### Unit Test Cases

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | T  Y  P  e | Github ID | Subject | Test Name | Test Description | Step Name | Description | Expected Result |
| **ESCMS**-001 | M  A  N  U  A  L |  | Electric Supply Customer Management System | Check Successful Login for **ESCMS.** | The purpose of this test is to verify that the User Id and Password of user is valid. | Step1 | Insert wrong User Id and Password. And Click on Login Button. | **ESCMS** will display error message. And Failed to Login. |
| **ESCMS**-002 |  |  |  |  |  | Step2 | Insert Wrong User Id and valid Password. And Click on Login Button. | **ESCMS** will display error message. And Failed to Login. |
| **ESCMS**-003 |  |  |  |  |  | Step3 | Insert Valid User Id and Wrong Password. And Click on Login Button. | **ESCMS** will display error message. And Failed to Login. |
| **ESCMS**-004 |  |  |  |  |  | Step4 | Insert Nothing in User Id and Password fields. And Click on Login Button. | **ESCMS** will display error message. And Failed to Login. |
| **ESCMS**-005 |  |  |  |  |  | Step5 | Insert Nothing in User Id and insert Valid Password fields. And Click on Login Button. | **ESCMS** will display error message. And Failed to Login. |
| **ESCMS**-006 |  |  |  |  |  | Step6 | Insert Nothing in Password and insert Valid User Id fields. And Click on Login Button. | **ESCMS** will display error message. And Failed to Login. |
| **ESCMS**-007 |  |  |  |  |  | Step7 | Insert Nothing in User Id and insert invalid Password fields. And Click on Login Button. | **ESCMS** will display error message. And Failed to Login. |
| **ESCMS**-008 |  |  |  |  |  | Step8 | Insert Nothing in Password and insert invalid User Id fields. And Click on Login Button. | **ESCMS** will display error message. And Failed to Login. |
| **ESCMS**-009 |  |  |  |  |  | Step9 | Insert valid User Id and Password. And Click on Login Button. | Successfully login. |
| **ESCMS**-010 | Manual |  | Electric Supply Customer Management System | Check Successful Cancel for **ESCMS.** | The purpose of this test is to verify that close Login Window. | Step1 | Click on Cancel link. | Successfully Cancel. |
| **ESCMS**-011 | Manual |  | Electric Supply Customer Management System | Check Customer Details for **ESCMS.** | The purpose of this test is to verify that the all new customer could be **Add** in ESCMS. | Step1 | Add by enter the CustomerID,Name,  Address and  Contact No. of the customer and submit the details. | New Customer will add in ESCMS. |
| **ESCMS**-012 |  |  |  |  | The purpose of this test could be **View** all customerdetailsin ESCMS. | Step2 | To Show the Customer details. | Successfully displayed. |
| **ESCMS**-013 |  |  |  |  | The purpose of this test is to verify that the selected customer could be **Edit** in ESCMS DB. | Step3 | Select the Customer Details and click the Edit option. Now edit the Customer Details and submit the details. | Connection details successfully updated. |
| **ESCMS**-014 |  |  |  |  | The purpose of this test is to **Delete** that the selected customer from ESCMS. | Step4 | Select the Customer and click the Delete option. | Customer account successfully deleted. |
| **ESCMS**-0015 |  |  |  |  | The purpose of this test is to **Search** the customerfrom customer details in ESCMS. | Step5 | Entered Customer ID/Customer Name/Customer Address and Click on the search option. | Successfully Displayed. |
| **ESCMS**-016 |  |  |  |  | The purpose of this test is to close the customer Browser windowin ESCMS. | Step6 | Click **Cancel** to close Customers window. | Successfully Closed. |
| **ESCMS**-017 | Manual |  | Electric Supply Customer Management System | Check Payment Details for **ESCMS.** | The purpose of this test is to verify that the all new payment of customercould be **Add** in ESCMS. | Step1 | Add by enter the Payment ID, Name ,  Amount & date of payment of the customer and submit the details. | New Payment will add in ESCMS. |
| **ESCMS**-018 |  |  |  |  | The purpose of this test is to verify that the all payment details of customer could be **View** in ESCMS. | Step2 | To Show the Customer Payment details. | Successfully displayed. |
| **ESCMS**-019 |  |  |  |  | The purpose of this test is to verify that the selected payment of customer could be **Edit** in ESCMS. | Step3 | Select customer Details and click the Edit option. Now edit the Customer Details and submit the details. | Connection details successfully updated. |
| **ESCMS**-020 |  |  |  |  | The purpose of this test is to **Delete** that the selected customer payment details could be **Delete** in ESCMS. | Step4 | Select the Customer and click the Delete option. | Payment of Customer account successfully deleted. |
| **ESCMS**-021 |  |  |  |  | The purpose of this test is to close the payment windowin ESCMS. | Step5 | Click **Cancel** to close Customers window. | Successfully Closed. |
