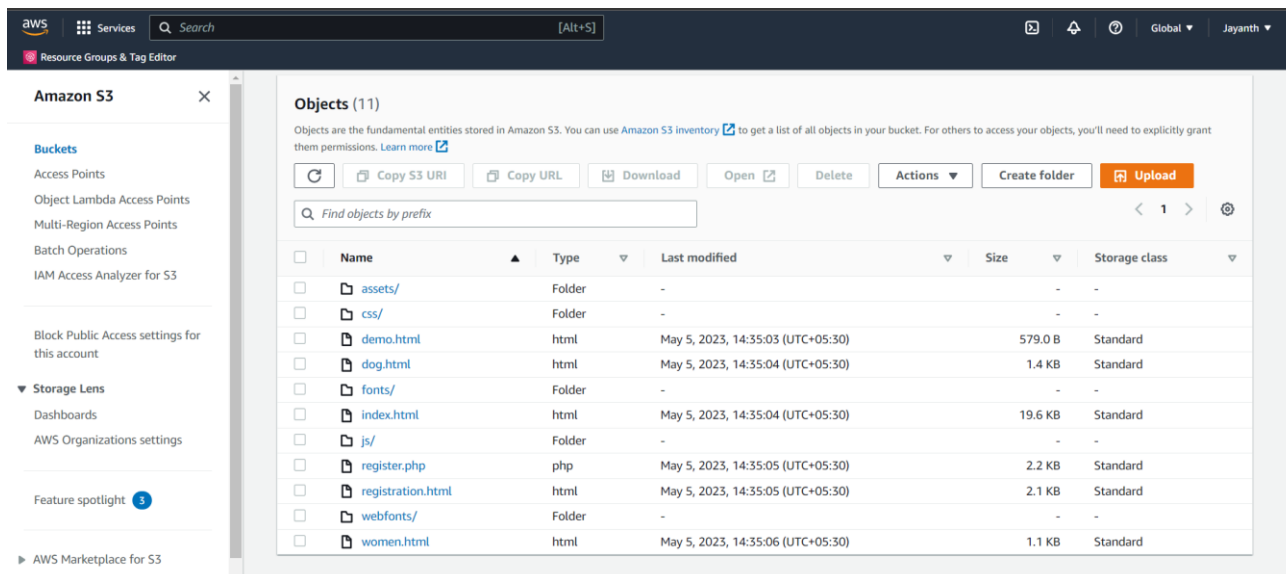
```
        java.sql.PreparedStatement ps = connection.prepareStatement("select *  
from login where Username = ? and Password = ?");  
        ps.setString(1, name);  
        ps.setString(2, pwd);  
        System.out.println(ps);  
        ResultSet  
        rs=ps.executeQuery();  
        status=rs.next();  
    }  
    catch(SQLException | ClassNotFoundException e) { System.out.println(e);  
    }  
    if(status) { response.sendRedirect("main page.html");  
  
        } else  
        {  
            response.sendRedirect("login fail.html");  
        }  
    }  
  
    /**  
    * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse  
    response)  
    */ protected void doPost(HttpServletRequest request, HttpServletResponse  
    response) throws ServletException, IOException {  
        // TODO Auto-generated method stub  
        doGet(request, response);  
    }  
  
}
```

