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| Product | ESM |
| Created by | Gagan Kaushish  Team Member 2  Team Member 3  Date: 03 Aug 2019 |

**EMPLOYEE STAFFING MANAGEMENT**

**Test Strategy Document**

**Introduction:**

ESM (Employee Staffing Management) system is a web application which will help the HR team to keep track of all the candidates who have applied for the job opening, the interview process and the selection process including the on-boarding of the candidate and the background check of the candidate.

**Objectives and Tasks**

**Build Number/ Sprint Number: ESM 2.1\_17\_Aug\_2019**

In the current sprint the automation scripts will be done for previous sprint completed functionalities (following n-1 approach, n being the number of sprint) for Unit testing, Sanity testing and regression testing.

**Tasks**

* Automation Scripting for Unit Testing (Includes priority 1 Test Cases)
* Automation Scripting for Sanity Testing (Includes priority 1, 2 Test Cases)
* Automation Scripting for Regression Testing (Includes all priority Test Cases)
* Automation for cross browsing testing

**Scope:**

Below is the list for the functionalities to be tested using automation scripting:

1. Login Page (Positive and negative scenario)
2. Sing Up functionality
3. Dashboard
4. Search Functionality
5. “Apply for a Job” functionality
6. “Schedule an interview” Functionality

**Testing Strategy**

In the automation testing approach, we will be covering the as per the real time flow of the web application.

Priority one test cases will be automated first which includes the test cases used for Unit and Sanity Testing.

In the next phase regression test cases will be picked, which has lesser priority.

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| **Unit Testing** | This testing includes the priority one test cases, which are defined by BA as minimum acceptance criteria for the user story/ functionality |
| **Participants** | Gagan Kaushish |
| **Methodology** | The test cases will be written by mentioned Participant above in an excel file, this will be approved by BA/ Team Lead  Once the test cases are approved, scripting will be done  The execution will be done every morning and test report will be sent across the team using Jenkins. |

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| **Functional Testing** | This testing will include a functionality testing of a particular module.  The module will be testing for all Unit/ sanity and functional test cases under positive and negative scenarios. |
| **Participants** | Gagan kaushish  Team Member 1  Team Member 2 |
| **Methodology** | The test cases will be written by mentioned Participants above in an excel file, this will be approved by BA/Team Lead  Once the test cases are approved, scripting will be done  The execution will be done every morning and test report will be sent across the team using Jenkins. |

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| **Automated Regression Testing** | This testing will include an end-to end testing of the functionality.  The module will be tested for all test cases under possible positive and negative scenarios |
| **Participants** | Gagan kaushish  Team Member 1  Team Member 2 |
| **Methodology** | The test cases will be written by mentioned Participants above in an excel file, this will be approved by BA/ Team Lead  Once the test cases are approved, scripting will be done  The execution will be done every morning and test report will be sent across the team using Jenkins. |

**Hardware Requirements:**

* A 64-bit operating system like Windows 7 or later.
* Microsoft Internet Explorer 9.0 or later.
* Intel Core i5 or Intel Core i7 (the 3rd generation).
* 8 GB of RAM or more.
* 2 GB of free disk space for installation, plus extra space for temporary files during test runs (see below).
* 1280 × 1024 or higher display resolution.
* Mouse or other pointing device.

**Test Schedule:**

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| First Execution (Unit Testing) | 3rd Day of Sprint |
| First Execution(Functional Testing) | 7Th Day of Sprint |
| First Execution (Regression Testing) | 8th Day Of Sprint |

**Note**: As the testing phase completes , a daily execution will be done via Jenkins for updated test results.

**Bug Reporting:**

All the bugs will be reported on Jira under current sprint.

Observed improvements will be reported on Jira as improvements

**Features To Be Tested:**

* Login Page

1. First time user
2. Normal user

* Sign up Page
* Dashboard

1. Dashboard view for first time viewers
2. Dashboard for normal user

* Search Functionality

1. Auto-suggest
2. Lazy loading

* Job application
* Interview Schedule

**Features not be tested:**

Email notification will not be tested as it is not integrated with actual mailing system.

**Major Deliverables**

Test Plan

Test Cases

Test Incident Reports

Test Summary Reports

**Dependencies:**

No dependencies for current sprint

**Framework/ tools**

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| Framework | Cucumber Framework, Protractor, JavaScript |
| Bug Tracking tool | Jira |
| Execution tool | Jenkins |
| Version Control tool | Git Hub |

**Approvals:**

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| Sr.No | Name | Signature | Date |
| 1. | Project Manager |  |  |
|  | Team Lead |  |  |