**10.1 TESTING PLAN**

I have used Black box testing for the project.

**10.2 TEST SUITE DESIGN**

**10.2.1** **Test Cases**

**OnLoad Web Application Test Suite and Test Case Design**

Test Suite No: 1

Test Suite Detail: OnLoad web application.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnLoad\_Web Application | On loading of web app | * The Title Page of the web application is displayed. * Banner Images in Jscript are displayed. | * The Title Page of the web application is displayed. * Banner Images in Jscript are displayed. | Pass |
| 2 | OnLoad\_MenuBar | All items in the vertical menu bar will get load. | * All items in the menu bar will appear and available for user to click. | * All items in the menu bar will appear and available for user to click. | Pass |
| 3 | OnLoad\_Banner | Images in banner area scrolls from Left to Right with Jscript. | * One after the other images are scrolled on the top of page. | * One after the other images are scrolled on the top of page | Pass |
| 4 | Onclick\_MenuBar Items | On click of menu bar items by the user. | * Redirects the user concern web page on click of menu items. | * Redirects the user concern web page on click of menu items. | Pass |

**Module #1 New Entry Test Suite and Test Case Design**

Test Suite No: 1

Test Suite Detail: New Entry WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnFill\_  Controls | While entering in edit controls, if entered item is invalid or left null if required. | A pop-up alert message of  “Invalid Entry” is popped up. | A pop-up alert message of  “Invalid Entry” is popped up. | Pass |
| 2 | OnKeypress\_  AddLink | If some entries are new and not mentioned in the dropdown, dynamically can be added by this option. | A hidden TextBox and AddBtn pops up which takes new entry and adds to the dropdown control dynamically. | A hidden TextBox and AddBtn pops up which takes new entry and adds to the dropdown control dynamically. | Pass |
| 3 | Onclick\_Save | If entered details are valid, and intranet connection is stable,  On click Save button | * Entry of new project is made in the DB. * So as the log is auto updated. | * Entry of new project is made in the DB. * So as the log is auto updated. | Pass |
| 4 | Onclick\_Save | If entered details are valid, but intranet connection is not stable,  On click Save button | * Entry of new user is made in the temp DB and later on sync it will be updated onto the master company DB. * So as the log is auto updated. | * Entry of new user is made in the temp DB and later on sync it will be updated onto the master company DB. * So as the log is auto updated. | Pass |
| 5 | Onclick\_Save | If entered details are invalid and intranet connection is stable,  On click Save button | Appropriate error message for the concerned control is popped up for user convenience. | Appropriate error message for the concerned control is popped up for user convenience. | Pass |
| 6 | Onclick\_Cancel | On click Cancel button | The entered values in all the controls are cleared. | The entered values in all the controls are cleared. | Pass |

**Module #2 Daily Entry Test Suite and Test Case Design**

Test Suite No: 1

Test Suite Detail: Daily Entry WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnFill\_  Controls | While entering in edit controls, if entered item is invalid or left null if required. | A pop-up alert message of  “Invalid Entry” is popped up. | A pop-up alert message of  “Invalid Entry” is popped up. | Pass |
| 2 | OnClick\_Get  DepartmentID | Automatically fetches DepartmentID from given EmployeeID | DepartmentID fills up automatically. | DepartmentID fills up automatically. | Pass |
| 3 | OnKeypress\_  AddLink | If some entries are new and not mentioned in the dropdown, dynamically can be added by this option. | A hidden TextBox and AddBtn pops up which takes new entry and adds to the dropdown control dynamically. | A hidden TextBox and AddBtn pops up which takes new entry and adds to the dropdown control dynamically. | Pass |
| 4 | Onclick\_Save | If entered details are valid, and intranet connection is stable,  On click Save button | * Entry of new project is made in the DB. * So as the log is auto updated. | * Entry of new project is made in the DB. * So as the log is auto updated. | Pass |
| 5 | Onclick\_Save | If entered details are valid, but intranet connection is not stable,  On click Save button | * Entry of new user is made in the temp DB and later on sync it will be updated onto the master company DB. * So as the log is auto updated. | * Entry of new user is made in the temp DB and later on sync it will be updated onto the master company DB. * So as the log is auto updated. | Pass |
| 6 | Onclick\_Save | If entered details are invalid and intranet connection is stable,  On click Save button | Appropriate error message for the concerned control is popped up for user convenience. | Appropriate error message for the concerned control is popped up for user convenience. | Pass |
| 7 | Onclick\_Cancel | On click Cancel button | The entered values in all the controls are cleared. | The entered values in all the controls are cleared. | Pass |

