

Team Noobs

CVWizard

Designing and Planning

1. Introduction :

i. Purpose of this Document

The SRS document would outline the features and capabilities that the CV builder app should have, such as the ability to input user information, select a template, and generate a professional-looking CV. It would also specify non-functional requirements such as usability, accessibility, and performance.

ii. Scope of this document

The main objective of the document is to provide a clear description of the functional and non functional requirements. This document also consists required use case diagrams, flowcharts and UMLs that describes the project.

iii. Overview

CVWizard is aimed at creating a web-based application that allows users to create, edit, and customize professional-looking CVs quickly and easily. The app will provide users with a range of customizable templates to choose from, enabling them to create a unique and eye-catching CV that best showcases their skills, experience, and achievements.

The project will involve the development of a user-friendly interface that allows users to easily navigate through the app and input their personal and professional information. The app will also include features such as spell check, formatting options, and suggestions for improving the content of the CV.

The app will be designed to be compatible with various devices, including desktops, laptops, tablets, and smartphones. Users will be able to save their CVs in various formats, such as PDF or Word, and share them with potential employers via email or social media.

The development of CVWizard will involve the use of various technologies, such as MongoDB, Express, Node, React, socket.io . The app will also utilize third-party APIs and libraries for spell check, formatting, and other functionalities.

The overall goal of the project is to provide users with a user-friendly and efficient tool for creating professional-looking CVs that stand out to potential employers. The app will save users time and effort by providing a streamlined process for creating and customizing CVs, and will empower them to present themselves in the best possible light to prospective employers.

2. General description :

CVWizard is a web-based platform designed to help users create professional-looking CVs quickly and easily. The platform is specifically aimed at job seekers, professionals, and students who are looking to build a strong online presence and present themselves in the best possible light to prospective employers.

One of the key objectives of CVWizard is to provide users with a user-friendly and efficient tool for creating customized CVs that best showcase their skills, experience, and achievements. The platform is designed to be intuitive and easy to use, even for those with limited technical expertise.

Some of the key features of CVWizard include a range of customizable templates to choose from, as well as tools for editing and formatting content, adding personal and professional information, and customizing the layout and design of the CV. The platform also includes spell check, formatting options, and suggestions for improving the content of the CV.

The benefits of using CVWizard are numerous. For job seekers and professionals, the platform provides an effective tool for creating a standout CV that can help them land their dream job. For students, it offers an opportunity to build a strong online presence and showcase their academic achievements and extracurricular activities.

One of the key reasons why CVWizard is so important is that a well-crafted CV can make all the difference in a competitive job market. With the help of the platform, users can create a professional-looking CV that stands out to potential employers and increases their chances of securing an interview.

In addition to its features and benefits, CVWizard also has a strong user community. The platform provides access to a range of resources and support materials, including articles, blog posts, and forums, where users can connect

with other job seekers and professionals and share tips and advice on creating effective CVs. This community aspect of CVWizard makes it a valuable resource for anyone looking to build a successful career.

3. Functional Requirements :

- Create CV
 - Take user inputs
 - a. Education
 - b. Skills
 - c. Experience (Optional)
 - d. Achievements (Optional)
- Generate a view
- Select download format(pdf)
- Update/Edit information
- Export CV
- Formatting (Spell checking)
- Community posts
- Sharing with other users
- Update profile UI
 - Update profile - Personal Information
 - Update profile - Skills & Education
 - Update profile - Projects & Experience

4. Non-Functional Requirements :

- **Performance:**

The platform shall be designed to load quickly and provide a smooth user experience even when a large number of users are accessing it simultaneously. The platform shall be able to handle a high volume of user traffic without experiencing any significant performance issues.
- **Security:**

The platform shall have robust security measures in place to protect user data and prevent unauthorized access or data breaches. The platform shall be designed to comply with relevant data protection laws and regulations.

- **Usability:**

The platform shall be designed to be user-friendly, with an intuitive interface that enables users to navigate the platform and create their CVs without encountering any difficulties. The platform shall be accessible to users with disabilities and shall provide clear instructions and guidance throughout the CV building process.

- **Compatibility:**

The platform shall be designed to be compatible with various web browsers, devices, and operating systems, ensuring that users can access the platform from anywhere and on any device.

- **Reliability:**

The platform shall be designed to be reliable, with a high level of uptime and minimal downtime or maintenance interruptions. The platform shall be able to recover quickly from any system failures or disruptions.

- **Scalability:**

The platform shall be designed to be scalable, allowing it to accommodate an increasing number of users without compromising on performance or reliability.

- **Support and Maintenance:**

The platform shall be regularly maintained, with updates and bug fixes to ensure that it continues to function correctly. The platform shall provide reliable user support to address any technical issues or concerns raised by users.

- **Privacy:**

The platform shall protect user privacy and adhere to relevant data protection laws and regulations. The platform shall have clear privacy policies and shall inform users about how their data is collected, stored, and used.

- **Availability:**

The platform shall be available 24/7, with minimal scheduled maintenance downtime. Users shall be able to access the platform at any time to create, edit, or update their CVs.

5. Performance Requirements:

- **Page load time:**

The platform shall load the main page within 3 seconds of the user's request. Users expect a fast and responsive platform, and a slow loading time can result in a poor user experience.

- **Response Time:**

The platform shall respond to user input within 1 second. Users expect a responsive platform that can process their requests quickly, and a slow response time can result in frustration and a poor user experience.

