***Enhanced Job and Candidate Application***

***Test Plan***

computech logo



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# Introduction

This section gives a scope description and overview of everything included in this document. Also, the purpose for this document is described and a list of abbreviations and definitions is provided.

## Purpose

The purpose of this Software Test Plan document is to provide a detailed description of the testing plan of the ‘Enhanced Job and Candidate Application’ system. It will also provide specific information about the compatibility, functional, non-functional, integration, system and user acceptance testing.

## Scope

Enhanced Job and Search Candidate is an application developed by three students at Wayne State University for Computech Corporation. The goal of the application is to provide a web application service to job seekers to search for available jobs at Computech Corporation and apply to those that they are interested in. The application will provide filtering options to reduce the jobs displayed based on certain criteria. Job seekers will be able to store their profile information and resume path (resume will be stored in a folder) in the database, which can be used when they are applying for a job using a web interface. The application will also provide functionalities to an admin user to deactivate and delete users abusing the system.

## Definitions, Acronyms and Abbreviations

* EJCA - Enhanced Job and Candidate Application
* User – Job seeker who uses the application
* Admin – Admin/administrator who manages the users
* Admin portal - Part of the web application that provides special facilities to Admin
* Front End - The part of the application the user interacts with
* Back End – The part of application that manages data and is managed by developers.
* UI – User Interface which is the front end of the application
* Server –Machine that will host the web application as well as database.
* GUID – Global Unique ID

## References

* Microsoft ASP.NET MVC - <http://www.asp.net/mvc>
* Microsoft SQL Server - <https://msdn.microsoft.com/en-us/sqlserver/aa336270.aspx>
* Razor - <http://www.asp.net/web-pages/overview/getting-started/introducing-razor-syntax-(c)>
* JQuery - <http://jquery.com/>
* Bootstrap – <http://getbootstrap.com>

# Compatibility Testing

## 2.1 Test Risks / Issues

There are no significant risks to the compatibility testing.

## 2.2 Items To Be Tested

|  |  |  |
| --- | --- | --- |
| **ID** | **Item to Test** | **Test Description** |
| CT\_1 | Search Jobs | Users are able to search available job listing. |
| CT\_2 | Register | Users are able to create an account. |
| CT\_3 | Email verification | Users are able to open the link sent in the verification email. |
| CT\_4 | Login | Users are able to login. |
| CT\_5 | Forgot Password | Users are able to request link and change their password. |
| CT\_6 | Change Password | Users are able to change their password after logging in. |
| CT\_7 | Filter Jobs | Users are able to select criteria and filter jobs. |
| CT\_8 | Profile Information | Users are able to access their profile page and update their information. |
| CT\_9 | Apply | Users are able to apply to jobs. |
| CT\_10 | Resume Upload | Users are able to upload their resume. |

## 2.3 Test Approach

The User Interface will be one of the first features to be completed on the project and therefore will be among the first set of tests executed. The test cases for compatibility will be run manually through user interaction.

As outlined in the requirements document, the EJCA application must be functional on Chrome browser\* on iPhone 6 and iPad Air with iOS 8.1.3, Samsung Galaxy S5 with Android 5.0 (Lollipop). It should also be accessible on IE\*, Firefox\* and Safari\* browsers on desktop/laptops.

\*- Browsers should be compatible with up-to-date JavaScript engine.

We will test on hardware devices that are available to us.

|  |  |  |
| --- | --- | --- |
| Device | Operating System | Browsers |
| Laptop / Desktop | * Windows * OS X | * Chrome * Firefox * Safari * Internet Explorer > 9 |
| Tablets   * iPad Air | * iOS 8.1.3 | * OS Chrome |
| Phone   * iPhone 6 * Samsung Galaxy S5 | * iOS 8.1.3 * Android v5.0 (Lollipop) | * OS Chrome |

## 2.4 Test Pass / Fail Criteria

Pass when 100% of test cases completed

* Fully working in Chrome on all devices listed above.
* Fully working in IE, Firefox and Safari on desktop/laptop.

Fail on any found fault with UI compatibility except for CT\_10 (Resume Upload) which is compatible only on desktop/laptop environment.

**2.5 Test Entry / Exit Criteria**

Entry criteria needed for test entry will be to:

* Verify that the Test devices are ready to use.
* Verify if the proper browsers are installed with up-to-date JavaScript engine and ready to use.

Exit criteria will be when all tests have been run and no high priority bugs are left uncorrected.

