

Resume Portal**Draft: Systems Test Plan for Resume Portal March,2020**

Version 1.0

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Revision History

<u>Date</u>	<u>Version</u>	<u>Description</u>	<u>Author:Tonya,Uma,Kaleb, Peggy, and Haley</u> <u>Notes</u>
<u>3/16/2020</u>	<u>1.0</u>	<u>Initial</u> <u>draft</u>	

1.Introduction

1.1 Overview of the system

The aim of this project is to develop a job portal for Carolina Softech Hire where an employer and employee can login to post a job and update the resumes of goodwill students.

- Allow employers to Login and view resumes of Goodwill students
- Allow employers to post jobs.
- Allow employee/students to upload resumes.
- Allow employee/students to search for jobs.

1.2 purpose of this document

The purpose of this document is to describe what major functionality will be tested and provide enough information required for testing the job portal for Carolina Softech Hire.

1.3 Formal review points

There will be formal reviews before and during system testing. This is a vital element in achieving a quality product.

1. Business requirement documents.
2. Test scenarios and test cases.
3. System test progress.
4. Defects.

1.4 Objectives of quality assurance involvement

- The high-level system test intends to prove that the functionalities delivered by the development team is as specified by the business requirement document.
- Unit test is the responsibility of the development team, System test is the responsibility of QA team.
- User acceptance testing, system configuration and integration are the responsibilities of support team.

2. SCOPE AND OBJECTIVES

2.1. Scope of Test Approach - System Functions

2.1.1.Incursions

The System Test will include the following functionalities:

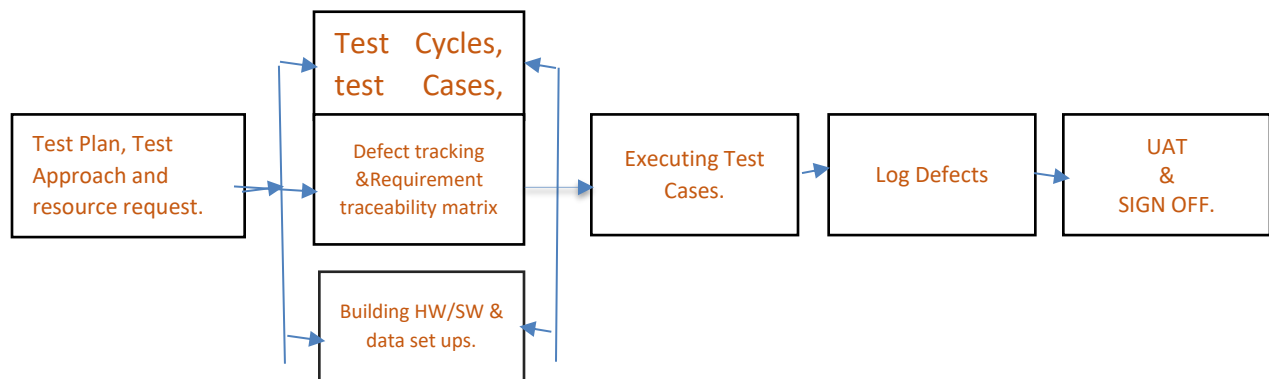
- Ensure the Home Page meets the BRD and the Tabs are functional.
- Prospective student should be able to login/create an account if not registered.
- Prospective student should be able to search jobs, upload and modify their resumes based on their role and skill set.
- Prospective employer should be able to search by Job/Skill set and location.
- Prospective employer should be able to create an account and sign in to post a job.
- Ability to open OUR STORY page.

- Ability for unregistered employees and employers to register/Sign Up and successfully use the resume and job portals.
- CONTACT US page should provide the contact information details of Carolina Softech Hire representatives and the facility of comment message box for prospective users should be flawless.

2.1.2. Excusions

When the scope of each Phase has been agreed and signed off, no further inclusions will be considered for inclusion in this release.

2.2. Testing Process



- **Organize Project** involves creating a System Test Plan, Schedule & Test Approach, and requesting/assigning resources.
- **Design/Build System Test** involves identifying Test Cycles, Test Cases, Entrance & Exit Criteria, Expected Results, etc. In general, test conditions/expected results will be identified by the Test Team in conjunction with the Project Business Analyst or Business Expert. The Test Team will then identify Test Cases and the Data required. The test conditions are derived from the Requirements Documents.
- **Design/Build Test Procedures** includes setting up procedures such as Error Management systems and Status reporting and setting up the data.
- **Build Test Environment** includes requesting/building hardware, software and data set-ups.
- **Execute Test Cases** – Test scenarios (Test Cases) will be executed to ensure the quality.
- **Log Defects** – Log defects as they are found from executing Test Cases.
- **Sign off** - Signoff happens when all predefined exit criteria have been achieved.

2.3. Testing Scope (Test Types that will be performed)

Outlined below are the main test types that will be performed for the *Goodwill Local IT Hire*. All test plans and conditions will be developed from the Business Requirements.

2.3.1. Functional Testing

The objective of this test is to ensure that each element of the application meets the functional requirements of the business as outlined in the BRD.

This stage will also include **Validation Testing** - which is intensive testing of the new Front end fields and screens. Windows GUI Standards; valid, invalid and limit data input; screen & field look and appearance, and overall consistency with the rest of the application will be tested.