CHAPTER 6

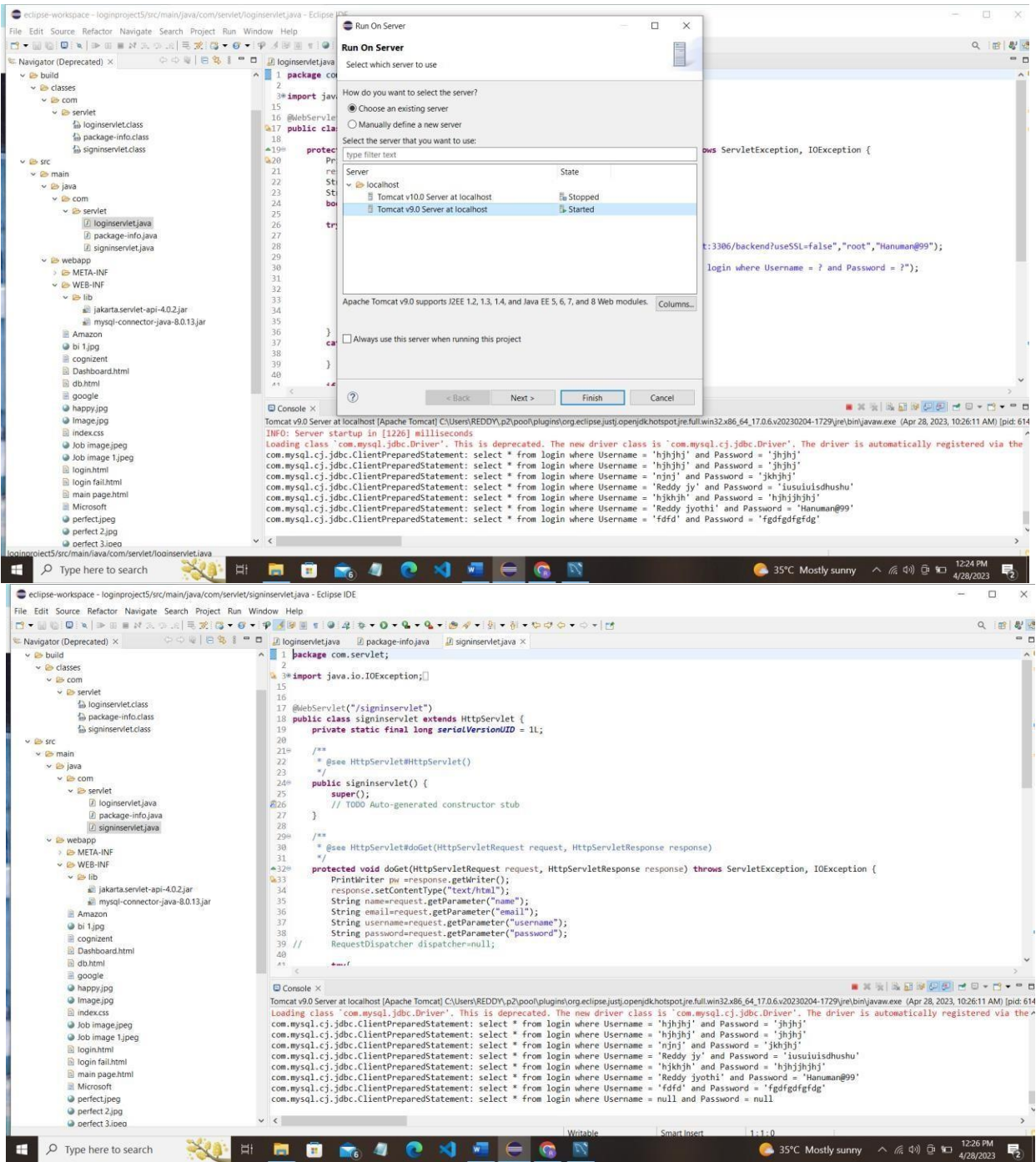
WEB HOSTING IN CLOUD

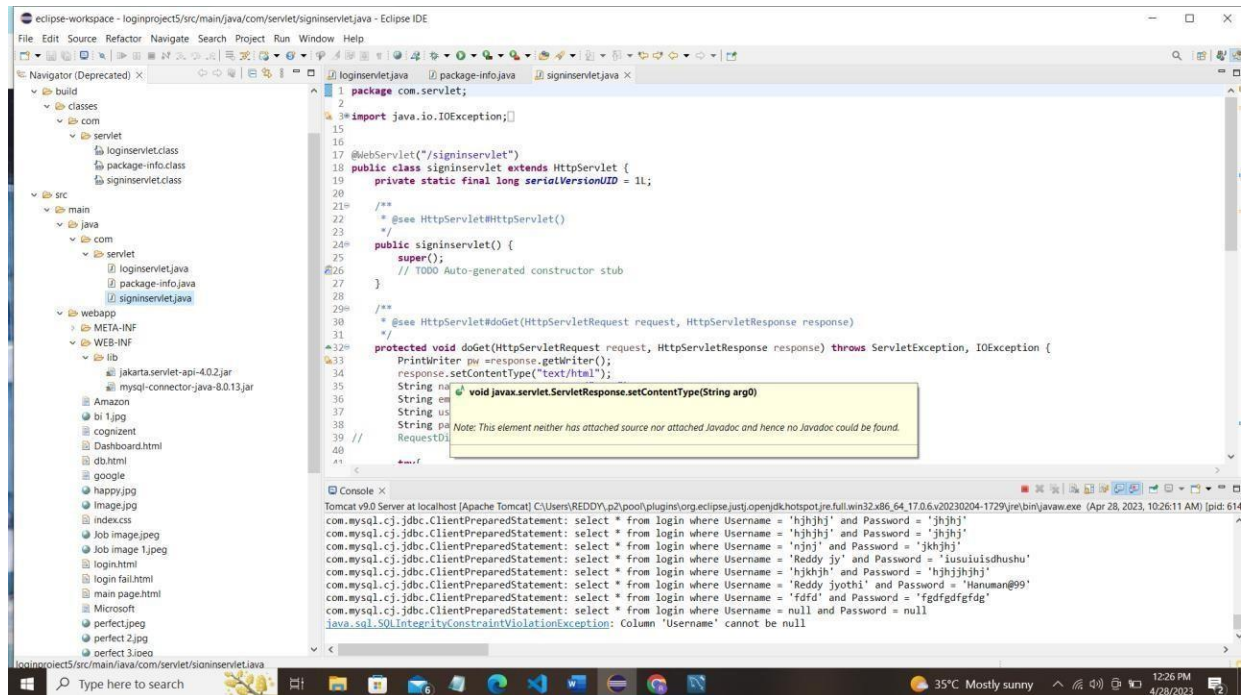
1. **Create an S3 bucket:** Log in to your AWS Management Console, navigate to the S3 service, and create a new bucket. Choose a unique name for your bucket, and ensure that it's in the same region as your website visitors.
2. **Enable static website hosting:** In the properties section of your bucket, enable static website hosting. Provide the name of your default index document (e.g., index.html).
3. **Upload your website files:** Use the AWS Management Console or any S3-compatible client to upload your website files to the S3 bucket. Make sure to set the appropriate permissions so that the files can be accessed publicly.
4. **Set up a DNS record:** To make your website accessible to visitors, you'll need to create a DNS record that maps your domain name to the S3 bucket. You can either use Amazon Route 53 or your domain registrar's DNS service.
5. **Verify your website:** Once your DNS record is propagated, you can verify that your website is working by visiting your domain name in a web browser. It should display your website homepage.





SCREEN SHOTS





CHAPTER 8

CONCLUSION AND FUTURE WORK

Conclusion:

In conclusion, a blogging website can be a powerful tool for individuals, businesses, and organizations to share their ideas, promote their brand, connect with their audience, and build a community around their niche. To create a successful blogging website, it's important to have a clear focus and strategy, create high-quality and engaging content, optimize the website for search engines, and promote the website through social media and other channels. With dedication, persistence, and a commitment to providing value to your audience, a blogging website can be a rewarding and fulfilling endeavor.

Further work:

There are several ways to further develop and improve a blogging website:

1. Expand the content: Creating new and diverse types of content such as videos, podcasts, infographics, and eBooks can attract a wider audience and keep current readers engaged.
2. Engage with the audience: Responding to comments, creating forums, and asking for feedback can foster a sense of community and improve the website's engagement.