| **ESCMS**-022 | Manual |  | Electric Supply Customer Management System. | Check New Connection for **ESCMS.** | The purpose of this test is to verify that the all new connection of customercould be **Add** in ESCMS. | Step1 | Add by enter the Payment ID of the customer and submit. | New Customer will add in ESCMS. |
| **ESCMS**-023 |  |  |  |  | The purpose of this test is to verify that the all customer for new connection could be **View** in ESCMS. | Step2 | To Show the Customer for new connection. | Successfully displayed. |
| **ESCMS**-024 |  |  |  |  | The purpose of this test is to verify that the selected new connection of customer could be **Edit** in ESCMS. | Step3 | Select customer and click the Edit option. Now edit the Customer Details and submit the details. | Connection details successfully updated. |
| **ESCMS**-025 |  |  |  |  | The purpose of this test is to **Delete** that the selected customer detailsin ESCMS. | Step4 | Select the Customer and click the Delete option. | successfully deleted. |
| **ESCMS**-026 |  |  |  |  | The purpose of this test is to close the new connection windowin ESCMS. | Step5 | Click **Cancel** to close connection window. | Successfully Closed. |
| **ESCMS**-027 | Manual |  | Electric Supply Customer Management System. | Check Estimate & Quotation for **ESCMS**. | The purpose of this test is to **View** that the all estimate & quotation in ESCMS. | Step1 | To Show the estimate & quotation for customer in ESCMS. | Successfully displayed. |
| **ESCMS**-028 |  |  |  |  | The purpose of this test is to assign estimate for new connection. | Step2 | Select customer and click on Assign Estimator option. Now add name of the estimator and submit the details. | Connection details successfully updated. |
| **ESCMS**-029 |  |  |  |  | The purpose of this test is to update quotation for new connection. | Step3 | Select customer and click on update quotation option. Now add name of the estimator and submit the details. | Connection details successfully updated. |
| **ESCMS**-030 |  |  |  |  | The purpose of this test is to close the estimate & quotation windowin ESCMS. | Step4 | Click **Cancel** to close the estimate & quotation window. | Successfully Closed. |
| **ESCMS**-031 | Manual |  | Electric Supply Customer Management System. | Check work order for **ESCMS**. | The purpose of this test is to **View** contractor details in ESCMS. | Step1 | To Show the contractor details. | Successfully displayed. |
| **ESCMS**-032 |  |  |  |  | The purpose of this test is to **assign** **contractor** for new connection in ESCMS. | Step2 | Select an information and click on assign contractor option. Now add contractor name and submit the details. | Connection details successfully updated. |
| **ESCMS**-033 |  |  |  |  | The purpose of this test is to close the work order windowin ESCMS. | Step3 | Click **Cancel** to close the work order window. | Successfully Closed. |
| **ESCMS**-034 | Manual |  | Electric Supply Customer Management System. | Check setting for **ESCMS.** | The purpose of this test is change password in setting. | Step1 | Enter current password, new password and submit. | Password successfully updated. |
| **ESCMS**-035 |  |  |  |  | The purpose of this test is to close the setting windowin ESCMS. | Step2 | Click **Cancel** to close the setting window | Successfully closed. |
| **ESCMS**-036 | Manual |  | Electric Supply Customer Management System. | Check Contractor Bill for **ESCMS.** | The purpose of this test is to **Add Bill** in the Contractor Bill. | Step1 | Enter Date, Contractor Name, Invoice No. of the Contractor and submit. | Bill is successfully generated. |
| **ESCMS**-037 |  |  |  |  | The purpose of this test is to **Delete Item** from the Contractor Bill. | Step2 | Select the Contractor ID and click the Delete option. | Contractor account successfully deleted. |
| **ESCMS**-038 |  |  |  |  | The purpose of this test is to **Print Bill** from the Contractor Bill. | Step3 | Print the Bill of the Contractor for paying his remulation. | Successfully print the Bill. |
| **ESCMS**-039 | Manual |  | Electric Supply Customer Management System. | Check contractor details for **ESCMS.** | The purpose of this test is to verify that the contractor details could be **Add** in ESCMS. | Step1 | Add by enter the Contractor ID, Name, Address, Contact Number of the Contractor and submit. | New Contractor will add in ESCMS. |
| **ESCMS**-040 |  |  |  |  | The purpose of this test is to **View** contractor details in ESCMS. | Step2 | To Show the contractor details. | Successfully displayed. |
| **ESCMS**-041 |  |  |  |  | The purpose of this test is to verify that the selected Contractor details could be **Edit** in ESCMS. | Step3 | Select information and click the Edit option. Now edit the Contractor Details and submit the details. | Connection details successfully updated. |
| **ESCMS**-042 |  |  |  |  | The purpose of this test is to **Delete** that the selected contractor detailsin ESCMS. | Step4 | Select the Contractor details and click the Delete option. | Successfully deleted. |