2.3.2. Integration Testing

This test proves that all areas of the system interface with each other correctly and that there are no gaps in the data flow. Final Integration Test proves that system works as integrated unit when all the fixes are complete.

2.3.3. Regression Testing

A Regression test will be performed after the release of each Phase of testing to ensure that -

- There is break down of existing functionalities or application when new functionalities are added or modified.

To ensure that there the increase in functionality maintains the smoothness and stability of the software.

2.3.4. Browser Compatibility and load Testing

The Application is tested with different browsers like Firefox, Mac, Internet explorer and chrome. Load test is also performed by slowly and steadily increasing the load on the system until it reaches its maximum in order to check the stability of the system.

3.TEST DELIVERABLES

Here are all the Test Artifacts that will be delivered during different phases of the testing lifecycle.

- *Test Plan*
- *Test Cases*
- *Requirement Traceability Matrix*
- *Bug Reports*
- *Test Metrics*
- *Customer Sign Off*

3.1. Resources and environment needs

- Requirements Tracking Tool
- Bug Tracking Tool
- Automation Tools Required to test the project.

3.2. Test Entrance/Exit Criteria

3.2.1. Entrance Criteria

The Entrance Criteria described in the Test Strategy, should be fulfilled before System Test can commence. In the event that any criterion has not been achieved, the System Test for Goodwill Local IT Hire commence if Business Team and Test Manager are in full agreement that the risk is manageable.

- All developed code must be unit tested. Unit testing must be completed and signed off by the development team.
- System Test plans must be signed off by Business Analyst and Test Manager.
- All human resources must be assigned and in place.
- All test hardware and environments must be in place, and free for System test use.
- The Acceptance Tests must be completed, with a pass rate of not less than 90%.

User Acceptance Tests (UAT):

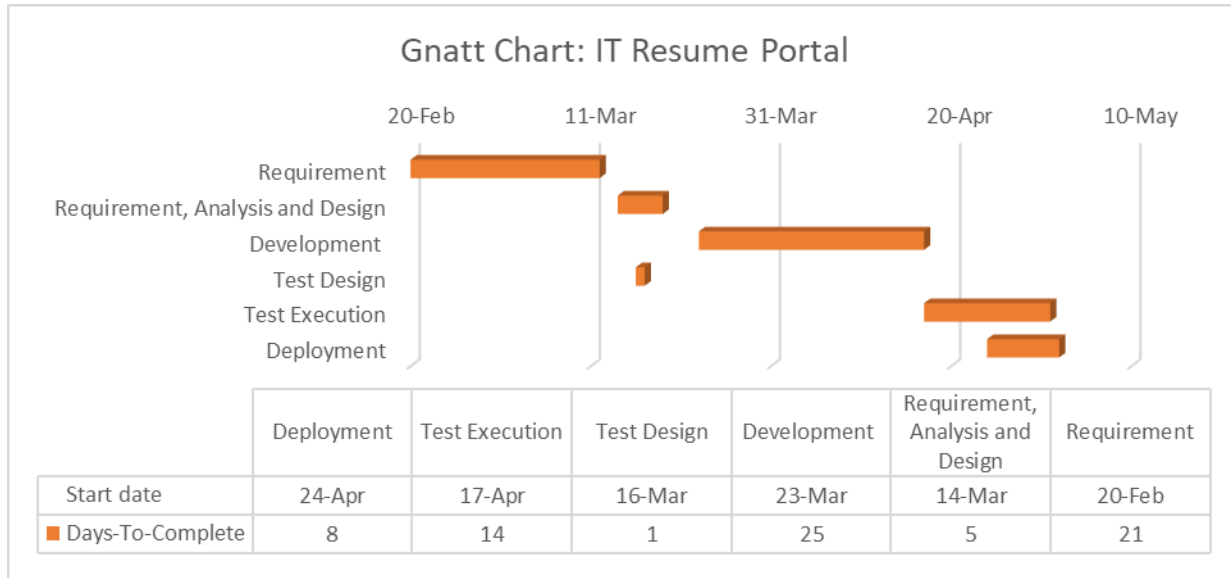
After completion of all the testing cycles User Acceptance testing is performed by the Goodwill team management to certify the system is with respect to the requirements that was agreed upon.

3.2.2. Exit Criteria

The Exit Criteria detailed below must be

- All Critical and High Priority errors from System Test must be fixed and tested
- If any medium or low-priority errors are outstanding - the implementation risk must be signed off as acceptable by Business Analyst and Goodwill representative.
- User Acceptance Test must be signed off by Business Expert from Goodwill TEAM.

3.3. Timeline for testing



3.4. Issues, Risks

1. No further changes or inclusions will be considered for inclusion in this release.
2. All the data related to TBD's should be provided to streamline the process as per the timeline.

3.5. Assumptions

- Software will be delivered on time.
- Software is of the required quality.
- All "Show-Stopper" bugs receive immediate attention from the development team.
- All bugs found in a version of the software will be fixed and unit tested by the development team before the next version is released.
- Functionality is delivered to schedule.
- Required resources are available.
- All documentation will be up to date and delivered to the system test team.
- Functional and technical specifications will be signed off by the business.
- The Intranet will be fully functional prior to project commencement.