

Software Requirements Specification (SRS)

Project Title: AI-Powered Resume Screening Tool

Platform: Clappia

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Link -; [Click this Link](#)

1. Introduction

1.1 Purpose

This project aims to develop a no-code AI-powered system using Clappia that automates resume screening, ranks candidates based on predefined criteria, and generates interview shortlists. It streamlines the hiring process for HR teams and recruiters.

1.2 Scope

The system will:

- Accept resume uploads in PDF/DOCX format
- Extract and analyze candidate information using Clappia's AI blocks
- Score and rank candidates based on custom criteria
- Display shortlists and allow export to Excel or PDF

1.3 Definitions, Acronyms, and Abbreviations

- **AI:** Artificial Intelligence
 - **HR:** Human Resources
 - **SRS:** Software Requirements Specification
 - **PDF/DOCX:** Document formats for resumes
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2. Overall Description

2.1 Product Perspective

This is a Clappia-based application built using drag-and-drop blocks and AI modules. It integrates resume upload, data extraction, scoring logic, and dashboard views into a single workflow.

2.2 Product Functions

- Resume upload and parsing
- Candidate data extraction (skills, experience, education)
- Scoring and ranking based on weighted criteria
- Shortlist generation and export options
- Dashboard for HR review

2.3 User Characteristics

- HR professionals, recruiters, hiring managers
- No technical background required
- Expectation: Fast, accurate, and easy-to-use interface

2.4 Constraints

- Limited to Clappia's supported formats and AI capabilities
 - Requires internet access
 - Accuracy depends on resume formatting and keyword clarity
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3. Specific Requirements

3.1 Functional Requirements

- **FR1:** The system shall allow users to upload resumes in PDF/DOCX format
- **FR2:** The system shall extract candidate details using AI blocks
- **FR3:** The system shall calculate scores based on predefined criteria
- **FR4:** The system shall rank candidates and display shortlists
- **FR5:** The system shall allow exporting shortlists to Excel or PDF

3.2 Non-Functional Requirements

- **NFR1:** The system shall respond within 3 seconds for resume parsing
- **NFR2:** The system shall support up to 500 concurrent resume submissions
- **NFR3:** The system shall maintain 99.9% uptime
- **NFR4:** The system shall comply with data privacy standards

3.3 External Interface Requirements

- **User Interface:** Clappia web dashboard

- **Software Interface:** Clappia AI blocks, formula engine, file upload module
 - **Hardware Interface:** Cloud-hosted, accessible via browser
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4. 🧠 **System Features**

Feature	Description
Resume Upload	Accepts PDF/DOCX resumes from candidates
AI Extraction	Uses Clappia AI blocks to extract skills, experience, education
Scoring Logic	Formula blocks calculate scores based on weighted criteria
Ranking & Shortlist	Displays top candidates in dashboard view
Export Options	Allows exporting shortlist to Excel or PDF

5. 🛠️ **Design Approach**

- **Architecture:** No-code modular workflow using Clappia blocks
 - **Scoring Formula:** Weighted sum of skills, experience, education, certifications
 - **Tools Used:** Clappia AI blocks, formula engine, table view, export module
 - **Data Source:** Uploaded resumes and predefined job criteria
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6. 📦 **Future Enhancements**

- Integration with job portals or LinkedIn
- Email automation for shortlisted candidates
- Sentiment analysis for cover letters
- Multi-language resume support