Software Requirements Specification

Simple Blog Web Application

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1 . Introduction

1.1 Purpose

The purpose of this document is to outline the requirements and specifications for the **Simple Blog Web Application**. This web-based application will allow users to create, read, update, and delete blog posts. The application will have a user-friendly interface designed using **Bootstrap** and will store all blog data in a **MySQL** database.

1.2 Scope

This system will enable users to register, log in, create blog posts, edit existing posts, and delete posts. The database will store all blog posts along with user credentials. It will include basic validation, user authentication, and simple CRUD operations.

1.3 Overview

The *Simple Blog Web Application* will allow registered users to:

- Create new blog posts.
- View a list of all posts.
- Read individual blog posts.
- Update and delete blog posts.

The system will be developed using **PHP** for the backend, **Bootstrap** for frontend design, and **MySQL** as the database management system.

1.4 Technology Stack

- **Frontend :** HTML, CSS, Bootstrap**.**
- **Backend** : PHP and **Database** : MySQL.

2. Overall Description

2.1 Product Perspective

The system is a standalone, web-based application designed to manage blog posts. It uses **PHP** for server-side logic, **Bootstrap** for responsive UI design, and **MySQL** to store blog post data. The application operates in a **CRUD** (Create, Read, Update, Delete) environment, providing users with full control over blog content.

2.2 Product Function

Create Posts: Users can add new blog posts with a title and content.

Read Posts : The application will list all blog posts and provide the ability to read the full post.

Update Posts : Users can update the content and title of their existing posts.

Delete Posts : Users can delete their posts from the system.

Authentication : Only authenticated users will be able to perform CRUD operations.

2.3 User Characteristics

- **Admin Users :** Full access to all CRUD operations.
- **Guest Users :** Can only view posts (if this feature is extended in the future).

2.4 Assumptions and Dependencies

- Users will access the application through a web browser.
- The system will be hosted on a PHP-compatible web server (Apache, Nginx, etc.).
- MySQL must be installed and properly configured on the server. Users are assumed to have basic knowledge of how to interact with web applications.

3. System Features

3.1 Create Blog Posts

Description : Authenticated users can create new blog posts by submitting a form with a title and content.

Functional Requirements :

- Users must be logged in to create a blog post.
- The form for creating posts should validate required fields.
- The new post should be stored in the **MySQL** database.

Inputs :

- None.

3.2 Read Blog Posts

Description : The homepage will list all the blog posts in descending order of creation date. Users can click on individual posts to view their full content.

Functional Requirements :

- Posts must be fetched from the database and displayed.
- Post content should be limited to a preview (e.g., first 100 characters) on the homepage.

Inputs :

- None.

3.3 Update Blog Posts

Description : Users can update the title and content of an existing post.

Functional Requirements :

- Only authenticated users can edit posts.
- The system should retrieve the current post data and pre-fill the form for editing.
- The updated post should be saved in the database.

Inputs :

- Post ID, Title, Content.

3.4 Delete Blog Posts

Description : Authenticated users can delete their blog posts.

Functional Requirements :

- Only the post's author can delete it.
- The system should confirm before deletion.
- The post should be removed from the database.

Inputs :

- Post ID.

3.5 User Authentication

Description : Users must log in to create, update, or delete posts.

Functional Requirements :

- The system must validate the username and password.
- Only authenticated users can access post management features.
- Passwords should be securely stored (e.g., hashed with bcrypt).

Inputs :

- Username, Password.

4. External Interface Requirements

4.1 User Interfaces

- **Homepage :** Displays all blog posts with titles and previews.
- **Post Creation Page :** Form to create a new post.
- **Post Editing Page :** Form to update an existing post.
- **Post View Page :** Displays the full content of a single post.
- **Login Page :** Allows users to authenticate.

4.2 Hardware Interfaces

- The application is designed to run on a server capable of hosting PHP and MySQL.

4.3 Software Interfaces

- The system interacts with a **MySQL** database to store blog post data.
- The front-end design is implemented using **Bootstrap** for responsive UI.

5. Non-Functional Requirements

5.1 Performance Requirements

- The system should load blog posts from the database within 2 seconds.
- The application should handle up to 1000 concurrent users.

5.2 Security Requirements

- Passwords should be hashed before storage.
- Users must authenticate before performing any write operations (create, update, delete).

5.3 Usability Requirements

- The application should have a clean and responsive UI, designed using **Bootstrap**.
- The system should be intuitive for non-technical users to manage blog content.

5.4 Scalability

- The system should be scalable to handle more blog posts and users in the future.

6. Source Code

6.1 login.php

```
<?php
if (isset($_POST['login'])){
  $username = $_POST['username'];
  $password = $_POST['password'];
  if ($username == "admin" && $password == "123"){
    session_start();
    $_SESSION["user"] = "admin";
    header("Location:index.php");

  }else{
    header("Location: index.php?error=1");
  }
}
?>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
    <style>
        .error-message {
            color: red;
            background-color: #f8d7da;
            border-color: #f5c6cb;
            padding: 10px;
            border-radius: 5px;
            margin-bottom: 15px;
            display: none;
        }
        .login-form {
            background-color: #f7f7f7;
            padding: 30px;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
        }
    </style>
```

```
</head>
<body>
  <div class="container mt-5" style="max-width:600px">
    <div class="login-form">
      <!-- Error message placeholder -->
      <?php if (isset($_GET['error'])): ?>
        <div class="error-message" id="errorMessage">
          Invalid username or password. Please try again.
        </div>
      <?php endif; ?>

      <form action="login.php" method="post">
        <div class="form-field mb-4">
          <label for="username" class="form-label">Username</label>
          <input class="form-control" type="text" name="username" id="username" placeholder="Username" required>
        </div>
        <div class="form-field mb-4">
          <label for="password" class="form-label">Password</label>
          <input class="form-control" type="password" name="password" id="password" placeholder="Password" required>
        </div>
        <div class="form-field mb-4">
          <input class="btn btn-primary w-100" type="submit" value="Login" name="login">
        </div>
      </form>
      </div>
   </div>
</body>
</html>
```