**Module #3 Excel2DB Test Suite and Test Case Design**

Test Suite No: 1

Test Suite Detail: Excel2DB WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnFill\_  Controls | While entering in edit controls, if entered item is invalid or left null if required. | A pop-up alert message of  “Invalid Entry” is popped up. | A pop-up alert message of  “Invalid Entry” is popped up. | Pass |
| 2 | Onclick\_Execute | If entered details are valid and the DB name matches with concern fields in .xls file. | Data in the DB will get updated as per data in the .xls file uploaded. | Data in the DB will get updated as per data in the .xls file uploaded. | Pass |
| 3 | Onclick\_Execute | If entered details are not valid and the DB name does not matches with concern fields in .xls file. | An Error message will pop up and the entry in the log with be auto updated. | An Error message will pop up and the entry in the log with be auto updated. | Pass |

**Module #4 Projects Test Suite and Test Case Design**

Test Suite No: 1

Test Suite Detail: Project Details WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnChange\_  ProjectID DropDown Control | On change of the ProjectID selection from the DropDown control. | The details about the specific project comes up on the screen. It also activates a hidden link to edit project details. | The details about the specific project comes up on the screen. It also activates a hidden link to edit project details. | Pass |
| 2 | Onclick\_Edit  PrjDetails | On click Edit Project Details Link | A hidden panel to edit some of the editable fields appear on the same WebForm | A hidden panel to edit some of the editable fields appear on the same WebForm | Pass |

Test Suite No: 2

Test Suite Detail: Edit Project Details Panel

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnSelect\_Radio  Buttons | Selecting the RadioBtns of fields you want to edit. | A hidden TextBox and UpdateBtn pops up which takes new entry and updates to the DB dynamically. | A hidden TextBox and UpdateBtn pops up which takes new entry and updates to the DB dynamically. | Pass |
| 2 | Onclick\_Done  EditsBtn | On click Done Edits Button | All controls in panel are cleared and goes back in hidden state, the table of project details are now shown in updated values. | All controls in panel are cleared and goes back in hidden state, the table of project details are now shown in updated values. | Pass |

**Module #5 Report Generation Test Suite and Test Case Design**

Test Suite No: 1

Test Suite Detail: RepGen Title WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnClick\_Admin | Report generation by an Admin is clicked. | Redirects the user to a login page. | Redirects the user to a login page. | Pass |
| 2 | Onclick\_PrjMngr | Report generation by a Project Manager is clicked. | Redirects the user to a login page. | Redirects the user to a login page. | Pass |
| 3 | Onclick\_Employee | Report generation by an Employee is clicked. | Redirects the user to a login page. | Redirects the user to a login page. | Pass |

Test Suite No: 2

Test Suite Detail: Admin Login WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnFill\_AzureID | Entering right Admin privileged AzureID in the TextBox. | TextBox entry is validated and cross checked with the employee records. | TextBox entry is validated and cross checked with the employee records. | Pass |
| 2 | Onclick\_Forgot  Password | If Forgot Password link is clicked. | Email to the SMS Protal with the correct password is sent to the concerned AzureID. | Email to the SMS Protal with the correct password is sent to the concerned AzureID. | Pass |
| 3 | Onclick\_LogIn | Validation of password with appropriate AzureID is validated, If match is NOT found. | Appropriate Error message pops up and a log entry is made and the AzureID is notified about the action via SMS Portal. | Appropriate Error message pops up and a log entry is made and the AzureID is notified about the action via SMS Portal. | Pass |
| 4 | Onclick\_LogIn | Validation of password with appropriate AzureID is validated, If match is found. | Redirects to the RepGen page for Admin. | Redirects to the RepGen page for Admin. | Pass |

Test Suite No: 3

Test Suite Detail: Project Manager Login WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnFill\_AzureID | Entering right PrjMngr privileged AzureID in the TextBox. | TextBox entry is validated and cross checked with the employee records. | TextBox entry is validated and cross checked with the employee records. | Pass |
| 2 | Onclick\_Forgot  Password | If Forgot Password link is clicked. | Email to the SMS Protal with the correct password is sent to the concerned AzureID. | Email to the SMS Protal with the correct password is sent to the concerned AzureID. | Pass |
| 3 | Onclick\_LogIn | Validation of password with appropriate AzureID is validated, If match is NOT found. | Appropriate Error message pops up and a log entry is made and the AzureID is notified about the action via SMS Portal. | Appropriate Error message pops up and a log entry is made and the AzureID is notified about the action via SMS Portal. | Pass |
| 4 | Onclick\_LogIn | Validation of password with appropriate AzureID is validated, If match is found. | Redirects to the RepGen page for Project Manager. | Redirects to the RepGen page for Project Manager. | Pass |

