Project Title	Resume Builder App
Technologies	MERN
Domain	Utility
Project Level	Hard

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1. Problem Statement:

Design a Resume Builder Application using the MERN Stack

1.1. Overview of MERN Stack and Resume Builder Application

With the JavaScript stack MERN, full-stack web applications may be launched more rapidly and simply. The four technologies MongoDB, Express, React, and Node.js make up the MERN Stack. The development process is intended to be streamlined and made simpler.

These four powerful technologies each offer programmers a comprehensive working environment and significantly facilitate the development of web applications.

Resume Builder is a powerful tool which can be used to create a resume easily by providing your details in that. The tool will create a resume for you and you can select a resume of your choice to download.

Note: To understand the project better, you may go to **Novo Resume builder**.

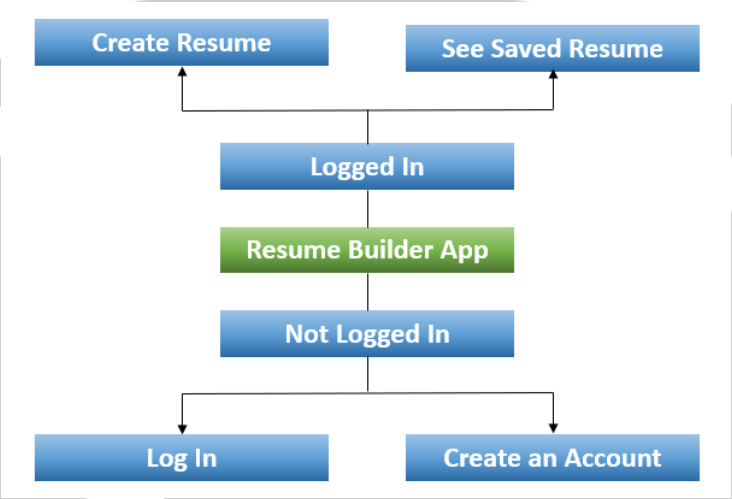
1.1.1 These are the expected features that your platform should include

Your platform ought to provide at least these many features-

a. The platform ought to feature a way for authenticating users so that they can log in as registered users and establish new accounts to use the platform.
b. A user should be able to select from at least 5 different templates.
c. A user must choose a template and fill it out with his or her own information to create a new resume.
d. Once the user has entered all the necessary information for a given template, the resume should be generated.

e. The platform must be able to manage the diverse input requirements that several templates may have.
f. A user should be able to download or save the resume they've prepared on the site to their own computer.

Low Level user flow



1.2. Project Objective

• **Resume Builder App:** Although creating a resume appears to be a simple task, this is not the case. Many students and working professionals will benefit from a resume building platform in the near future.

• **User-friendliness:** An easy-to-use website where anyone may make a resume by selecting a template there and making the necessary changes.

1.3. Scope of The Project

1. Building a resume can be a nightmare for college graduates and even for professionals in the workforce. This assignment will be beneficial to many students who are trying to write resumes.

2. It will lessen the stress of writing a resume from scratch for a newbie.

1.4. Functional and Non-Functional Requirements: -

1.4.1. Functional Requirements

1. **User Registration:** The user should be logged in to save his resume created on the platform. A user can login or can register over the platform to save his progress over the platform.

2. **Creating New Resume:** A user can select any of the given template to create his new resume by editing the selected template.

3. **Dashboard:** From the dashboard the user can see all his saved resume and even can download his resume from there.

1.4.2. Non-Functional Requirements

1. **Privacy:** All user data saved on the platform should be safe and secure.

2. **Robustness:** Data should be saved on an online server so that a user can access it in the event of a system failure.

3. **Performance:** To load rapidly, the application should be lightweight.

1.5. Use Case Table

Authentication System	Register, Login, Logout	User
Template	Resume Template to Choose	User
User Dashboard	Display Users created resume	User

Table 1. Use Case

2. Project Evaluation Metrics:

2.1. Code:

- You are supposed to write code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system).
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include the basic workflow and execution of the entire project in the readme file on GitHub.
- Follow the coding standards.

2.2. Database:

MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas.

2.3. API Details or User Interface:

You have to expose your complete solution as an API or try to create a user interface for your model testing. Anything will be fine for us.

2.4. Deployment:

Implementation of reverse proxy, load balancing, and security group is mandatory for deployed applications.

2.5. Solutions Design:

You have to submit complete solution design strategies in High-level Document (HLD), Low-level Document (LLD), and Wireframe documents**.**

2.6. System Architecture:

You have to submit a system architecture design in your wireframe document and architecture document.

2.7. Optimization of solutions:

Try to optimize your solution on code level, architecture level, and mention all of these things in your final submission.

Mention your test cases for your project.

3. Submission requirements:

3.1. High-level Document:

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Sample link: HLD Document Link

3.2. Low-level document:

You have to create a Low-level document design for your project; you can refer to the LLD from the link below.

Sample link: LLD Document Link

3.3. Architecture:

You have to create an Architecture document design for your project; you can refer to the Architecture from the link below.

Sample link: Architecture sample link

3.4. Wireframe:

You have to create a Wireframe document design for your project; refer to the Wireframe from the link below.

Demo link: Wireframe Document Link

3.5. Project code:

You have to submit your code to the GitHub repo in your dashboard when the final submission of your project.

Demo link: Project code sample link

3.6. Detail project report:

You have to create a detailed project report and submit that document as per the given sample.

Demo link: DPR sample link

3.7. Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link as per the given demo.

3.8. The project LinkedIn a post:

You have to post your project details on LinkedIn and submit that post link in your dashboard in your respective field.