**DIGITAL RESUME BUILDER**

**Test Plan**

**Revision History**

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| --- | --- | --- | --- |
| Date | Version | Author | Description |
| 28-02-2022 | 1.0.0 | Batch 2-Group 3 |  |
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# Overview

## Purpose

The purpose of this document is to define:

* The test scope, focus areas and objectives
* The test responsibilities
* The test strategy for the levels and types of tests for this release
* The entry and exit criteria
* The basis of the test estimates
* Any risks, issues, assumptions and test dependencies
* The test schedule and major milestones
* The test deliverables

## Scope

We are executing the functional and Performance testing of the Web Application

Digital Resume Builder

# Testing Summary

## Scope of Testing

### In scope

|  |  |  |
| --- | --- | --- |
| Module Name | Applicable Roles | Description |
| Login | 1. Users 2. admin | User: user can create an account  Admin: Admin can manage accounts |
| Sign Up | 1. users | Users can sign up |
| Profile creation | 1. users | Users can create profiles using templates |
| Download Resume& create web link | 1. users | Users can download resume |

### Out of scope

1. Compatibility Test in browsers other than chrome
2. User Interface Testing
3. Website security

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# Analysis of Scope and Test Focus Areas

## Functional Testing

We are testing the basic workflow of the Digital Resume Builder web application.

Possible Test cases will be automated.

## Platform Testing

We are testing the compatibility with Google Chrome only

## Performance Testing

We will be testing the performance testing of web application

# Progression Test Objectives

This section details the progression test objectives that will be covered by the project team.

| Ref | Function | Test Objective | Evaluation Criteria | X-Ref | P |
| --- | --- | --- | --- | --- | --- |
| TS\_DRB\_02 | Sign up of a user | The test is to demonstrate New User Sign-up | Successful New user sign-up |  |  |
| TS\_DRB\_03 | Sign-in of User & Admin | The test is to demonstrate User and Admin Sign-in | Successful User and Admin Sign-in |  |  |
| TS\_DRB\_04 | User list by admin | The test is to demonstrate User data verification by Admin | Successful User data verification |  |  |
| TS\_DRB\_05 | Notification Checking by Admin | The test is to demonstrate Notifications by Admin | Successful Notifications and Links |  |  |
| TS\_DRB\_06 | Profile creation | The test is to demonstrate User profile creation | Successful User Profile creation |  |  |
| TS\_DRB\_07 | Edit Profile | The test is to demonstrate Edit User profile details | Successful User Profile details Editing |  |  |
| TS\_DRB\_08 | Resume Download | The test is to demonstrate Download User Resume | Successful download of User Resume |  |  |
| TS\_DRB\_09 | Logout | The test is to demonstrate Logout from web application | Successful logout from the web application |  |  |

## Facility, data, and resource provision plan

### Test environment

|  |  |  |
| --- | --- | --- |
| No. | Resource | Description |
| 1 | Test tool | Eclipse, Jmeter, Selenium |
| 2 | Network | Minimum 2 Mbps |
| 3 | Machine | At least 3 computers run Windows 10 with 8GB of Ram |

### Testing Requirements

Each person involved in testing will need the following access:

* A web browser with access to the intranet
* Access to Microsoft Excel to raise defects;
* Access to Management Tools like JIRA

### Resources & Skills

Define the types of resources required during the testing window. For example:

* A resource with Basic JAVA skills;
* A resource with Eclipse, Jmeter, Selenium skills;
* A resource with internet technologies understanding.

## Testing Tools

The following tools will be used for testing:

| Process | Tool |
| --- | --- |
| Test plan creation | Microsoft Word |
| Test case creation | Microsoft Excel |
| Test case execution | Manual and Automation |
| Test case management | JIRA |
| Defect management | JIRA |

# Test Environment Plan

## Test Environment Details

### Testers

There will be 3 members for executing the test. They must have the following access,

* System access requirements
* Computers run Windows 10 with 8GB of Ram

### Hardware and Firmware

At least 3 Computers with I5 Processor or equivalent with minimum 8GB of RAM and stable

Internet connection

### Software

Operating System should be Windows 10 or Latest with Google Chrome,JDK,

JMETER and Eclipse with Selenium

## Establishing Environment

|  |  |  |  |
| --- | --- | --- | --- |
| Task | Member | Start Date | End Date |
| Create Test Plan | Abhijith | 22-02-2022 | 24-02-2022 |
| Dhanush |
| Anoop |
| Review requirement documents | Anoop | 24-02-2022 | 24-02-2022 |
| Develop Manual test Cases | Abhijith | 21-02-2022 | 25-02-2022 |
| Dhanush |
| Anoop |

## Environment Roles and Responsibilities

|  |  |  |
| --- | --- | --- |
| Role | Staff Member | Responsibilities |
| Project Manager | Abhijith | Responsible for overall establishment, coordination and support of the test environment |
| Tester | Dhanush | Responsible for overall establishment, coordination and support of the test environment |
| Tester | Anoop | Responsible for overall establishment, coordination and support of the test environment |

# Assumptions

## Assumptions

This section lists the assumptions that are made specific to this project

• The user should have basic knowledge of computer/mobile and English

• The user should have valid email id or mobile number

• There must be an administrator

• Internet connection is a must

• Proper browsers should be installed in the user’s system

# Entry and Exit Criteria

Detail the entry and exit criteria that are used to determine when a phase of testing (or level of testing) is able to commence and when testing is considered to be completed.

# Administrative Plan

## Test Milestones and Schedule

| Milestone | | Planned End Date | Actual End Date | Resource |
| --- | --- | --- | --- | --- |
| Test Plan Creation | Review Requirements | 21-02-2022 | 21-02-2022 |  |
| Test Estimation | 23-02-2022 | 23-02-2022 |
| Test Plan Created | 26-02-2022 | 28-02-2022 |
| Test case Creation | Manual Case creation | 26-02-2022 | 01-03-2022 |  |
| Manual Test case Execution |  | 04-03-2022 |  |  |
| Test Automation |  | 04-03-2022 |  |  |
| Performance Test | Performance Testing | 10-03-2022 |  |  |
| Report Generation | 11-03-2022 |  |
| Deploying to GitHub |  | 19-03-2022 |  |  |

| Test Scenario | Created By |
| --- | --- |
| Sign up of a user | Dhanush |
| Sign-in of User & Admin | Anoop |
| User list by admin | Anoop |
| Notification Checking by Admin | Abhijith |
| Profile creation | Abhijith |
| Edit Profile | Abhijith |
| Resume Download | Dhanush |
| Logout | Dhanush |

## 8.2 Defect Management

We are using JIRA Trial Version for defect management.