6.2 index.php

```
<?php
include("templates/header.php");
?>
<div class="posts-list w-100 p-5">
   <!-- For Alert Messege -->
    <?php
    if (isset($_SESSION['create'])){
    ?>
    <div class="alert alert-success">
      <?php
      echo $_SESSION["create"];   // for create
      ?>
    </div>
    <?php
    unset($_SESSION["create"]);
    }
    ?>

   <?php
    if (isset($_SESSION['update'])){
```

```
?>
<div class="alert alert-success">
  <?php
  echo $_SESSION["update"];   // for update
  ?>
</div>
<?php
unset($_SESSION["update"]);
}
?>


<?php
if (isset($_SESSION['delete'])){
?>
<div class="alert alert-success">
  <?php
  echo $_SESSION["delete"];   // for delete
  ?>
</div>
<?php
unset($_SESSION["delete"]);
}
?>
<table class="table table-bordered">
  <thead>
    <tr>
```

```
        <th style="width:15%;">Publication Date</th>
        <th style="width:15%;">Title</th>
        <th style="width:45%;">Article</th>
        <th style="width:25%;">Action</th>
      </tr>
    </thead>
    <tbody>
        <?php
          include("../connect.php");
          $sqlSelect = "SELECT * FROM posts";
          $result = mysqli_query($conn, $sqlSelect);
          while($data = mysqli_fetch_array($result)){
          ?>
          <tr>
            <td><?php echo $data["date"]?></td>
            <td><?php echo $data["title"]?></td>
            <td><?php echo $data["summary"]?></td>
            <td>
              <a class="btn btn-info" href="view.php?id=<?php echo $data["id"]?>">View</a>
              <a class="btn btn-warning" href="edit.php?id=<?php echo $data["id"]?>">Edit</a>
              <a class="btn btn-danger" href="delete.php?id=<?php echo $data["id"]?>">Delete</a>
            </td>
          </tr>
        <?php
```

```
          }
        ?>
    </tbody>
  </table>
</div>


<?php
include("templates/footer.php");
?>
```

6.3 create.php

```
<?php
  include("templates/header.php");
?>
    <div class="create-form w-100 mx-auto p-4" style="max-width:700px;">
      <form action="process.php" method="post">
        <div class="form-field mb-3">
          <input type="text" class="form-control"name="title" id="" placeholder="Enter Title :">
        </div>
        <div class="form-field mb-3">
          <textarea name="summary" class="form-control" id="" cols="30" rows="10" placeholder="Enter Summary :"></textarea>
        </div>
        <div class="form-field mb-3">
          <textarea name="content" class="form-control" id="" cols="30" rows="10" placeholder="Enter Post :"></textarea>
        </div>
```

```
            <input type="hidden" name="date" value="<?php echo date("Y/m/d");?>">
            <div class="form-field">
              <input type="submit" class="btn btn-primary" value="submit" name="create">
            </div>
          </form>
        </div>
<?php
  include("templates/footer.php");
?>
```

6.4 view.php

```
<?php
include("templates/header.php");
?>
<div class="post w-100 bg-light p-5 ">
  <?php
     $id = $_GET["id"];
     if($id){
       include("../connect.php");
       $sqlSelectPosts = "SELECT * FROM posts WHERE id = $id";
       $result = mysqli_query($conn, $sqlSelectPosts);
       while($data = mysqli_fetch_array($result)){
       ?>
       <h1><?php echo $data['title'];?></h1>
       <p><?php echo $data['date'];?></p>
```

```
          <p><?php echo $data['content'];?></p>
          <?php
          }
        }else{
          echo "Post Not Found";
        }
   ?>
</div>
<?php
include("templates/footer.php");
?>
```

6.5 edit.php

```
<?php
   include("templates/header.php");
?>


<?php
$id = $_GET['id'];
if($id){
   include("../connect.php");
   $sqlEdit = "SELECT * FROM posts WHERE id= $id";
   $result = mysqli_query($conn, $sqlEdit);
}else{
   echo "No post found";
```

```
}
?>
    <div class="create-form w-100 mx-auto p-4" style="max-width:700px;">
      <form action="process.php" method="post">
        <?php
        while($data = mysqli_fetch_array($result)){
        ?>


        <div class="form-field mb-3">
          <input type="text" class="form-control"name="title" id="" placeholder="Enter Title :" value="<?php echo $data['title']; ?>">
        </div>
        <div class="form-field mb-3">
          <textarea name="summary" class="form-control" id="" cols="30" rows="10" placeholder="Enter Summary :"><?php echo $data['summary']; ?></textarea>
        </div>
        <div class="form-field mb-3">
          <textarea name="content" class="form-control" id="" cols="30" rows="10" placeholder="Enter Post :"><?php echo $data['content']; ?></textarea>
        </div>
        <input type="hidden" name="date" value="<?php echo date("Y/m/d");?>">
        <input type="hidden" name="id" value="<?php echo $id; ?>">
        <div class="form-field">
          <input type="submit" class="btn btn-primary" value="submit" name="update">
        </div>
```

```
            <?php
            }
            ?>
          </form>
        </div>
<?php
  include("templates/footer.php");
?>
```

6.6 delete.php

```
<?php
$id = $_GET["id"];
if($id){
  include("../connect.php");
  $sqlDelete = "DELETE FROM posts WHERE id = $id";
  if(mysqli_query($conn, $sqlDelete)){
    session_start();
    $_SESSION["delete"] = "Post deleted successfully";
    header("Location:index.php");
  }else{
    die("Something is not write. Data is not declared");
  }
}else{
  echo "Post not found";
}
?>
```