- **Concurrent Users:**

The platform shall be able to handle a minimum of 1000 concurrent users without any significant degradation in performance. The platform should be able to handle a large number of users simultaneously without compromising on performance or reliability.

- **Peak Usage:**

The platform shall be able to handle a peak load of 2000 concurrent users without any significant degradation in performance. The platform should be able to handle a sudden increase in user traffic without any impact on performance or reliability.

- **Data Retrieval:**

The platform shall retrieve user data and templates within 2 seconds of the user's request.

Users expect a platform that can quickly retrieve their data and templates, and a slow retrieval time can result in a poor user experience.

- **Error Rate:**

The platform shall have an error rate of less than 1% during user interactions. A high error rate can result in frustration and a poor user experience for users.

- **Database Query Time:**

The platform shall execute database queries within 1 second of the user's request. The platform should be able to quickly execute database queries to retrieve user data and templates.

- **Page Size:**

The platform shall keep the size of the web pages small to ensure faster loading times, with a maximum page size of 2 MB. Large web pages can result in slow loading times, which can impact the user experience.

- **Image Size:** The platform shall optimize images to ensure faster loading times, with a maximum image size of 500 KB. Large images can result in slow loading times, which can impact the user experience. Optimizing images can help to improve the loading times of the platform.

6. Technology:

- **Wireframe:**

- Figma

- **Frontend**

- ReactJs

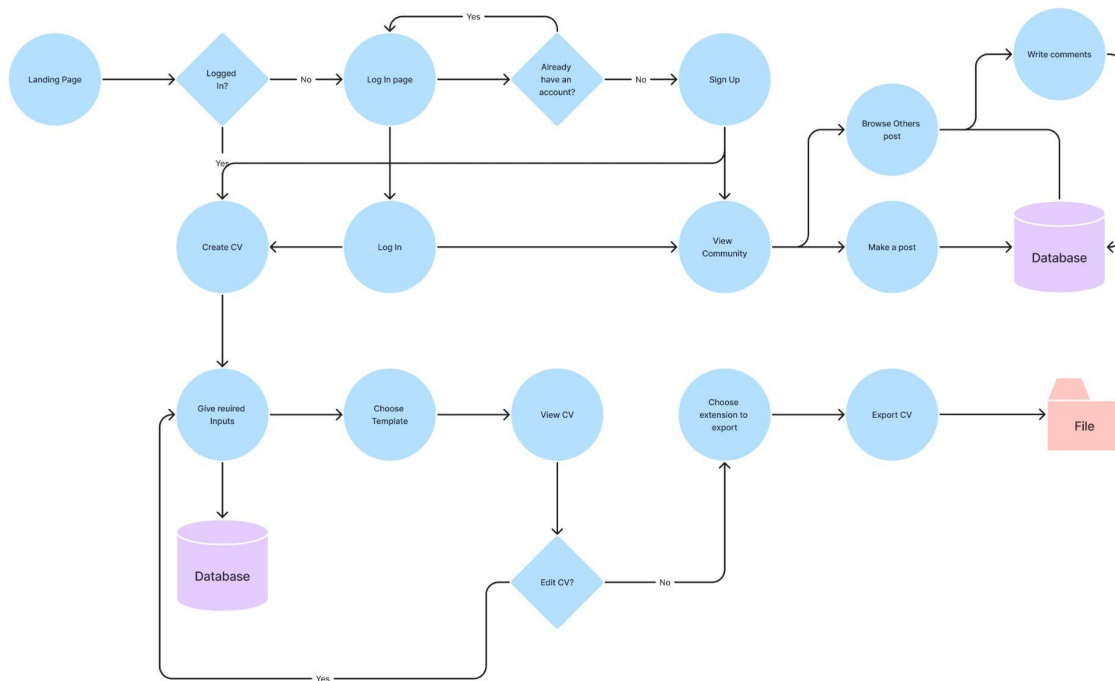
- **Backend**

- ExpressJs
- NodeJS

- **Database**

- MongoDB

7.Flowchart:



Proposed Solution:

- **Data flow and wireframe:**

We created a data flow diagram that shows the flow of data throughout the website. The wireframe is created in Figma. It shows the rough idea of the looks and display of the website.

- **Designing the user interface:**

We create a user-friendly interface that allows users to enter their information easily. The interface is intuitive and provides clear instructions on how to enter the data.

- **Creating a database:**

We set up a database to store the information provided by users. This will allow us to generate the CVs based on the data entered.

- **Defining the inputs:**

The first step is to define the inputs required to generate a CV. These inputs include personal information, education, work experience, skills, achievements, and references.

- **Creating a CV template:**
We design a professional-looking CV template that can be customized based on the user's inputs. The template includes all the necessary sections required for a CV, such as personal information, education, work experience, skills, achievements, and references.
- **Implementation:** We write the code for the web-based platform using MERN stack to make the development process faster and easier.
- **Testing the platform:** We test the platform to ensure that it is functioning correctly and that the CVs generated are accurate and professional-looking.
- **Deploying the platform:** We can deploy the platform to a web server so that it can be accessed by users. We can use a cloud-based platform such as AWS or Google Cloud to host our application.
- **Continuously improving the platform:** We can collect feedback from users and continuously improve the platform to make it more user-friendly and efficient. We can add new features such as multiple CV templates, cover letter generation, and integration with social media platforms.