Test Execution

**Job Search System**

**Prepared by:**

1. Deepak Kadam (F16111035)
2. Arisha Chamadiya (F16111049)
3. Swati Patra (F16111065)

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1. **INTRODUCTION**

The application “Job Search” provides an easy and convenient search application for job seekers to find their desired jobs and for the recruiters to find the right candidate. Job seekers can register with the application and update their details and skill set. Employer can register with the application and post their current openings. They can view the Job applications and can screen them according to the best fit.

1. **TESTING STRATEGY**

Testing is a set of activities which are decided in advance i.e. before the start of development and organized systematically. Testing strategy steps will define scope of testing, Identify testing type, Document risks. A types of software testing is as follows Unit Testing, Integration Testing, User acceptance testing, Compatibility testing.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Approach** | **Type of Testing** | **Manual Testing** | | **Automated Testing on Device** | **Tools/APIs/Libraries** |
| **Using Device** | **Using Emulator** |  |  |
| Standard Testing  (Functional Testing) | Unit Testing | Yes | Yes | Yes | Junit  (Unit Testing Framework) |
| Integration Testing | Yes | Yes | Yes |
| Acceptance Testing | Yes | Yes | No |
| Special Type of Testing to Address Specific Challenge | Compatibility Testing | Yes | Yes | Yes |

**2.1 UNIT TESTING**

|  |  |
| --- | --- |
| **MODULE/FUNCTIONALITY NAME:** | Test database connection |
| **UNIT/CLASS:** | Database |
| **CREATED BY:** | Deepak Kadam |
| **DATE OF CREATION:** | 06/08/2019 |
| **DATE OF REVIEW:** | 10/08/2019 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TEST CASE ID** | **TEST UNIT/CLASS** | **TEST CASE** | **PRE-CONDITION** | **EXPECTED RESULT** | **ACTUAL RESULT** | **STATUS**  **(PASS/FAIL)** |
| 1 | Database | Validate DBMS Connection | JDBC driver should be present | Not null | Not null | Pass |

**Execution Status:** Completed

|  |  |
| --- | --- |
| **MODULE/FUNCTIONALITY NAME:** | Insert Company test |
| **UNIT/CLASS:** | InsertCompany |
| **CREATED BY:** | Swati Patra |
| **DATE OF CREATION:** | 06/08/2019 |
| **DATE OF REVIEW:** | 10/08/2019 |

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| --- | --- | --- | --- | --- | --- | --- |
| **TEST CASE ID** | **TEST UNIT/CLASS** | **TEST CASE** | **PRE-CONDITION** | **EXPECTED RESULT** | **ACTUAL RESULT** | **STATUS**  **(PASS/FAIL)** |
| 1 | InsertCompany | Insert company details in the database | Database connection should be established | Company details inserted into the database | Company details inserted into the database | Pass |

**Execution Status:** Completed

|  |  |
| --- | --- |
| **MODULE/FUNCTIONALITY NAME:** | Display entries from database |
| **UNIT/CLASS:** | Display |
| **CREATED BY:** | Arisha Chamadiya |
| **DATE OF CREATION:** | 06/08/2019 |
| **DATE OF REVIEW:** | 10/08/2019 |

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| --- | --- | --- | --- | --- | --- | --- |
| **TEST CASE ID** | **TEST UNIT/CLASS** | **TEST CASE** | **PRE-CONDITION** | **EXPECTED RESULT** | **ACTUAL RESULT** | **STATUS**  **(PASS/FAIL)** |
| 1 | Display | Display company entries | Company details should be present in the database | Company list | Company list | Pass |

**Execution Status:** Completed

|  |  |
| --- | --- |
| **MODULE/FUNCTIONALITY NAME:** | Search for candidates |
| **UNIT/CLASS:** | SearchCandidate |
| **CREATED BY:** | Arisha Chamadiya |
| **DATE OF CREATION:** | 06/08/2019 |
| **DATE OF REVIEW:** | 10/08/2019 |

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| --- | --- | --- | --- | --- | --- | --- |
| **TEST CASE ID** | **TEST UNIT/CLASS** | **TEST CASE** | **PRE-CONDITION** | **EXPECTED RESULT** | **ACTUAL RESULT** | **STATUS**  **(PASS/FAIL)** |
| 1 | SearchCandidate | Display candidates | Candidate details should be present in the database | Arisha  Deepak | Arisha  Deepak | Pass |

**Execution Status:** Completed

|  |  |
| --- | --- |
| **MODULE/FUNCTIONALITY NAME:** | Insert Candidate details |
| **UNIT/CLASS:** | InsertCandidate |
| **CREATED BY:** | Swati Patra |
| **DATE OF CREATION:** | 06/08/2019 |
| **DATE OF REVIEW:** | 10/08/2019 |

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| --- | --- | --- | --- | --- | --- | --- |
| **TEST CASE ID** | **TEST UNIT/CLASS** | **TEST CASE** | **PRE-CONDITION** | **EXPECTED RESULT** | **ACTUAL RESULT** | **STATUS**  **(PASS/FAIL)** |
| 1 | InsertCandidate | Insert candidate details in the database | Database connection should be established | Candidate details inserted into the database | Candidate details inserted into the database | Pass |

**Execution Status:** Completed

|  |  |
| --- | --- |
| **MODULE/FUNCTIONALITY NAME:** | Search for company |
| **UNIT/CLASS:** | SearchCompany |
| **CREATED BY:** | Deepak Kadam |
| **DATE OF CREATION:** | 06/08/2019 |
| **DATE OF REVIEW:** | 10/08/2019 |

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| --- | --- | --- | --- | --- | --- | --- |
| **TEST CASE ID** | **TEST UNIT/CLASS** | **TEST CASE** | **PRE-CONDITION** | **EXPECTED RESULT** | **ACTUAL RESULT** | **STATUS**  **(PASS/FAIL)** |
| 1 | SearchCompany | Searching for companies in the database based on candidate’s constraints | Company Details should be present | TCS | TCS | Pass |

**Execution Status:** Completed

**2.2 INTEGRATION TESTING**

|  |  |
| --- | --- |
| **PROJECT NAME:** | Job Search System |
| **MODULE/FUNCTIONALITY:** | Linked Resources Testing |
| **CREATED BY:** | Deepak Kadam |
| **DATE OF CREATION:** | 11/08/2019 |
| **DATE OF REVIEW:** | 14/08/2019 |

**2.3 USER ACCEPTANCE TESTING**

|  |  |
| --- | --- |
| **PROJECT NAME:** | Job Search System |
| **MODULE/FUNCTIONALITY:** | Validate Input Fields |
| **CREATED BY:** | Deepak Kadam, Swati Patra, Arisha Chamadiya |
| **DATE OF CREATION:** | 15/08/2019 |
| **DATE OF REVIEW:** | 19/08/2019 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Test Description** | **Step #** | **Test Steps** | **Exp. Results** | **#Business Req. Covered** | **#Functional Req. Covered** |
| 1 | Validating all the entries | - | 1) If one of the fields is empty, it will give an alert message that all entries are compulsory  2) Input type will be validated | Text field constraints and user credentials are validated | Username and password are being verified using Java String functions | Login credentials has been validated through database |

**3.0 RESOURCES/ROLES & RESPONSIBILITIES**

**4.0 TOOLS**

* JUnit testing framework
* Eclipse IDE

**5.0 APPROVALS**

**Ms. R. M. WAHUL**