

Software Requirements Specification (SRS) for the Indian Army Careers Website:

1. Introduction

The Indian Army Careers Website aims to provide a platform for individuals to explore career opportunities in the Indian Army. The website will have two models: a Task Force model for civilians and soldiers, and an Application model for submitting applications to join the Indian Army. Additionally, the website will include an Analytics App for recruiters to analyze applicant data and a Web Crawling App to display army-related news.

2. Functional Requirements

2.1 Task Force Model

- The Task Force Model should include the following fields:
 - Name: A unique name for the task force.
 - Active Status: Indicates whether the task force is currently active.
 - Overview: A brief description of the task force.
 - Requirements: Specific requirements for joining the task force.
 - Skills You Will Learn: Skills that applicants will acquire in the task force.
 - Category: The category to which the task force belongs (selected from predefined options).
 - Only for Soldiers: Indicates whether the task force is exclusively for soldiers.

2.2 Application Model

- The Application Model should include the following fields:
 - First Name: The applicant's first name.
 - Middle Name: The applicant's middle name.
 - Last Name: The applicant's last name.
 - Date of Birth: The applicant's date of birth.

- Applicant Email: The email address of the applicant.
- Resume: The applicant's resume file (uploaded as a file).
- Reason for Application: A brief explanation of why the applicant wants to join the Indian Army.
- Recruiter Email: The email address of the recruiter.

2.3 Analytics App

- The Analytics App should allow recruiters to upload an Excel file with the following columns:
 - First Name: The first name of the employee.
 - Last Name: The last name of the employee.
 - Gender: The gender of the employee.
 - Salary: The salary of the employee.
 - City: The city where the employee is located.
 - Task Force: The task force in which the employee is working.
- The Analytics App should provide the following views for analyzing the data:
 - Number of Males and Females: Display the count of male and female employees.
 - Mean Salary: Calculate and display the mean salary of the employees.
 - Median Salary: Calculate and display the median salary of the employees.
 - Filter Data: Allow filtering of data based on task force, gender, or city.

2.4 Web Crawling App

- The Web Crawling App should crawl and display army-related news from various sources.

3. Non-Functional Requirements

3.1 Technology Stack

- The backend API should be developed using Django Rest Framework.

3.2 User Authentication

- Implement user authentication to secure access to the application and its features.

3.3 User-Friendly Interface

- Design a user-friendly interface with intuitive navigation and clear instructions.

3.4 Scalability and Performance

- Ensure the application can handle a large number of users and data without compromising performance.