Test Suite No: 4

Test Suite Detail: Employee Login WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnFill\_AzureID | Entering right Employee privileged AzureID in the TextBox. | TextBox entry is validated and cross checked with the employee records. | TextBox entry is validated and cross checked with the employee records. | Pass |
| 2 | Onclick\_Forgot  Password | If Forgot Password link is clicked. | Email to the SMS Protal with the correct password is sent to the concerned AzureID. | Email to the SMS Protal with the correct password is sent to the concerned AzureID. | Pass |
| 3 | Onclick\_LogIn | Validation of password with appropriate AzureID is validated, If match is NOT found. | Appropriate Error message pops up and a log entry is made and the AzureID is notified about the action via SMS Portal. | Appropriate Error message pops up and a log entry is made and the AzureID is notified about the action via SMS Portal. | Pass |
| 4 | Onclick\_LogIn | Validation of password with appropriate AzureID is validated, If match is found. | Redirects to the RepGen page for Employee. | Redirects to the RepGen page for Employee. | Pass |

**Module #5.1 Admin Report Generation Test Suite and Test Case Design**

Test Suite No: 1

Test Suite Detail: Admin RepGen WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnClick\_  Appropriate  Report | Selecting which report specifically Admin wants to see. | The report will be generated with filters entered. | The report will be generated with filters entered. | Pass |
| 2 | Onclick\_Save  PDF | On click Save PDF Btn on report. | The Report will be saved as PDF file on the local computer. | The Report will be saved as PDF file on the local computer. | Pass |
| 3 | OnClick\_Print | On click of Print Btn on the report. | The Report so generated can be directly printed. | The Report so generated can be directly printed. | Pass |
| 4 | OnClick\_Export | On click of Export Btn on the report. | The Report so generated can be exported to different file formats i.e. excel, word, txt, etc. | The Report so generated can be exported to different file formats i.e. excel, word, txt, etc. | Pass |
| 5 | OnClick\_LogOut | On Click of LogOut button on top right corner of the WebForm. | The User will be redirected to the Title RepGen WebForm and “Logged out successfully” message will then pop up on PageLoad. | The User will be redirected to the Title RepGen WebForm and “Logged out successfully” message will then pop up on PageLoad. | Pass |

**Module #5.2 Project Manager Report Generation Test Suite and Test Case Design**

Test Suite No: 1

Test Suite Detail: PrjMngr RepGen WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnClick\_  Appropriate  Report | Selecting which report specifically PrjMngr wants to see. | The report will be generated with filters entered. | The report will be generated with filters entered. | Pass |
| 2 | Onclick\_Save  PDF | On click Save PDF Btn on report. | The Report will be saved as PDF file on the local computer. | The Report will be saved as PDF file on the local computer. | Pass |
| 3 | OnClick\_Print | On click of Print Btn on the report. | The Report so generated can be directly printed. | The Report so generated can be directly printed. | Pass |
| 4 | OnClick\_Export | On click of Export Btn on the report. | The Report so generated can be exported to different file formats i.e. excel, word, txt, etc. | The Report so generated can be exported to different file formats i.e. excel, word, txt, etc. | Pass |
| 5 | OnClick\_LogOut | On Click of LogOut button on top right corner of the WebForm. | The User will be redirected to the Title RepGen WebForm and “Logged out successfully” message will then pop up on PageLoad. | The User will be redirected to the Title RepGen WebForm and “Logged out successfully” message will then pop up on PageLoad. | Pass |

**Module #5.3 Employee Report Generation Test Suite and Test Case Design**

Test Suite No: 1

Test Suite Detail: Employee RepGen WebForm

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | Function Name | Test Case (condition) | Expected Results | Actual Result | Pass/Fail |
| 1 | OnClick\_  Appropriate  Report | Selecting which report specifically Employee wants to see. | The report will be generated with filters entered. | The report will be generated with filters entered. | Pass |
| 2 | Onclick\_Save  PDF | On click Save PDF Btn on report. | The Report will be saved as PDF file on the local computer. | The Report will be saved as PDF file on the local computer. | Pass |
| 3 | OnClick\_Print | On click of Print Btn on the report. | The Report so generated can be directly printed. | The Report so generated can be directly printed. | Pass |
| 4 | OnClick\_Export | On click of Export Btn on the report. | The Report so generated can be exported to different file formats i.e. excel, word, txt, etc. | The Report so generated can be exported to different file formats i.e. excel, word, txt, etc. | Pass |
| 5 | OnClick\_LogOut | On Click of LogOut button on top right corner of the WebForm. | The User will be redirected to the Title RepGen WebForm and “Logged out successfully” message will then pop up on PageLoad. | The User will be redirected to the Title RepGen WebForm and “Logged out successfully” message will then pop up on PageLoad. | Pass |