**Software Requirements Specification (SRS) for Resume Customization Tool (MVP)**

**1. Introduction**

**1.1 Purpose**

The purpose of this document is to define the basic software requirements for the MVP of the Resume Customization Tool (ResumeFit). The tool allows job seekers to upload their base resume, provide a job description, and generate a customized resume tailored to the job requirements. This MVP focuses on core functionality to deliver immediate value with minimal complexity.

**1.2 Scope**

The MVP of ResumeFit is a web-based tool that provides job seekers with the ability to customize their resumes based on job descriptions. The MVP will focus on core features such as resume upload, job description parsing, and basic customization. Additional features like advanced customization options, multiple versions, and integrations will be considered in future iterations.

**1.3 Definitions, Acronyms, and Abbreviations**

* **Base Resume**: The initial resume that the user uploads.
* **Customized Resume**: The modified resume generated based on the job description provided by the user.
* **Job Description (JD)**: A text document that outlines the requirements, qualifications, and responsibilities of a job position.

**1.4 Overview**

This SRS outlines the minimum viable features required to deliver a functional Resume Customization Tool, focusing on essential interactions such as uploading resumes, inputting job descriptions, and generating a customized resume.

**2. Overall Description**

**2.1 Product Perspective**

The MVP will operate as a lightweight web application with a simple, user-friendly interface. Users will upload a base resume, provide a job description, and receive a basic customized resume that emphasizes the skills and qualifications required by the job. The system will use basic text matching techniques to tailor the resume without advanced AI or machine learning features.

**2.2 Product Features**

The MVP will contain only the most essential features, as described below:

* **Resume Upload**: Users will be able to upload their base resume in DOCX or PDF format.
* **Job Description Input**: Users will either upload or paste the text of a job description.
* **Basic Resume Customization**: The system will perform basic keyword matching between the job description and resume, and reorder or prioritize relevant sections in the resume based on the job description.
* **Download Customized Resume**: Users can download the customized resume in the same format as the base resume (DOCX or PDF).

**3. Functional Requirements**

**3.1 User Roles**

* **Job Seeker**: The sole user role for the MVP. Job seekers will upload resumes, input job descriptions, and download the customized resumes.

**3.2 Functional Requirements**

1. **Upload Base Resume**
   * **Description**: Users must be able to upload a base resume in DOCX or PDF format.
   * **Input**: Base resume file.
   * **Output**: Resume parsed for text.
2. **Input Job Description**
   * **Description**: Users will input a job description by pasting text or uploading a file in DOCX or PDF format.
   * **Input**: Job description.
   * **Output**: Parsed text of the job description for analysis.
3. **Basic Resume Customization**
   * **Description**: The system will perform basic text matching between the resume and the job description to identify key skills and qualifications, and prioritize them in the customized resume.
   * **Input**: Parsed resume and job description.
   * **Output**: A modified resume highlighting the key requirements of the job description.
4. **Download Customized Resume**
   * **Description**: After customization, users can download the updated resume in the same format as the base resume (DOCX or PDF).
   * **Input**: Customized resume.
   * **Output**: Downloadable file (DOCX or PDF).

**3.3 Constraints**

* **Supported Formats**: Only DOCX and PDF formats will be supported for both resumes and job descriptions in the MVP.
* **Basic Customization Logic**: No advanced AI or machine learning models will be included in the MVP. Customization will be based solely on basic keyword matching and text manipulation.
* **Single Resume Version**: Users will only be able to customize one version of the resume at a time. No saving of multiple versions.

**4. Non-Functional Requirements**

**4.1 Usability**

* The MVP should be simple and easy to use, with a clean, minimalist user interface.
* Users should be guided step by step through the process of uploading resumes, inputting job descriptions, and downloading the customized resume.

**4.2 Performance**

* Resume customization should take no more than 5–10 seconds after the job description is provided.

**4.3 Security**

* Data privacy must be maintained. All resumes and job descriptions must be handled securely and should not be stored beyond the session.
* Basic encryption should be implemented for any user-uploaded files.

**4.4 Portability**

* The MVP will be a web-based application that works across modern browsers (Chrome, Firefox, Edge).
* The web app should be responsive and work on both desktop and mobile devices.

**4.5 Scalability**

* The MVP does not need to handle a large number of concurrent users or massive files but should be designed with the possibility of scaling up in future versions.

**5. System Constraints**

* **Supported Browsers**: Google Chrome, Mozilla Firefox, Microsoft Edge (latest versions).
* **Supported Document Formats**: DOCX and PDF for both base resume and job description.
* **Server Limitations**: The system will not support extensive document parsing or large file uploads (>10MB).

**6. Assumptions and Dependencies**

* Users are expected to upload well-formatted resumes and job descriptions. The MVP will not handle poorly formatted documents or complex layout parsing.
* The system will rely on basic string-matching algorithms. No external libraries or advanced natural language processing (NLP) tools will be used in this MVP.
* The tool is expected to be used in a single language (English) for this version.

**7. Future Enhancements**

* **Advanced Customization**: Future versions will introduce AI-based customization techniques for better matching.
* **Multiple Resume Versions**: Users will eventually be able to store and compare multiple customized resume versions.
* **Integration with Job Boards**: Future versions could allow automatic job description fetching from job boards like LinkedIn or Indeed.