6.7 process.php

```
<?php
  if(isset($_POST["create"])){
    include("../connect.php");
    $title = mysqli_real_escape_string($conn,$_POST["title"]);
    $summary = mysqli_real_escape_string($conn,$_POST["summary"]);
    $content = mysqli_real_escape_string($conn,$_POST["content"]);
    $date = mysqli_real_escape_string($conn,$_POST["date"]);

    $sqlInsert = "INSERT INTO posts(date, title, summary, content) VALUES ('$date','$title','$summary','$content')";
    if(mysqli_query($conn, $sqlInsert)){
      session_start();
      $_SESSION["create"] = "Post added successfully";
      header("Location:index.php");
    }else{
      die("Data is not inserted!");
    }

  }
?>

<?php
  if(isset($_POST["update"])){
    include("../connect.php");
    $title = mysqli_real_escape_string($conn,$_POST["title"]);
    $summary = mysqli_real_escape_string($conn,$_POST["summary"]);
    $content = mysqli_real_escape_string($conn,$_POST["content"]);
    $date = mysqli_real_escape_string($conn,$_POST["date"]);
    $id = mysqli_real_escape_string($conn,$_POST["id"]);
    $sqlUpdate = "UPDATE posts SET title = '$title', summary = '$summary', content = '$content', date = '$date' WHERE id = $id";
    if(mysqli_query($conn, $sqlUpdate)){
      session_start();
      $_SESSION["update"] = "Post updated successfully";
      header("Location:index.php");
    }else{
      die("Data is not Updated!");
    }

  }
?>
```

6.8 header.php

```
<?php
session_start();
if (!isset($_SESSION["user"])){
  header("Location:login.php");
}
?>

<!DOCTYPE html>
```

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Dashboard</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
  <div class="dashboard d-flex justify-content-between ">
    <div class="sidebar bg-dark vh-100 ">
      <h1 class="bg-primary p-4"><a href="./index.php" class="text-light text-decoration-none">Dashboard</a></h1>
      <!-- For Menues after the Dashboard -->
       <div class="menues p-4 mt-5">
        <div class="menu">
          <a href="create.php" class="text-light text-decoration-none "><strong>Add New Post</strong></a>
        </div>
        <div class="menu mt-5">
          <a href="../index.php" class="text-light text-decoration-none "><strong>View website</strong></a>
        </div>
        <div class="menu mt-5">
          <a href="logout.php" class="btn btn-info">Logout</a>
        </div>
       </div>
```

```
 </div>
```

6.9 footer.php

```
</div>
</body>
</html>
```

6.10 connect.php

```
<?php
$dbHost = "localhost:3307";
$dbUsername = "root";
$dbPassword = "";
$dbName = "cms";

$conn = mysqli_connect($dbHost, $dbUsername, $dbPassword, $dbName);
if(!$conn){
   die("Something went wrong. Database is not connected;");
}
?>
```

6.11 index.php (for Front End)

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Blog</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
  <!-- Header session -->
  <header class="p-4 bg-dark text-center ">
    <h1><a href="index.php" class="text-light text-decoration-none">Simple Blog</a></h1>
  </header>
  <div class="post-list mt-5">
    <div class="container">
      <?php
        include("connect.php");
        $sqlSelect = "SELECT * FROM posts";
        $result = mysqli_query($conn, $sqlSelect);
        while($data = mysqli_fetch_array($result)){
        ?>
          <div class="row mb-4 p-5 bg-light">
            <div class="col-sm-2">
```

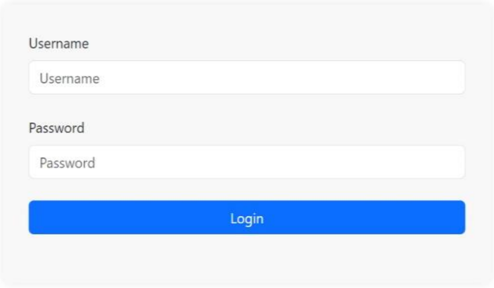
```
                <?php echo $data["date"];?>
              </div>
              <div class="col-sm-3">
                <h3><?php echo $data["title"];?></h3>
              </div>
              <div class="col-sm-5">
                <?php echo $data["content"];?>
              </div>
              <div class="col-sm-2">
                <a href="view.php?id=<?php echo $data['id'];?>" class="btn btn-primary">READ MORE</a>
              </div>
            </div>
          <?php
          }
        ?>
      </div>
    </div>

    <!-- Footer session-->
    <div class="footer bg-dark p-4 mt-4">
      <a href="admin/index.php" class="text-light">Admin Panel</a>
    </div>
</body>
</html>
```

6.12 view.php (for Front End)

