**Team Orion**

**Project Name : Orion-CV-Gen**

**Project Description:**

The goal of this project is to create a uniform modeling structure for CV that ensures consistency and ease of use for the end-users. This project will involve developing a web-based platform that allows users to create, edit, and share their CVs seamlessly.

**Functional Requirements:**

* User Registration
* Sign in
* Sign out
* LinkedIn OAuth
* GitHub OAuth
* Google OAuth
* Jwt or session integration
* Profile Dashboard
* Profile Preview
* Template Browsing
* Industry Leading CVs
* Existing CV upload
* CV parsing
* Auto save CV
* Save created CV
* Create CV from Templates
* Add custom sections to CV
* Real-time CV Render
* CV share with link
* Shareable preview pages
* Cover letter generation from CV and job description
* CV collaboration
* CV Feedback
* CV export
* Profile Editor
* Edit Saved CV
* Automated CV feedback
* Automated CV generation from profile based on job description purpose
* Template Rating
* Favorite templates

**Non Functional Requirements:**

* Skill Recommendation Job-based
* Job-based Tech recommendation
* Proofreading
* Should save the work progress every after every changes.
* The system should have a maximum response time of 2 seconds for any user action.
* The system should be able to handle at least 1000 concurrent users.
* The system should have a user-friendly and intuitive interface, with a clean and modern design.
* The system should be accessible to users with disabilities, following the WCAG 2.1 guidelines for web accessibility.
* The system should be compatible with the latest versions of major web browsers (Chrome, Firefox, Safari, Edge) on both desktop and mobile platforms.
* The system should be scalable and able to accommodate future updates and feature additions without compromising performance.
* The system should be secure, with appropriate measures in place to prevent unauthorized access, data breaches, and other security risks.
* The system should be highly available, with minimal downtime and regular backups to prevent data loss.
* The system should be easily maintainable, with clear and organized code,

The following are the requirements and features for the project:

1. Google Auth: Implement Google authentication for the platform, allowing users to sign in using their Google accounts.
2. Sign in: Allow users to sign in to the platform using their email and password.
3. User Registration: Allow new users to register on the platform using their email address and password.
4. Sign out: Allow users to sign out of the platform.
5. JWT or Session Integration: Integrate JWT or session-based authentication for secure access to the platform.
6. LinkedIn and GitHub OAuth: Allow users to sign in to the platform using their LinkedIn and GitHub accounts.
7. Profile Dashboard: Create a user-friendly dashboard that allows users to manage their profiles and CVs.
8. Profile Preview: Allow users to preview their profile before publishing it.
9. Template Browsing: Provide users with a wide range of customizable templates to choose from.
10. Industry-Leading CVs: Provide users with industry-leading CV examples to help them create a professional CV.
11. Existing CV Upload: Allow users to upload their existing CVs to the platform.
12. CV Parsing: Implement a CV parser that extracts relevant information from uploaded CVs.
13. Auto-Save CV: Implement an auto-save feature that saves changes made to the CV in real-time.
14. Save Created CV: Allow users to save their created CVs to their profiles.
15. Skill Recommendation Job-Based: Provide users with relevant skill recommendations based on job requirements.
16. Job-Based Tech Recommendation: Provide users with relevant technology recommendations based on job requirements.
17. Create CV from Templates: Allow users to create their CVs using customizable templates.
18. Add Custom Sections to CV: Allow users to add custom sections to their CVs.
19. Real-Time CV Render: Provide users with a real-time preview of their CVs as they edit them.
20. Tutorial or Blog Page for Instruction: Provide users with tutorials or blog pages that offer guidance on how to create a professional CV.
21. CV Share with Link: Allow users to share their CVs with a unique link.
22. Shareable Preview Pages: Allow users to share preview pages of their CVs.
23. Proofreading: Implement a proofreading feature that checks the user's CV for errors and provides suggestions for improvement.
24. Cover Letter Generation from CV and Job Description: Allow users to generate a cover letter from their CV and job description.
25. Validation on Uniform Modeling: Ensure that the CVs created by users follow the uniform modeling structure.
26. Uniform Modeling: Develop a uniform modeling structure for CV that ensures consistency across all CVs.
27. CV Collaboration: Allow users to collaborate on creating a CV.
28. CV Feedback: Allow users to provide feedback on each other's CVs.
29. Multi-Language Support: Provide support for multiple languages in the platform.
30. CV Export: Allow users to export their CVs in various formats.
31. Web Accessibility: Ensure that the platform is accessible to all users.
32. Profile Editor: Allow users to edit their profiles.
33. Edit Saved CV: Allow users to edit their saved CVs.
34. Automated CV Feedback: Implement an automated feedback system that provides suggestions for improvement on the user's CV.
35. Automated CV Generation from Profile Based on Job Description Purpose: Based on the profile information and the job requirements auto generate a cv for the user.
36. Template Rating : Templates should be rated based on their popularity
37. Favorite templates: User should add their favorite templates and save them.
38. Post Templates: User can share their created templates.