***TEST SPECIFICATION***

1. **Introduction**
   1. **Goals and Objectives**

The major goal is to deliver top-notch services to our clients each and every day. To achieve this, we have distributed our testing goals in different parts namely, Immediate goals and long-term goals.

Immediate Goals Objectives-These are the direct results of our testing processes and can be conducted in any process. We are covering the discovery and prevention of all types of bugs in this. Bug discovery is one of the most major parts of software testing to find any kind of errors in the early stage, and to increase the testing success rate. If any errors or bugs are discovered we immediately take action in order to prevent them and everyone on the development team learns the behaviour and reason for the issue reported, in order to ensure bugs and errors are not duplicates in future phases and projects.

Long-term Objectives-are to test all the things in order to ensure product quality in the long run. We are focusing on aspects like Customer Satisfaction, Reliability, Management of Risk, and Quality of our product. Under customer satisfaction, we verify if our software or new feature is good enough from a user standpoint.

* 1. **Statement of Scope**

We are providing an extensive investigation of each and every URL, model, and views present in our software in order to ensure a seamless experience for the user. We are using the unittest python library for the testing of our modules.

We are testing each and every URLS present in our software in order to test the working of every web page and functions included in them, then we are using unit test to run tests on every model in order to ensure a good connection with our database and at last, we are testing the views to check the errors and bug in the logic.

**2.0 Test Plan**

**2.1 Testing tools and environment**

We are using the Unittest framework present in python to check our Django website, It is a first-level software testing tool. In this, we have created a text fixture of baseline for running the tests to ensure that it is a fixed environment. After that various test cases are made in order to set the conditions which are then used to determine whether a system under test works correctly.

**2.2 Test Schedule**

We are conducting the test every day in order to maintain and detect bugs quickly, apart from that a post-regression analysis is done after any new feature or function deployment is done.

**3.0 Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **Test Input** | **Expected Output** | **Description** |
| AT01 | Login Credentials | User should be Logged into the application | Check User Login with valid Credentials |
| AT02 | Login Credentials | The user should not be Logged into the application | Check User Login with invalid Credentials |
| AT03 | Registration Details | A new user successfully registered | Check registration of new user |
| WP01 | **-** | Dashboard with complete information | Check the working of the dashboard. |
| WP02 | **-** | The openings tab is working fine. | Check the opening webpage is rendering correctly. |
| WP03 | **-** | The Candidates tab is working fine. | Check the candidates webpage is rendering correctly. |
| WP04 | **-** | The Pipeline tab is working fine. | Check the pipeline webpage is rendering correctly. |
| WP05 | **-** | The Pipeline tab is working fine. | Check the pipeline webpage is rendering correctly. |
| WP06 |  | The Placement tab is working fine. | Check the placement webpage is rendering correctly. |
| WP07 | **-** | The Account tab is working fine. | Check the account webpage is rendering correctly. |
| DB01 | **-** | Correct output from the database in respective fields. | To check that we are fetching correct data from the database. |
| DB02 | **-** | Correct mutations in the database. | To check that we are correctly mutating the data. |

**4.0 Test Results**

**4.1 Authentication Testing**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Cases | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Closed prior to Production Release | Comments |
| AT01 | 22/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |
| AT02 | 22/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |
| AT03 | 22/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |

**4.2 Webpage and Features Testing**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Cases | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Closed prior to Production Release | Comments |
| WP01 | 25/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |
| WP02 | 25/10/22 | Sandeep | Pass | Low | Dropdown Placeholder | No | Dropdown in Form not working correctly. |
| WP03 | 25/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |
| WP04 | 26/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |
| WP05 | 26/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |
| WP06 | 26/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |
| WP07 | 26/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |

**4.3 Database Connection Test**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test Cases | Date Tested | Tester | Pass/Fail | Severity of Defect | Summary of Defect | Closed prior to Production Release | Comments |
| DB01 | 26/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |
| DB02 | 26/10/22 | Sandeep | Pass | Null | No Defect | No | Working Good |