Recruit Right: Precision Hiring with AI Insight

Software Test Report

Submitted by

Muhammad Naeemuddin 1955-2021
Muhammad Abdullah 2206-2021
Muhammad Raza 2207-2021

Supervisor

Dr. Umer Farooq

In partial fulfilment of the requirements for the degree of
Bachelor of Science in Software Engineering
2025

Faculty of Engineering Sciences and Technology

Hamdard Institute of Engineering and Technology

Hamdard University, Main Campus, Karachi, Pakistan

Software Test Plan
Project Title: Recruit Right: Precision Hiring with AI Insight
Date: 03-June-2025
Version: 2.0

Test Plan

The following table presents the detailed test plan, including the schedule for each functional component of the Recruit Right platform.

S.No	Description	Tested by	Start Date	End Date
1	Login & Sign-Up	Naeem	01-Jun-2025	01-Jun-2025
2	Job Application Flow	Naeem	02-Jun-2025	02-Jun-2025
3	Status-Change Notification	Naeem	03-Jun-2025	03-Jun-2025
4	Interview Scheduling	Naeem	04-Jun-2025	04-Jun-2025
5	Interview Reminder Notification	Naeem	05-Jun-2025	05-Jun-2025
6	Interview "Start" Button	Naeem	06-Jun-2025	06-Jun-2025
7	Feedback Submission	Naeem	07-Jun-2025	07-Jun-2025
8	Security & Access Control	Naeem	08-Jun-2025	08-Jun-2025
9	Bulk Email Dispatch	Naeem	09-Jun-2025	09-Jun-2025
10	Logout & Session Termination	Naeem	10-Jun-2025	10-Jun-2025

Test Cases

Test Case 1 – Login & Sign-Up

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Login & Sign-Up
Date: 01-Jun-2025
Test Case ID: TC_001
Test Engineer: Naeem
Test Case Description: Testing user login, registration, and session handling.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open Login Page	–	Login page displays correctly	Login page loaded	Pass
2	Enter email & password	Valid credentials	Redirects to Candidate Dashboard	Redirected successfully	Pass
3	Open Sign-up Page	–	Sign-up form displays	Sign-up form loaded	Pass

| 4 | Register new user | Name, email, pwd | Account created & redirected to dashboard | Account created | Pass |
| 5 | Logout user | – | Session ends & returns to login page | Logout successful | Pass |

Test Case 2 – Job Application Flow

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Job Application Flow
Date: 02-Jun-2025
Test Case ID: TC_002
Test Engineer: Naeem
Test Case Description: Verify candidates can view job listings and apply.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Navigate to Jobs page	–	List of active jobs appears	10 active jobs shown	Pass
2	Click job card	Job ID 123	Job detail page/modal opens	Job 123 details shown	Pass
3	Click "Apply"	Resume, Cover Letter	Application stored with status = "pending"	DB row inserted, status pending	Pass
4	Open Applications tab	–	Newly applied job listed with pending status	Card shows "pending" badge	Pass

Test Case 3 – Status-Change Notification

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Status-Change Notification
Date: 03-Jun-2025
Test Case ID: TC_003
Test Engineer: Naeem
Test Case Description: Confirm dashboard and email alerts on application status change.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Recruiter sets status → "short-listed"	Application ID 77	Notification service triggered	Webhook logged 200 OK	Pass

2	Candidate opens dashboard	–	Banner/toast shows status update	Green toast "Short-listed" displayed	Pass
3	Check candidate email	Candidate email	Email with same message received	Mail received within 30 s	Pass

Test Case 4 – Interview Scheduling

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Interview Scheduling
Date: 04-Jun-2025
Test Case ID: TC_004
Test Engineer: Naeem
Test Case Description: Ensure recruiter can schedule an interview and candidate sees it.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open "Schedule Interview" form	Job ID 123, Candidate ID 45	Form loads	Form rendered	Pass
2	Save date/time & medium	09-Jun-2025 10:00 AM, Zoom link	Session stored with status "scheduled"	Session ID 88 created	Pass
3	Candidate → Upcoming Interviews	–	New interview card shows correct details	Card shows 09-Jun 10:00 AM	Pass

Test Case 5 – Interview Reminder Notification

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Interview Reminder Notification
Date: 05-Jun-2025
Test Case ID: TC_005
Test Engineer: Naeem
Test Case Description: Validate that reminder emails/alerts go out 30 minutes before interview.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Simulate T-30 min scheduler	Session ID 88	Reminder job triggers	Reminder job ran	Pass

2	Check candidate email	–	"Interview tomorrow" email received	Email timestamp correct	Pass
3	Check dashboard bell	–	Reminder badge/notification present	Bell shows 1 unread	Pass

Test Case 6 – Interview "Start" Button Timing

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Interview "Start" Button
Date: 06-Jun-2025
Test Case ID: TC_006
Test Engineer: Naeem
Test Case Description: "Start" button activates only at interview start time.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open dashboard 30 min early	–	"Start" button disabled/greyed	Greyed-out button	Pass
2	Reach exact start time	–	Button becomes active	Turned blue, clickable	Pass
3	Click "Start"	–	Redirects to Zoom meeting link	Redirected to Zoom	Pass

Test Case 7 – Feedback Submission

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Feedback Submission
Date: 07-Jun-2025
Test Case ID: TC_007
Test Engineer: Naeem
Test Case Description: Verify recruiter can submit feedback; candidate cannot view it.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Open feedback form	Session ID 88	Form fields load	Form ready	Pass

| 2 | Submit rating & notes | Score 8, "Strong React skills" | Feedback saved to DB | Row added in Feedback table | Pass |
| 3 | Candidate refreshes apps | – | Status shows "Interview Completed", feedback hidden | Feedback not visible to candidate | Pass |

Test Case 8 – Security & Access Control

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Security & Access Control
Date: 08-Jun-2025
Test Case ID: TC_008
Test Engineer: Naeem
Test Case Description: Prevent cross-role and cross-organization data access.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Candidate hits `/recruiter/dashboard`	Candidate token	HTTP 403 or redirect to login	403 JSON error	Pass
2	Recruiter fetches other org's applicant data	Org mismatch	API returns 401/403	API 403	Pass
3	Expire JWT and reload	–	User forced to log in again	Redirect to `/login`	Pass

Test Case 9 – Bulk Email Dispatch

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Bulk Email Dispatch
Date: 09-Jun-2025
Test Case ID: TC_009
Test Engineer: Naeem
Test Case Description: Ensure notification API handles 50 rejection emails in parallel.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Bulk-reject 50 apps	Status → "rejected"	50 emails queued	Queue shows 50 jobs	Pass

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
2	Monitor worker	–	All emails marked "sent"	Mail log confirms 50 sent	Pass
3	Spot-check inboxes	3 random candidates	Emails received with correct template	All three emails correct	Pass

Test Case 10 – Logout & Session Termination

Project Name: Recruit Right: Precision Hiring with AI Insight
Iteration No: 2.0
Module Name: Logout & Session Termination
Date: 10-Jun-2025
Test Case ID: TC_010
Test Engineer: Naeem
Test Case Description: Verify logout completely destroys session tokens and cookies.

S.No	Steps	Input Data	Expected Result	Actual Result	Pass/Fail
1	Click "Logout"	–	Redirects to login page	Redirected successfully	Pass
2	Press browser Back	–	Dashboard remains inaccessible (redirect)	Redirects back to login	Pass
3	Inspect cookies	–	Auth tokens/cookies removed	Storage empty	Pass

End of Test Plan & Test Cases