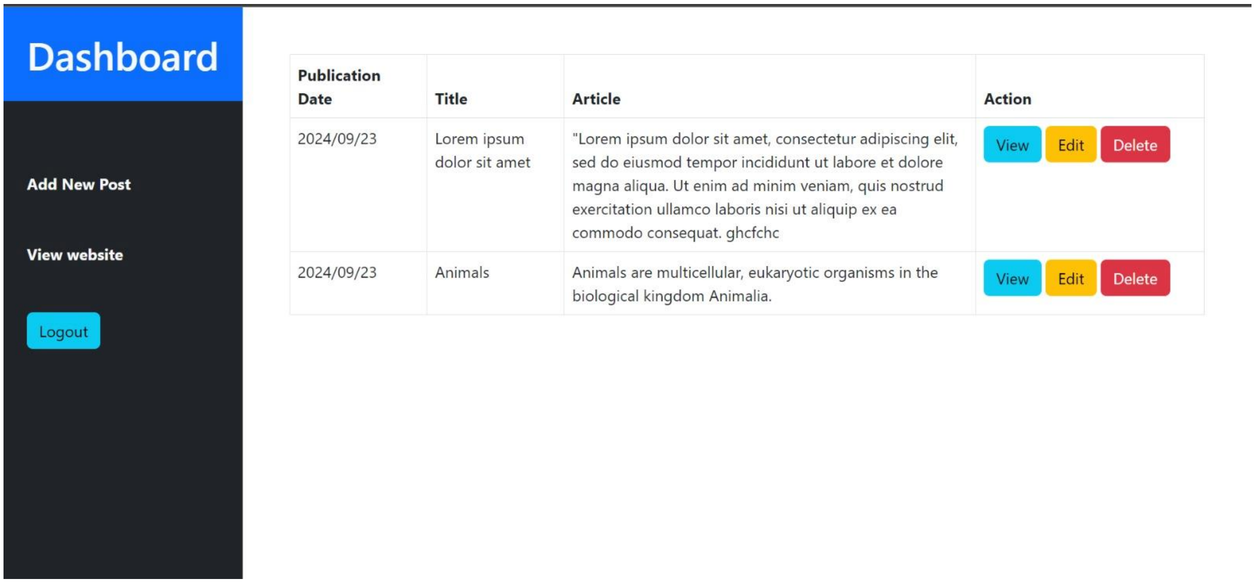
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Simple Blog</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
  <!-- Header session -->
  <header class="p-4 bg-dark text-center ">
    <h1><a href="index.php" class="text-light text-decoration-none">Simple Blog</a></h1>
  </header>
  <div class="post-list mt-5">
    <div class="container">
      <?php
        $id = $_GET['id']; // Here i am changing something
        if($id){
          include("connect.php");
          $sqlSelect = "SELECT * FROM posts WHERE id = $id";
          $result = mysqli_query($conn, $sqlSelect);
          while($data = mysqli_fetch_array($result)){
          ?>
      <div class="post bg-light p-4 mt-5">
       <h1><?php echo $data['title'];?></h1>
       <p><?php echo $data['date'];?></p>
       <p><?php echo $data['content'];?></p>
      </div>
     <?php
     }
    }else{
     echo "No post found";
    }
   ?>
  </div>
 </div>
 <!-- Footer session -->
 <div class="footer bg-dark p-4 mt-4">
  <a href="admin/index.php" class="text-light">Admin Panel</a>
 </div>
</body>
</html>
```

7 . Screenshots

7.1 Login Page Screenshot

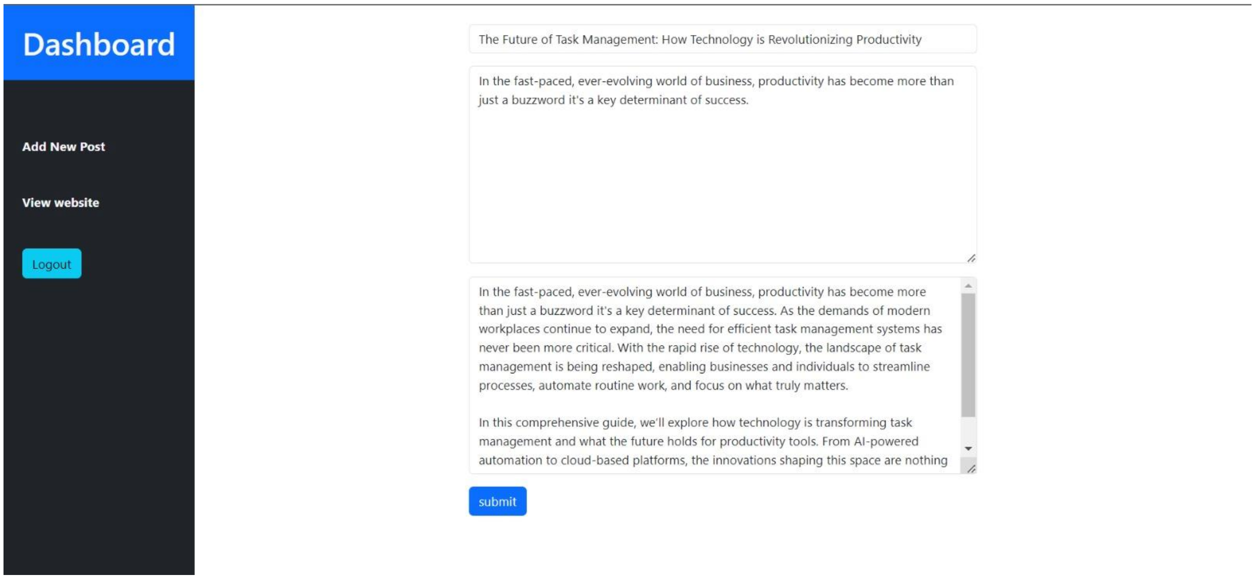


7.2 After Login Screenshot



Publication Date	Title	Article	Action
2024/09/23	Lorem ipsum dolor sit amet	"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. ghcfchc	View Edit Delete
2024/09/23	Animals	Animals are multicellular, eukaryotic organisms in the biological kingdom Animalia.	View Edit Delete

7.3 Create New Screenshot



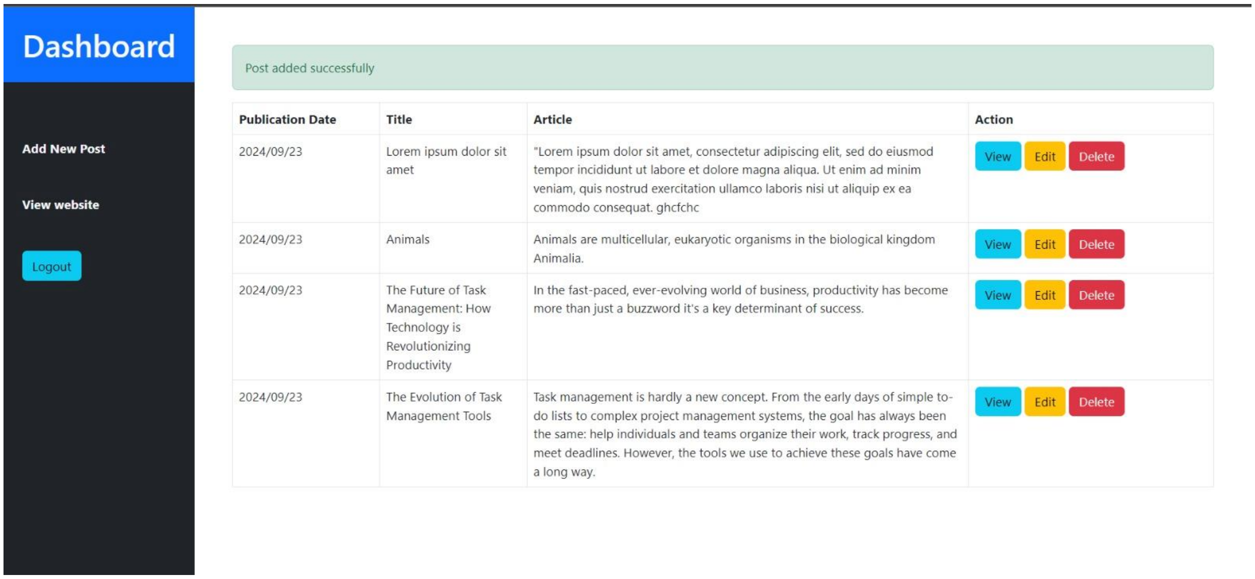
The Future of Task Management: How Technology is Revolutionizing Productivity

In the fast-paced, ever-evolving world of business, productivity has become more than just a buzzword it's a key determinant of success.