3. Optimize for mobile: With more people accessing the internet on mobile devices, optimizing the website for mobile can improve user experience and increase traffic.

4. Promote through social media: Using social media platforms like Facebook, Twitter, and Instagram can increase visibility, drive traffic, and reach new audiences.
5. Collaborate with other bloggers: Collaborating with other bloggers in your niche can help build relationships, create guest posts, and attract new readers.
6. Analyze and improve: Analyzing the website's traffic, engagement, and conversion rates can help identify areas for improvement and guide future content and marketing strategies.

By implementing these strategies and continuously improving the website, it can become a valuable resource for the audience and a successful platform for the blogger.

References

Here are some references that may be useful for creating and improving a blogging website:

1. "The Ultimate Guide to Starting a Blog" by Neil Patel: This comprehensive guide covers everything from choosing a niche to promoting your blog.
2. "10 Elements of a Successful Blog Post" by Hubspot: This article provides tips on creating high-quality blog content that engages readers and drives traffic.
3. "Search Engine Optimization (SEO) Starter Guide" by Google: This guide provides an introduction to SEO and offers tips on optimizing a website for search engines.
4. "Social Media Marketing for Bloggers" by Buffer: This article provides tips on promoting a blog through social media platforms like Facebook, Twitter, and Instagram.
5. "10 Blogging Mistakes to Avoid" by ProBlogger: This article offers advice on common mistakes to avoid when starting and running a blog.
6. "The Content Marketing Institute" by the Content Marketing Institute: This website provides resources and insights on content marketing, including blogging and social media strategies.

These references can provide valuable insights and guidance for creating and improving a successful blogging website.

Github Link: <https://github.com/JayYarlagadda/miniproject054>

AWS hosted link: <http://miniprojec054t.s3-website-us-west-2.amazonaws.com>

