

Title: Node & Express Project

Description: Create a Node.js and Express project that implements user authentication, authorization, and CRUD operations. The project will have two types of users: Admin and User. Admin users will have full CRUD privileges, while User users will be limited to read and update operations.

Tasks:

1. User Authentication:
 - Implement user registration with hashed passwords.
 - Develop a login system using JSON Web Tokens (JWT) or Session for secure user authentication.
 - Create a user model with fields for username, email, and hashed password.
2. User Authorization:
 - Define two user roles: Admin and User.
 - Implement role-based authorization to control access to specific routes and actions.
 - Admin users should have full access, while User users can only read and update data.
3. CRUD Operations:
 - Set up routes for creating, reading, updating, and deleting data.
 - Implement validation for data inputs to ensure data integrity.
 - Create a database schema to store relevant data (e.g., articles, products, or any other relevant entity).
4. Create API Endpoints:
 - Design API endpoints for CRUD operations.
 - Implement route handlers to handle requests, including checking user roles for authorization.
5. Frontend (optional):
 - Develop a frontend interface for users to interact with the application.
 - Create forms and UI components to perform CRUD operations.
 - Secure frontend routes and components based on user roles and authentication status.
6. Documentation:
 - Create clear and concise documentation for the project, including API endpoints and how to use the application.