In the fast-paced, ever-evolving world of business, productivity has become more than just a buzzword it's a key determinant of success. As the demands of modern workplaces continue to expand, the need for efficient task management systems has never been more critical. With the rapid rise of technology, the landscape of task management is being reshaped, enabling businesses and individuals to streamline processes, automate routine work, and focus on what truly matters.

In this comprehensive guide, we'll explore how technology is transforming task management and what the future holds for productivity tools. From AI-powered automation to cloud-based platforms, the innovations shaping this space are nothing

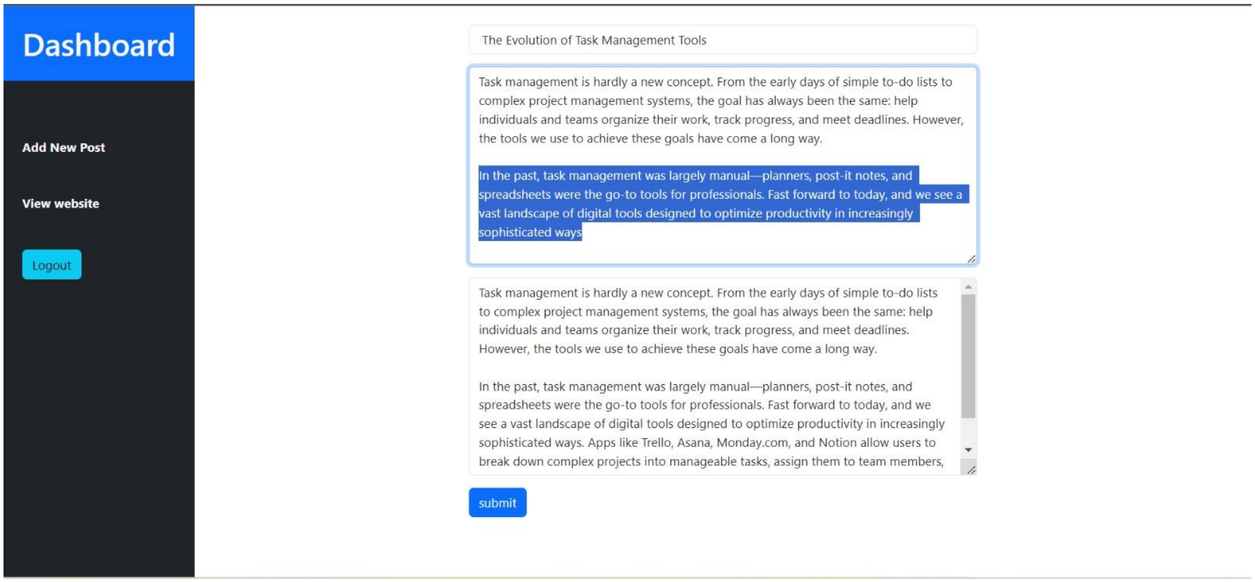
7.4 After creating post Screenshot



Post added successfully

Publication Date	Title	Article	Action
2024/09/23	Lorem ipsum dolor sit amet	"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. ghcfchc	View Edit Delete
2024/09/23	Animals	Animals are multicellular, eukaryotic organisms in the biological kingdom Animalia.	View Edit Delete
2024/09/23	The Future of Task Management: How Technology is Revolutionizing Productivity	In the fast-paced, ever-evolving world of business, productivity has become more than just a buzzword it's a key determinant of success.	View Edit Delete
2024/09/23	The Evolution of Task Management Tools	Task management is hardly a new concept. From the early days of simple to-do lists to complex project management systems, the goal has always been the same: help individuals and teams organize their work, track progress, and meet deadlines. However, the tools we use to achieve these goals have come a long way.	View Edit Delete

7.6 Edit Exixting Post Screenshot



The Evolution of Task Management Tools

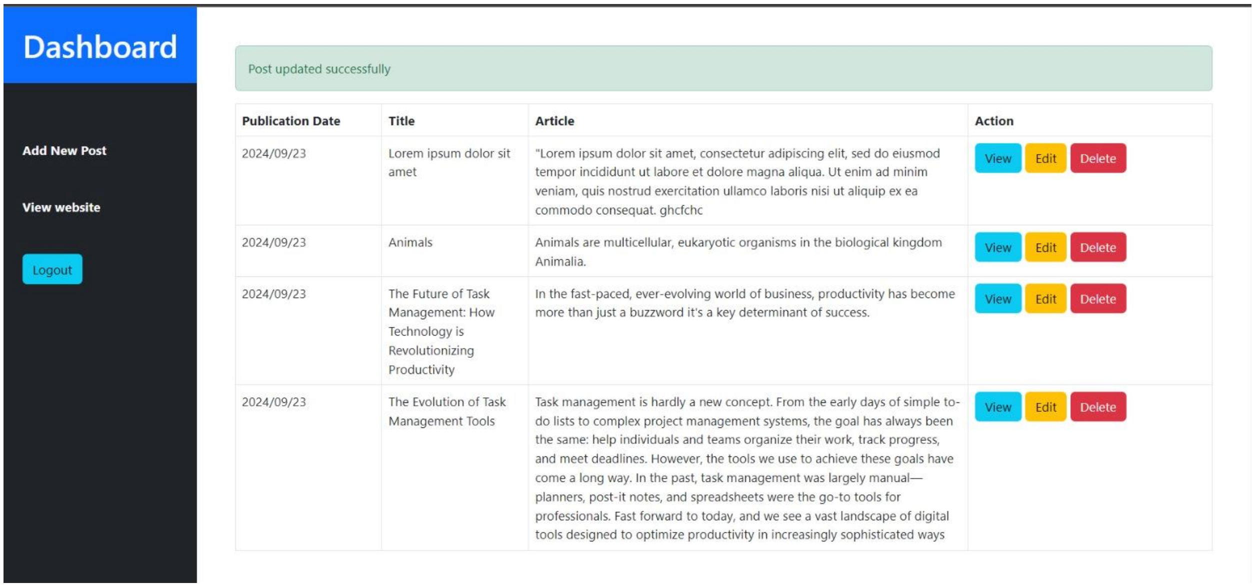
Task management is hardly a new concept. From the early days of simple to-do lists to complex project management systems, the goal has always been the same: help individuals and teams organize their work, track progress, and meet deadlines. However, the tools we use to achieve these goals have come a long way.

