Resume Parser Project - Comprehensive Test Case Document

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# 1. Introduction

This document provides comprehensive test cases for the Resume Parser Project, covering both valid and invalid scenarios to ensure robust functionality and error handling across all features.

## 2.1 Authentication

TC-001 - Valid User Registration

Endpoint: POST /api/Users/register/

Input: Valid user details

Expected Output: 201 Created

TC-002 - Invalid User Registration

Endpoint: POST /api/Users/register/

Input: Missing email or password

Expected Output: 400 Bad Request

TC-003 - Valid User Login

Endpoint: POST /api/Users/login/

Input: Correct credentials

Expected Output: 200 OK with Token

TC-004 - Invalid User Login

Endpoint: POST /api/Users/login/

Input: Wrong password

Expected Output: 401 Unauthorized

TC-005 - Valid User Logout

Endpoint: POST /api/Users/logout/

Input: Valid token

Expected Output: 200 OK

TC-006 - Invalid User Logout

Endpoint: POST /api/Users/logout/

Input: Invalid or missing token

Expected Output: 401 Unauthorized

## 2.2 Candidate

TC-007 - Get Profile - Valid

Endpoint: GET /api/Candidate/profile/

Input: Valid token

Expected Output: 200 OK with profile data

TC-008 - Get Profile - Invalid

Endpoint: GET /api/Candidate/profile/

Input: Missing token

Expected Output: 401 Unauthorized

TC-009 - Update Profile - Valid

Endpoint: PUT /api/Candidate/profile/

Input: Updated data and token

Expected Output: 200 OK

TC-010 - Update Profile - Invalid

Endpoint: PUT /api/Candidate/profile/

Input: Invalid data or missing fields

Expected Output: 400 Bad Request

TC-011 - List Jobs - Valid

Endpoint: GET /api/Candidate/jobs/

Input: Valid token

Expected Output: 200 OK with job list

TC-012 - List Jobs - Invalid

Endpoint: GET /api/Candidate/jobs/

Input: Missing token

Expected Output: 401 Unauthorized

TC-013 - Apply for Job - Valid

Endpoint: POST /api/Candidate/apply/

Input: Valid form and resume file

Expected Output: 201 Created

TC-014 - Apply for Job - Invalid

Endpoint: POST /api/Candidate/apply/

Input: Missing resume file

Expected Output: 400 Bad Request

## 2.3 Recruiter

TC-015 - List Jobs - Valid

Endpoint: GET /api/Recruiter/jobs/

Input: Valid token

Expected Output: 200 OK with job list

TC-016 - List Jobs - Invalid

Endpoint: GET /api/Recruiter/jobs/

Input: Missing token

Expected Output: 401 Unauthorized

TC-017 - Create Job - Valid

Endpoint: POST /api/Recruiter/jobs/

Input: Valid job data and token

Expected Output: 201 Created

TC-018 - Create Job - Invalid

Endpoint: POST /api/Recruiter/jobs/

Input: Missing job fields

Expected Output: 400 Bad Request

TC-019 - Update Job - Valid

Endpoint: PUT /api/Recruiter/jobs/<id>/

Input: Updated job data

Expected Output: 200 OK

TC-020 - Update Job - Invalid

Endpoint: PUT /api/Recruiter/jobs/<id>/

Input: Invalid job ID or data

Expected Output: 404 Not Found or 400 Bad Request

TC-021 - Delete Job - Valid

Endpoint: DELETE /api/Recruiter/jobs/<id>/

Input: Valid job ID and token

Expected Output: 204 No Content

TC-022 - Delete Job - Invalid

Endpoint: DELETE /api/Recruiter/jobs/<id>/

Input: Invalid job ID or missing token

Expected Output: 404 Not Found or 401 Unauthorized

TC-023 - Parse All Resumes - Valid

Endpoint: POST /api/Recruiter/parse/all/

Input: Valid token

Expected Output: 200 OK with parsed data

TC-024 - Parse All Resumes - Invalid

Endpoint: POST /api/Recruiter/parse/all/

Input: Missing token

Expected Output: 401 Unauthorized

TC-025 - Parse Selected Resumes - Valid

Endpoint: POST /api/Recruiter/parse/selected/

Input: Selected files and token

Expected Output: 200 OK

TC-026 - Parse Selected Resumes - Invalid

Endpoint: POST /api/Recruiter/parse/selected/

Input: No files selected

Expected Output: 400 Bad Request

## 2.4 AI Analysis

TC-027 - Analyze Resume - Valid

Endpoint: POST /api/AI/analysis/

Input: Resume file and job keywords

Expected Output: 200 OK with analysis result

TC-028 - Analyze Resume - Invalid

Endpoint: POST /api/AI/analysis/

Input: Missing resume

Expected Output: 400 Bad Request