

Creating a News website with user and admin roles using C#, ASP.NET

Introduction

Creating a News Website with User and Admin roles using C#, ASP.NET, and MYSQL involves several steps. This is a simplified overview, and I need to add more details and security measures to ensure the website is robust and secure.

1. Set up the Development Environment:

- Install Visual Studio with ASP.NET and C# support.
- Install XAMPP or MYSQL and set up the database for the project.

2. Database Design:

- Design the database schema to store articles, users and comments.
- Create tables for articles, users, and comments with appropriate column and relationships.

3. User Registration and Login:

- Create a registration Page to allow user to sign up with their details.
- Implement Login functionality to authenticate users.

4. User Profile Management:

- Allow users to update their profile information and change password.

5. News Article Management (Admin):

- Create a backend interface for the admin to add, update, and delete news articles.
- Implement authentication for admin access.

6. Displaying Articles:

- Create a front-end interface to display the list of articles to users.
- Allow users to click on an article to view its details and comments.

7. Comment System:

- Implement a comment system where users can leave comments on articles.
- Ensure users can only edit or delete their own comments.

8. User Authentication and Authorization:

- Implement role-based authentication to differentiate between regular users and admin.
- Restrict admin-only functionality to authorized users.

9. Security Measures:

- Sanitize user input to prevent SQL injection and other vulnerabilities.
- Implement proper validation and error handling for user inputs.

10. User Experience:

- Create a user-friendly and responsive front-end design for the website.
- Ensure the website is accessible and easy to navigate.

1. Deployment:

- Host the website on a web server with the required infrastructure.
- Set up database connections for the production environment.