In the past, task management was largely manual—planners, post-it notes, and spreadsheets were the go-to tools for professionals. Fast forward to today, and we see a vast landscape of digital tools designed to optimize productivity in increasingly sophisticated ways

Task management is hardly a new concept. From the early days of simple to-do lists to complex project management systems, the goal has always been the same: help individuals and teams organize their work, track progress, and meet deadlines. However, the tools we use to achieve these goals have come a long way.

In the past, task management was largely manual—planners, post-it notes, and spreadsheets were the go-to tools for professionals. Fast forward to today, and we see a vast landscape of digital tools designed to optimize productivity in increasingly sophisticated ways. Apps like Trello, Asana, Monday.com, and Notion allow users to break down complex projects into manageable tasks, assign them to team members,

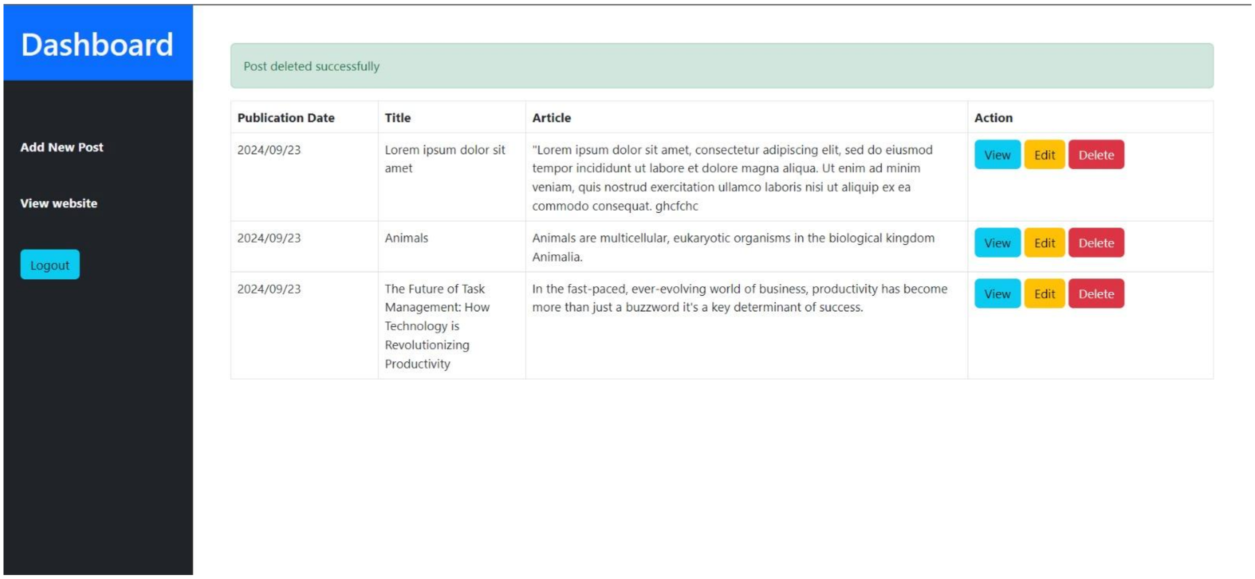
7.7 After Editing Post Screenshot



Post updated successfully

Publication Date	Title	Article	Action
2024/09/23	Lorem ipsum dolor sit amet	"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. ghcfchc	View Edit Delete
2024/09/23	Animals	Animals are multicellular, eukaryotic organisms in the biological kingdom Animalia.	View Edit Delete
2024/09/23	The Future of Task Management: How Technology is Revolutionizing Productivity	In the fast-paced, ever-evolving world of business, productivity has become more than just a buzzword it's a key determinant of success.	View Edit Delete
2024/09/23	The Evolution of Task Management Tools	Task management is hardly a new concept. From the early days of simple to-do lists to complex project management systems, the goal has always been the same: help individuals and teams organize their work, track progress, and meet deadlines. However, the tools we use to achieve these goals have come