Software Requirements Specification(SRS)
Resume Making App(Resumator)

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0. Preface
The software requirements specification sheet has been prepared after discussing with the Resumator designing and coding team consisting of me(Jahanb Dutta) and Abu Shahid. This document is meant to be read by the team of 1 front end and the backend developer from the IITJ company.

1. Introduction
This is a software requirement specification(srs) sheet for a resume making application that gives you a pdf resume based on the personal information you enter in it.

1.1 Context
Via Resumator, we want to create a web application that gives the users the freedom and ease to make their own resume just by entering the details in sort of stylized forms. The user would enter the various sets of details one by one and get the resume.

1.2 Problem Statement and Scope
The web application will handle the end users only. They will interact with the application in the following manner-
They would enter their work related information such as their contact details, projects, experiences and then the resume making engine will use this information and paste it in a pdf.
The application will also have limits of its own such as, it would not be able to take input for several descriptions where the text size exceeds more than 1000 characters.

1.3 Summary
The srs will contain the general description, the functional and interface requirements and performance requirements followed by the design constraints of the website.
Then it would contain information about the non functional requirements and the budget and schedule of building of the web application.

2. General Description
2.1 Workflow
1)Upon entering the homepage of the webpage, the user will be first directed to the page of personal details. There will be a navbar which will be constantly appearing on

the top. The personal details page will have fields such as name, email, website, and socials such as linkedIn.
2) Upon clicking the next button, the user will be led to the educational details page where he has to enter the institution, start date, end date, qualification and description etc.
3)Upon clicking on the next button, the user will be led to the experience pages where he has to enter the institution he has worked in, the position and duration and description.
4)On the next page, he would have to enter the project details such as title, link and description.
5)The next page, he has to enter the skills and the experience he has.

Finally upon clicking the Download button the backend will process the information and create a resume that the user can download from the frontend.

2.2 Use cases

a)User exceeds the word limit in the description section of the projects page.
- An error would pop up and the user would be used to reduce the amount of words he put in the description section.
b)There are more than 10,000 active users on the website
-Pause the session of the users who have no recent activity in the last 5 minutes to accommodate the new users. The paused users will have to reload to reactivate their session. Further, if there are no more users that can be accommodated, then we redirect them to a 503 internal server error message and request reload later.
c)The hyperlinks pasted by the users in the personal information links and the project links are not valid
-They would be pasted in the resume pdf but would not open to any valid link.

2.3 Overall description of the software product

The software product will be a web application that will be available to web users on chrome, edge,firefox, explorer and safari. The frontend of the product will be dealt in react js, while the backend will be handled in Node Js. The software will also be using asynchronous code to reduce lag. And we will also use 3rd party libraries such as Material UI and react-bootstrap for styling, axios for maintaining rest framework.

3.Functional Requirements

a) pdf making engine-
Data holders for all the fields;routing system for data to the resume making engine;pdf making engine;html to pdf convertor.

b)web application helper features
Navbar consisting of just the name; the form fields consisting of corresponding icons;the field forms consisting of corresponding form helper texts; back and next buttons.

4.Interface Requirements

a) UI interface- the users that interact with the software are the users. The developers would also interact with it to include new features.
b)API Interface- the api that interact with the software are the REST framework managing apis like axios, the html to pdf converter etc.

5. Performance Requirements(Non functional requirement)

The software should account for 10,000 users simultaneously. It should also handle 1,000 requests simultaneously and provide 1,000 responses too.

6. Design Constraints(Non functional requirements)

The software should work well with all browsers including chrome,edge,firefox,safari,explorer. It should be scalable on all ratios of screens for accommodating mobile/tablet/pc users. It should contain screen components that overlay on each other without overlap. It should be infinitely scrollable.

7.1Schedule and budget estimate

Schedule-design of the software frontend on a design tool(figma)-2 weeks,building of the frontend after that-2 months, building of the backend server-2 months, connection of the software with database-2 weeks,beta release, user review-2 weeks, improvement-2 months, full release
Budget-
Monetary: (since it’s an indie project, it can be done for free by the team)
Time:
design- 2 weeks
Frontend-1 month
Backend-1 month
Testing-2 weeks