

Assignment focused on building a simple blogging platform using ReactJS for the frontend, Spring Boot with Hibernate for the backend, and MySQL for the database.

Assignment: Building a Blogging Platform

Objective:

Create a basic blogging platform where users can view, create, update, and delete blog posts. Use ReactJS for the frontend, Spring Boot with Hibernate for the backend, and MySQL for data storage.

Requirements:

- Backend (Spring Boot with Hibernate):
 - Set up a Spring Boot application with Java 8.
 - Configure Hibernate for object-relational mapping.
 - Implement entities for User and Post. Each post should have fields like title, content, date, and author.
 - Set up RESTful API endpoints to perform CRUD operations on posts.
 - Implement user authentication (basic username/password) for creating and updating posts.
- Frontend (ReactJS):
 - Create a ReactJS application.
 - Implement components for listing blog posts, creating a new post, updating a post, and deleting a post.
 - Use axios or fetch to interact with the backend API.
 - Implement a simple authentication mechanism for users to log in before creating or updating a post.
- Integration:
 - Connect the ReactJS frontend to the Spring Boot backend.
 - Ensure that the frontend and backend can communicate with each other using RESTful API calls.
- User Interface (UI):
 - Design a clean and user-friendly UI for displaying a list of blog posts and managing individual posts.
 - Include forms for creating and updating blog posts.
 - Display the author's username and the post's date along with the content.
- Additional Features (Optional):
 - Add pagination for the list of blog posts.
 - Include basic input validation on the frontend and backend.
 - Allow users to view the details of a specific post by clicking on it.
 - Implement user registration functionality.