a long way. In the past, task management was largely manual—planners, post-it notes, and spreadsheets were the go-to tools for professionals. Fast forward to today, and we see a vast landscape of digital tools designed to optimize productivity in increasingly sophisticated ways	View Edit Delete

7.8 Delete Post Screenshot



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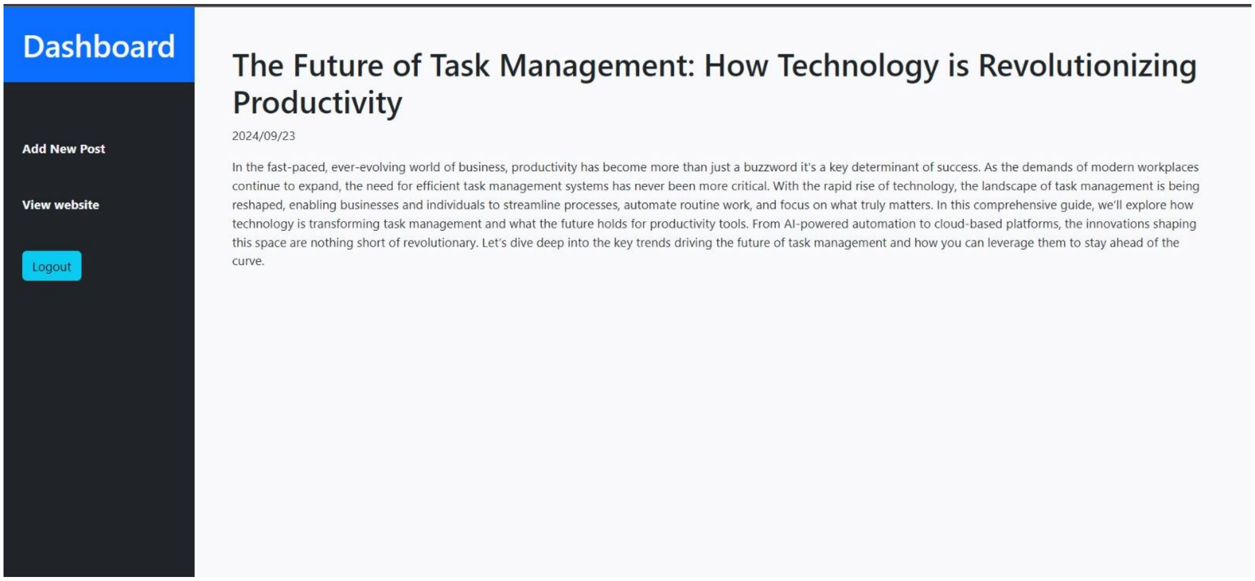
Publication Date	Title	Article	Action
2024/09/23	Lorem ipsum dolor sit amet	"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. ghcfchc	View Edit Delete
2024/09/23	Animals	Animals are multicellular, eukaryotic organisms in the biological kingdom Animalia.	View Edit Delete
2024/09/23	The Future of Task Management: How Technology is Revolutionizing Productivity	In the fast-paced, ever-evolving world of business, productivity has become more than just a buzzword it's a key determinant of success.	View Edit Delete

7.9 View Post Screenshot

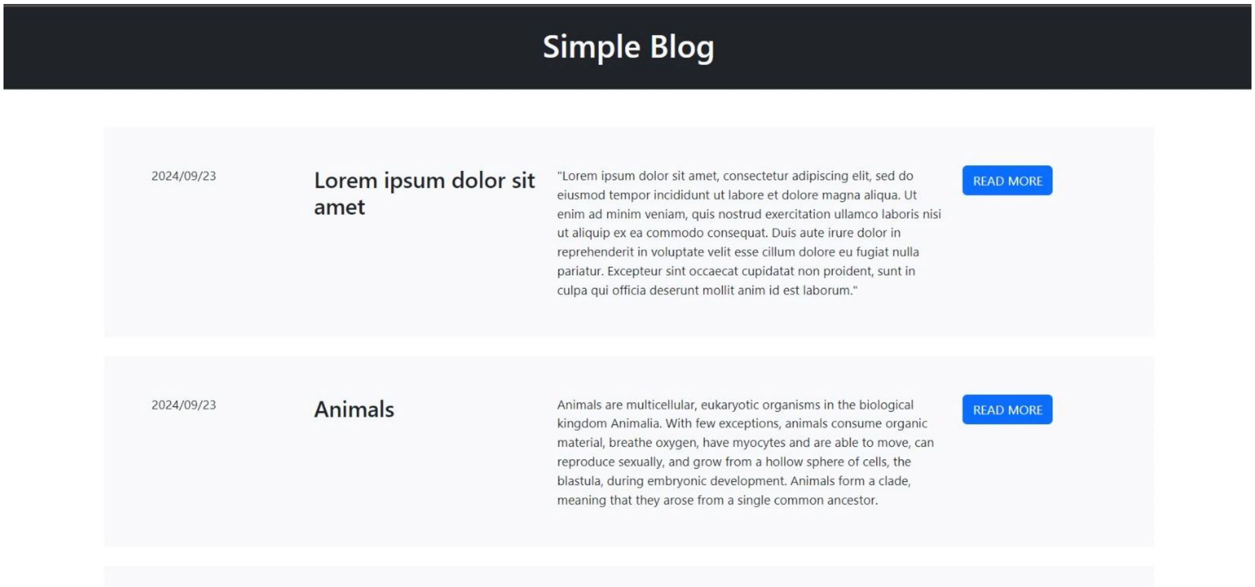


The Future of Task Management: How Technology is Revolutionizing Productivity

2024/09/23

In the fast-paced, ever-evolving world of business, productivity has become more than just a buzzword it's a key determinant of success. As the demands of modern workplaces continue to expand, the need for efficient task management systems has never been more critical. With the rapid rise of technology, the landscape of task management is being reshaped, enabling businesses and individuals to streamline processes, automate routine work, and focus on what truly matters. In this comprehensive guide, we'll explore how technology is transforming task management and what the future holds for productivity tools. From AI-powered automation to cloud-based platforms, the innovations shaping this space are nothing short of revolutionary. Let's dive deep into the key trends driving the future of task management and how you can leverage them to stay ahead of the curve.