## 2.6 Test Deliverables

|  |  |
| --- | --- |
| ID | CT\_1 |
| Item to Test | Search Jobs |
| Pre-Conditions | None |
| Test Steps | Repeat the below process for each supported Device and Browser type     1. Click on **Search Open Positions** button |
| Expected Results | System should display all available jobs to the user. |
| Priority | Medium |
| Pass/Fail |  |

|  |  |
| --- | --- |
| ID | CT\_2 |
| Item to Test | Register |
| Pre-Conditions | None |
| Test Steps | Repeat the below process for each supported Device and Browser type   1. Click on Users dropdown list on the header. 2. Click on Register link. 3. Fill in First Name, Last Name, Email Address, Password and Confirm Password. 4. Click on Register |
| Expected Results | System should send an email to user containing email verification link and display confirmation page to user. |
| Priority | High |
| Pass/Fail |  |

|  |  |
| --- | --- |
| ID | CT\_3 |
| Item to Test | Email Verification |
| Pre-Conditions | User has created an account |
| Test Steps | Repeat the below process for each supported Device and Browser type   1. Click on link in the email received. |
| Expected Results | System should display verification confirmation page to user and redirect user to login page within 7 seconds. |
| Priority | High |
| Pass/Fail |  |

|  |  |
| --- | --- |
| ID | CT\_4 |
| Item to Test | Login |
| Pre-Conditions | User has verified their email address |
| Test Steps | Repeat the below process for each supported Device and Browser type   1. Click on Users dropdown list in the header. 2. Click on Sign In link. 3. Fill in Email address and password 4. Click on **LogIn** button. |
| Expected Results | System should redirect user to User dashboard |
| Priority | High |
| Pass/Fail |  |

|  |  |
| --- | --- |
| ID | CT\_5 |
| Item to Test | Forgot Password |
| Pre-Conditions | User has created an account before. |
| Test Steps | Repeat the below process for each supported Device and Browser type   1. Click on Users dropdown list in the header. 2. Click on Sign In link. 3. Click on **Click here if you forgot your password** link. 4. Enter email address in the textbox on the Forgot Password page 5. Click on **Submit** button |
| Expected Results | System should send an email to user containing change password link and display confirmation page. |
| Priority | High |
| Pass/Fail |  |

|  |  |
| --- | --- |
| ID | CT\_6 |
| Item to Test | Change has create an account. |
| Pre-Conditions | None |
| Test Steps | Repeat the below process for each supported Device and Browser type   1. Click on link in the **forgot password** email. 2. Enter password and confirm password. 3. Click on **Submit** button. |
| Expected Results | System should display confirmation message. |
| Priority | High |
| Pass/Fail |  |

|  |  |
| --- | --- |
| ID | CT\_7 |
| Item to Test | Filter Jobs |
| Pre-Conditions | None |
| Test Steps | Repeat the below process for each supported Device and Browser type   1. Click on link **Search Open Positions** button 2. Select criteria from City and/or Customer 3. Click on **Filter Jobs**  button. |
| Expected Results | System should display jobs matching the criteria. |
| Priority | Medium |
| Pass/Fail |  |

|  |  |
| --- | --- |
| ID | CT\_8 |
| Item to Test | Profile Information |
| Pre-Conditions | User is logged in |
| Test Steps | Repeat the below process for each supported Device and Browser type   1. Click on link hamburger menu button on the header. 2. Click on **Update Profile** link. 3. Change information in any text box.   (First Name, Last Name, Street, City, State, Country are required fields)   1. Click on **Save Information** button. |
| Expected Results | System should display confirmation message. |
| Priority | Medium |
| Pass/Fail |  |

|  |  |
| --- | --- |
| ID | CT\_9 |
| Item to Test | Apply |
| Pre-Conditions | User is logged in |
| Test Steps | Repeat the below process for each supported Device and Browser type   1. Click on **Details** button (either in JobSearch page, Featured Jobs or Recommended Jobs) 2. Click on **Apply** button. 3. Verify Information. 4. Click on **Submit** button. |
| Expected Results | System should display confirmation page. |
| Priority | High |
| Pass/Fail |  |

|  |  |
| --- | --- |
| ID | CT\_10 |
| Item to Test | Resume Upload |
| Pre-Conditions | User is logged in |
| Test Steps | 1. Click on link hamburger menu button on the header. 2. Click on **Update Profile** link. 3. Click on **Browse File** button. 4. Select any file with pdf, doc or txt extension. 5. Click on **Upload Resume** button. |
| Expected Results | System should display confirmation message. |
| Priority | Medium |
| Pass/Fail |  |

## 2.7 Test Suspension / Resumption Criteria

Testing will be suspended as soon as 2 bugs are found and find solution to fix the bug. Once implemented, testing will resume from the beginning.

## 2.8 Test Environmental Needs

Testing will be completed on actual hardware devices as well as emulator on Chrome browser. Actual hardware devices are desktop and laptop. IPad Air, iPhone 6 and Samsung Galaxy S5 will be emulated on Chrome browser.