

Full-Stack Developer Intern Assignment

Objective:

Develop a web application where users can log in, view a dashboard with multiple projects, and upload files to each project. The backend should handle user authentication, project management, and file uploads, while the frontend should provide a clean and responsive interface.

Requirements:

1. User Authentication:

- Implement user registration and login features.
- Use a simple authentication method (username and password).
- Ensure secure session management for logged-in users.

2. Dashboard:

- After logging in, users should be directed to a dashboard.
- The dashboard should display a list of projects, each represented by a card or list item in a sidebar for easy navigation.

3. Project Page: - Clicking on a project in the sidebar should open the project's page on the right side. - Each project page should have: - A file upload drop zone for uploading files (allowing to drag and drop files anywhere).

- A list of all uploaded files for that project, visible whenever the page is accessed.

Full-Stack Developer Intern Assignment

4. Backend Development:

- Use a Python-based backend framework (Django preferred).
- Implement RESTful APIs for user authentication, project management, and file handling.
- Use a simple database (e.g., SQLite or PostgreSQL) to store user data, project details, and file metadata.

5. Frontend Development:

- Use Next.js for the frontend framework.
- Style the application using Tailwind CSS and Shadcn for UI components.
- Ensure the interface is responsive and user-friendly.
- Implement client-side routing for smooth navigation between the dashboard and project pages.

6. Additional Requirements:

- No plagiarism or AI-generated code; the goal is to learn and demonstrate your coding skills.
- Document the project setup, including a README with installation, usage instructions, and any dependencies.
- Follow best practices for code quality and organization.

Submission:

Submission:

- Submit a detailed video walkthrough of your project, explaining your code, design choices, and demonstrating the application's functionality.
- Upload the video to YouTube and share the link.
- Provide the GitHub repository link with the complete source code and documentation.
- Ensure the video covers all aspects of the project, from setup to a full demonstration.
- The deadline for submission is 11th

August, 2024.

Full-Stack Developer Intern Assignment

Evaluation Criteria:

Evaluation Criteria:

- Functionality completeness and accuracy.
- Code quality and adherence to best practices.
- UI/UX design and responsiveness.
- Creativity and problem-solving approach.

- Clarity and thoroughness of the video explanation.

This assignment is designed to evaluate your coding skills, creativity, and ability to clearly communicate your work. We look forward to seeing your unique approach and understanding of full stack development.

For any queries reachout to sidkarthik@excentrix.tech

Good luck!

