**User Requirements for Resume Customization Tool (ResumeFit or Similar)**

**1. User Roles**

* **Job Seeker**: The primary user who will use the application to customize resumes based on job descriptions.

**2. Functional Requirements**

* **2.1 Upload/Import Resume**
  + The user can upload a base resume in common formats such as PDF, DOCX, or TXT.
  + The system will parse the uploaded resume to extract key sections (e.g., Work Experience, Skills, Education, Projects).
* **2.2 Paste/Upload Job Description**
  + The user can copy and paste a job description or upload a job description document (DOCX, PDF, or TXT).
  + The system will parse the job description to extract key job requirements (e.g., required skills, responsibilities, qualifications).
* **2.3 Resume Customization Engine**
  + The system will analyze both the base resume and job description to identify gaps, strengths, and opportunities for tailoring.
  + Automatically adjust the base resume by:
    - Prioritizing relevant work experience.
    - Highlighting skills and qualifications mentioned in the job description.
    - Rewriting sections to align better with the job requirements, using appropriate keywords.
* **2.4 Multiple Resume Versions**
  + Users can save multiple customized resumes for different job applications.
  + The system will allow users to compare the customized resume versions side by side.
* **2.5 Skill Suggestion**
  + The system will suggest additional skills or qualifications based on the job description that may be missing in the resume.
  + Users can accept, reject, or manually add skills to the resume.
* **2.6 Custom Sections**
  + Users can add custom sections (e.g., Certifications, Projects, Achievements) to match specific job descriptions.
  + The system should offer templates for different sections if the resume lacks them.
* **2.7 Manual Edits**
  + Users will have the option to manually edit any section of the resume after the system generates a customized version.
  + Edits should be autosaved to prevent loss of data.
* **2.8 Download/Export Customized Resume**
  + Users can download the final customized resume in PDF or DOCX format.
  + The system should ensure that formatting is preserved across different output formats.
* **2.9 Job Description Parsing API Integration**
  + The system will use a real-time API or built-in parser to extract keywords, skills, and responsibilities from job descriptions.
  + AI-driven matching will improve with machine learning models to adapt to different job sectors.

**3. Non-Functional Requirements**

* **3.1 Usability**
  + The interface should be user-friendly and guide users through the process step-by-step.
  + The system should provide tooltips and explanations for each customization step.
* **3.2 Performance**
  + Resume generation should be fast, taking no more than 5–10 seconds after the job description is uploaded.
* **3.3 Security**
  + All user data (resumes, job descriptions, and personal information) must be encrypted.
  + Secure user authentication with OAuth, Google, or Microsoft accounts.
* **3.4 Compatibility**
  + The tool should be accessible via web browsers (Chrome, Firefox, Edge) and mobile browsers.
  + Ensure that the tool works well on both desktop and mobile devices.
* **3.5 Scalability**
  + The backend infrastructure should support scaling to accommodate a large number of users and document uploads simultaneously.
* **3.6 Error Handling**
  + The system should provide clear error messages if the uploaded resume or job description cannot be processed.
  + Error logs should be recorded for debugging purposes.

**4. User Feedback and Review**

* **4.1 User Feedback Mechanism**
  + Users can rate the quality of the customized resume and provide suggestions for improving the output.
* **4.2 Analytics and Improvement**
  + The system should track user satisfaction and success rates to improve its algorithm for better resume-job matching over time.

**5. Future Enhancements**

* **5.1 Integration with Job Boards**
  + Future versions could allow direct integration with job boards (LinkedIn, Indeed) to auto-import job descriptions.
* **5.2 Resume Scoring System**
  + Implement a scoring system that rates how well the resume matches the job description.
* **5.3 Cover Letter Generator**
  + Offer an additional feature for users to generate customized cover letters based on the job description.

**6. System Constraints**

* **6.1 Supported Resume Formats**
  + Initial support for DOCX and PDF, with future support for more formats.
* **6.2 Language Support**
  + English as the primary language, with plans for multi-language support based on demand.