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Faculty Kit

The faculty kit contains the evaluation strategy for the different milestones of the project and any other documents/links that may aid in the evaluation process (like sample quizzes on technologies etc)

Evaluation Strategy/Tips for the different milestones of the project

Objective

This project aims to develop a user-friendly web platform that enables job seekers to create professional resumes using customizable templates and guided assistance. The platform focuses on improving the resume creation experience through intuitive design and future-ready features.

Requirements Specification

Some key points that need to be evaluated on the Requirements Specification document are:

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1. **Clarity of Requirements**: Are the objectives and system capabilities clearly defined? Are non-functional requirements (e.g., responsive design) included?Validity of the assumptions made
2. **Assumptions Validity**: Are the assumptions (e.g., internet access, user device compatibility) reasonable?
3. **Team Understanding**: Can all team members explain the specifications confidently?
4. **Presentation Quality**: Is the documentation well-structured, with clear sections for functional and non-functional requirements?

Technology Familiarization

Evaluation Criteria:

1. **Technical Presentation**: Can the team explain how technologies like HTML, CSS, JS, Node.js, and MongoDB work together?

2. **Tool Selection Justification**: Why did the team choose these technologies? Were other stacks considered (e.g., MERN, MEVN)?
3. **Understanding Depth**: Can the team answer questions on REST APIs, form handling, templating engines, or frontend frameworks?
4. **Quiz/Interaction**: Conduct a brief quiz or discussion to assess familiarity with core concepts.

Database Design

1. **Schema Design**: Are key entities (User, Resume, Template, Section) correctly structured with relationships?
2. **Use of Primary/Foreign Keys**: Are data integrity and uniqueness maintained?
3. **Storage Considerations**: Is there an understanding of data size, indexing, and potential performance bottlenecks?
4. **Backup & Recovery**: Have basic mechanisms been proposed (e.g., regular dumps, cloud sync)?

High-Level & Detailed Design

Evaluation Criteria:

1. **System Architecture**: Is the architecture clear (e.g., client-server model)?
2. **Flowcharts or Pseudocode**: Are logic flows for user registration, resume generation, etc., presented?
3. **Coverage of Requirements**: Does the design fulfill all key features from the SRS?
4. **Robustness**: How are exceptions like invalid inputs, empty sections, or server downtime handled?
5. **Alternative Designs**: Have trade-offs or alternatives (e.g., drag-and-drop editor vs. form inputs) been discussed?

Front-End Implementation

Evaluation Criteria:

1. **User Interface Design**: Is the design clean, modern, and responsive?
2. **Ease of Use**: Can users intuitively navigate without extensive instructions?
3. **Accessibility**: Are font sizes, contrast ratios, and keyboard accessibility considered?
4. **Help Content**: Are tooltips, sample content, and guidance provided at each step?
5. **Error Handling**: Are errors (e.g., invalid email) displayed clearly?

Integration with Database

Evaluation Criteria:

- **End-to-End Flow**: Can a user sign up, fill details, and generate a resume with data saved and retrieved from the database?
- **Data Persistence**: Are user data and resumes reliably stored and fetched?
- **Functional Testing**: Can the team demonstrate login/logout, data saving, editing, and deletion?
- **System Stability**: Are there any crashes, lags, or broken links?

Test Plan Review

Evaluation Criteria:

1. **Requirement Traceability**: Are all key functionalities covered by test cases?
2. **Detailed Test Cases**: Are there clear steps, expected results, and actual results?
3. **Error & Exception Handling**: Have negative test cases (e.g., empty form, wrong file type) been considered?
4. **Cross-Browser Testing**: Has the team tested the site on Chrome, Firefox, mobile browsers?

Final Review

Evaluation Criteria:

1. **Final Demo**: Smooth, professional demo of all features.
2. **Deployment**: Is the site hosted or deployable? (e.g., GitHub Pages, Netlify, Heroku)
3. **Report Quality**: Does the report include design decisions, implementation details, challenges, and future scope?
4. **Teamwork**: Equal participation and understanding by all members.
5. **Innovation**: Features like AI-based suggestions, niche industry templates, or mobile optimization.

Additional Resources for Faculty

Resource	Purpose
MDN Web Docs	HTML, CSS, JS Documentation
W3Schools HTML Quiz	Quiz for frontend fundamentals
GitHub Pages Guide	Deploying frontend for demo
Zety Resume Builder	Industry benchmark example