7.10 View website and Header Screenshot



Simple Blog

2024/09/23

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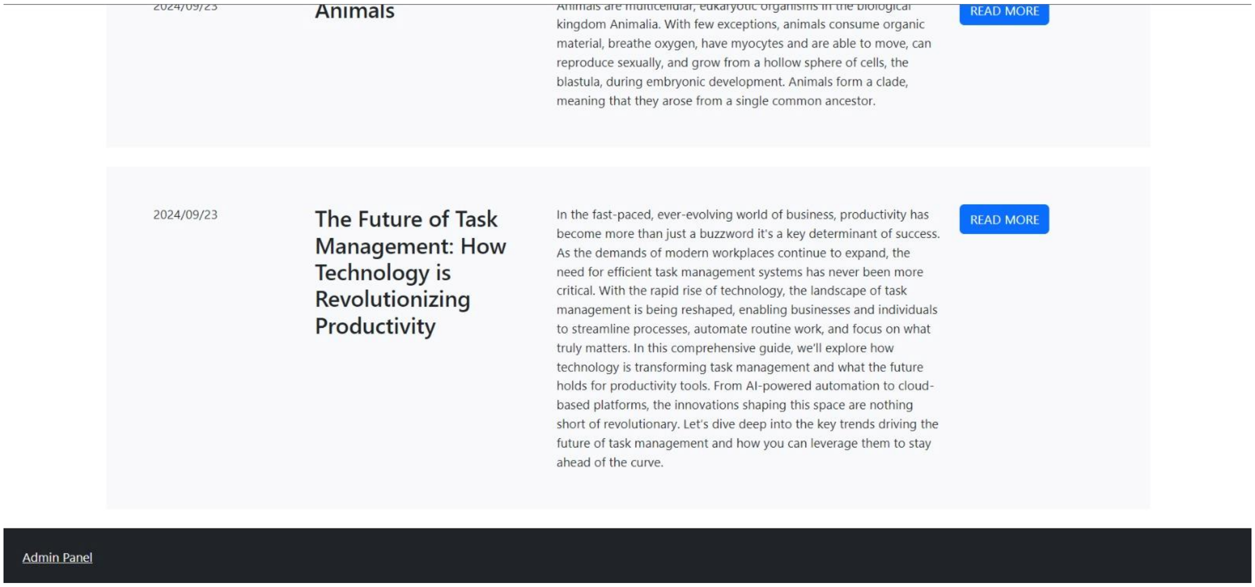
2024/09/23

Animals

Animals are multicellular, eukaryotic organisms in the biological kingdom Animalia. With few exceptions, animals consume organic material, breathe oxygen, have myocytes and are able to move, can reproduce sexually, and grow from a hollow sphere of cells, the blastula, during embryonic development. Animals form a clade, meaning that they arose from a single common ancestor.

7.11 View website and Footer Screenshot



2024/09/23

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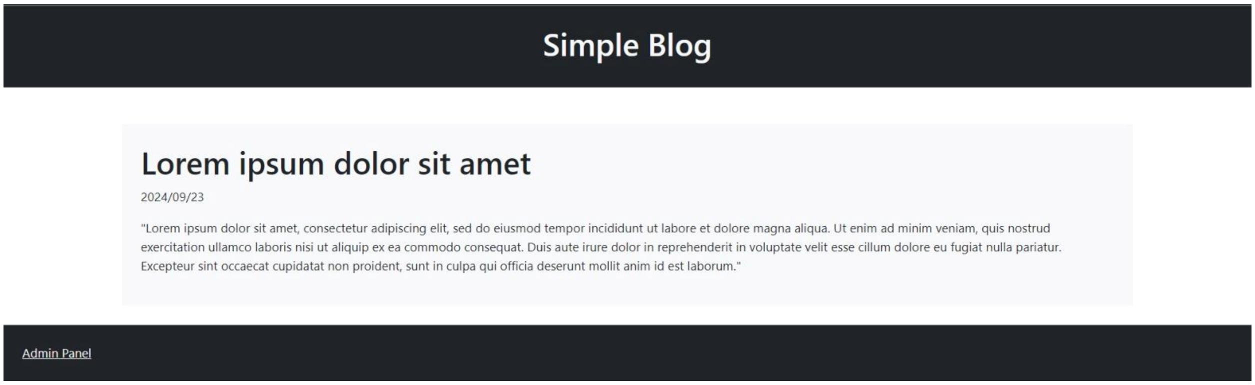
7.12 After press Read More button Screenshot



Simple Blog

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2024/09/23

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8. Conclusion

The Simple Blog with Bootstrap and MySQL project successfully demonstrates the core functionality of a blog management system using PHP for backend logic, Bootstrap for responsive and user-friendly design, and MySQL for data storage. The application allows users to perform essential CRUD operations — creating, reading, updating, and deleting blog posts — with a seamless interface.

This project showcases the practical implementation of key web development concepts, including user authentication, secure data management, and dynamic content rendering. It provides a foundation for further development, such as integrating more advanced features like user roles, comments, and media attachments.

The system achieved its primary goals of being simple, efficient, and easy to use. It is scalable and can be extended in the future to include additional functionalities like pagination, search filters, or rich media content. Overall, the project is a successful demonstration of building a full-stack web application with a focus on performance, usability, and scalability.