

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Modifications | Date | Members Who Modified |
| 1 | Skeleton document and first-pass ICD and Test Plan content | 11/24 | Alexander DeForge |
| 2 | First-pass Test Plan content | 11/24 | Galen Yanofsky |
| 3 | Entered variable types for sql database / created some new tests | 11/25 | Douglas Evert |
| 4 | Split document into ICD and test plan and added cover pages | 11/25 | Douglas Evert |
| 5 | Suggested architectural changes to both requirements and test plan | 11/25 | Pierre Lucceus |
| 6 | Made changes to test plan and organized document | 11/25 | Alexander DeForge |
| 7 | Added some tests for XSS and SQL Injection | 11/26 | Douglas Evert |
| 8 | Revised test plan to include preamble/introduction | 11/26 | Galen Yanofsky |

**Requirements**

Please see requirement specifications document for specific requirements.

**Test Plan Outline**

The following document describes the scope, schedule, and resources involved in testing activities for our Human Resources Web Application. Each test case includes: A test case number, requirement number, test description, expected result, actual result, and pass/fail. The test plan is structured chronologically and is modelled after intended use of the web application. The test plan identifies each unique feature ultimately ensuring that desired functionality is achieved based on the requirements specification. The test plan interfaces with both the project plan and project analysis. The method of testing that will be conducted is white box testing. All application resources will be available to the user. Both manual and automated, tool driven tests will be conducted on the application. Automated testing provides additional scrutiny that manual testing is unable to accomplish. Test results will be documented in detail once completed. Each test case is described below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case Number | Requirement Number | Test Description | Expected Result | Actual Result | Pass/Fail |
| 1 | 1 | Log in with admin credentials | The Admin webpage is displayed | The Admin webpage is displayed | Pass |
| 2 | 1 | Log in with user credentials | The User webpage is displayed | The User webpage is displayed | Pass |
| 3 | 1 | Check Application login log | Entries for successful and unsuccessful entries should exist | Entries for successful and unsuccessful entries should exist | Pass |
| 4 | 1 | User clicks on register | User is directed to contact admin Only admin can reset password | User is directed to contact admin Only admin can reset password | Pass |
| 5 | 2 | User click on forget password | User is directed to contact admin  Only admin can reset password | User is directed to contact admin  Only admin can reset password | Pass |
| 6 | 3 | Add demographic from User view | Demographic is displayed in the User webpage | Demographic is displayed in the User webpage | Pass |
| 7 | 4 | User enters wrong credentials 3 times | Account is locked contact admin | Account is locked contact admin | Pass |
| 8 | 4 | User click back button after login out | User is directed to the login page not the previous page | User is directed to the login page not the previous page | Pass |
| 9 | 4 | User attempts any action after 5 minutes of inactivity | User is directed to the login page not the previous page | User is directed to the login page not the previous page | Pass |
| 10 | 4 | User attempt to logon using ‘ OR ‘1=1’ | Authentication should not be allowed. | Authentication should not be allowed. | Pass |
| 11 | 5 | Access login, admin, and user webpages via desktop and mobile web browsers (as simulated by Google Chrome) | The webpages display as designed | The webpages display as designed | Pass |
| 12 | 6 | Remove Name, Address, Phone, Salary, PTO Balance, Demographic, and Notes from Admin view | The field value is no longer displayed in the Admin webpage | The field value is no longer displayed in the Admin webpage | Pass |
| 13 | 6 | Add employee record via the Admin view | When queried, that employee record is returned | When queried, that employee record is returned | Pass |
| 14 | 6 | Remove employee record via the Admin view | When queried, that employee record does not return | When queried, that employee record does not return | Pass |
| 15 | 6 | Update employee record via the Admin view | When queried and displayed, employee record displays new data | When queried and displayed, employee record displays new data | Pass |
| 16 | 6 | Enter HTML code to try and simulate XSS | Information should be stripped of HTML special characters | Information should be stripped of HTML special characters | Pass |
| 17 | 7 | Name, Address, Phone, Salary, PTO Balance, Demographic, and Notes are displayed in the Admin view | Information is displayed | Information is displayed | Pass |
| 18 | 7 | Name, Address, Phone, Salary, PTO Balance, and Demographic are displayed in the User view | Information is displayed | Information is displayed | Pass |

**Web Application Test Case**

The purpose of this sample test case is two guide the tester and introduce each functionality in a sensible manner.

**Direct Access to Internal Pages**

* Try to access <http://ec2-52-90-44-3.compute-1.amazonaws.com/php/admin.php> directly.
* *Try to access* [*http://ec2-52-90-44-3.compute-1.amazonaws.com/*](http://ec2-52-90-44-3.compute-1.amazonaws.com/php/admin.php)*site/user/html directly*

**Testing the Employee User:**

* Login as Wiliam Davids (william).
* Ensure respective data is viewable and attempt to update it..

**Testing the Administrator User:**

* Search for Kim Desantis/Search for William Davids
* View Kim Desantis Information/Delete Record
* View William Davids/Update Phone Number
* Search Only for William Davids/Verify Record Change

**Logout:**

* Test Logout Button Functionality