| **ESCMS**-043 |  |  |  |  | The purpose of this test is to **Search** the contractor from contractor details in ESCMS. | Step5 | Entered Contractor ID/Name/Address and Click on the search option. | Successfully Displayed. |
| **ESCMS**-044 |  |  |  |  | The purpose of this test is to close the Contractor windowin ESCMS. | Step6 | Click **Cancel** to close the Contractor window. | Successfully closed. |
| **ESCMS**-045 | Manual |  | Electric Supply Customer Management System. | Check Employee details for **ESCMS.** | The purpose of this test is to verify that the Employee details could be **Add** in ESCMS. | Step1 | Add by enter the Employee ID, Name, Address, Contact Number of the Employee and submit. | New Employee will add in ESCMS. |
| **ESCMS**-046 |  |  |  |  | The purpose of this test is to **View** contractor details in ESCMS. | Step2 | To Show the Employee details. | Successfully displayed. |
| **ESCMS**-047 |  |  |  |  | The purpose of this test is to verify that the selected Employee details could be **Edit** in ESCMS. | Step3 | Select information and click the Edit option. Now edit the Employee Details and submit the details. | Connection details successfully updated. |
| **ESCMS**-048 |  |  |  |  | The purpose of this test is to **Delete** that the selected Employee detailsin ESCMS. | Step4 | Select an information and Click on Delete button. | Deleted successfully. |
| **ESCMS**-049 |  |  |  |  | The purpose of this test is to **Search** the employee from employee details in ESCMS. | Step5 | Entered Employee ID/Name/Address and Click on the search option. | Successfully Displayed |
| **ESCMS**-050 |  |  |  |  | The purpose of this test is to close the Employee windowin ESCMS. | Step6 | Click **Cancel** to close the Employee window. | Successfully closed. |
| **ESCMS**-051 | Manual |  | Electric Supply Customer Management System. | Report Generation in **ESCMS.** | The purpose of this test about Application received in certain time. | Step1 | Show the Details about Application received in certain time. | Successfully displayed. |
| **ESCMS**-052 | Manual |  | Electric Supply Customer Management System. | Exit from main window in **ESCMS.** | The purpose of this test is to Exit from main windowin ESCMS. | Step1 | Click **Exit** to close the main window. | Successfully closed. |

### System Test Cases

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| Test Case Id | Type | Github ID | Subject | Test Name | Test Description | Step Name | Description | Expected Result |
| **ESCMS** -053 | Manual |  |  | Check Log in. | It is to check that Login works properly. | Step1 | Click on Login button after inserting invalid User id and password from **ESCMS.** | Login failed to **ESCMS**. And can’t able to use the feature. |
| **ESCMS** -054 |  |  |  |  |  | Step2 | Click on Login button after inserting valid User id and password from **ESCMS**. | Successfully Login to **ESCMS**. And can able to use the feature. |
| **ESCMS** -055 | Manual |  |  | Check Successfully Update of Customer Browser in **ESCMS**. | The purpose of this test is to verify that the all new customer could be **Add** in ESCMS. | Step1 | Click on **Add** **Customer** link and submit all information. | Addition  Successfully done to **ESCMS**. |
| **ESCMS** -056 |  |  |  |  | The purpose of this test is to verify that the all customer Details could be **Edit** in ESCMS. | Step2 | Select an information and click on Edit Customer link. | Information details successfully updated. |
| **ESCMS** -057 | MANUAL |  |  | Check Successfully Update of Payment in **ESCMS**. | The purpose of this test is to verify that the all Payment Details of customer could be **Add** in ESCMS. | Step1 | Click on **Add** **Payment** link and submit all information. | Addition  Successfully done to **ESCMS**. |
| **ESCMS** -058 |  |  |  |  | The purpose of this test is to verify that all payment Details could be **Edit** in ESCMS. | Step2 | Select an information and click on Edit Details link. | Information details successfully updated. |
| **ESCMS** -059 | Manual |  |  | Check Successfully Update of New Connection in **ESCMS**. | The purpose of this test is to verify that all New Connection Details of customer could be **Add** in ESCMS. | Step1 | Click on **Add** **New** **Connection** link and submit all information. | Addition  Successfully done to **ESCMS**. |
| **ESCMS** -060 |  |  |  |  | The purpose of this test is to verify that new connection details could be **Edit** in ESCMS. | Step2 | Select information and click on Edit Details link. | Information details successfully updated. |
| **ESCMS** -061 |  |  |  | Check Successfully Update of Estimation & Quotation in **ESCMS**. | The purpose of this test is to verify that assign estimator could be **Edit** in ESCMS. | Step1 | Select information and click on Assign Estimator link. And submit estimator name. | Information details successfully updated. |
| **ESCMS** -062 |  |  |  |  | The purpose of this test is to update **quotation** in ESCMS. | Step2 | Select information and click on Update Quotation link. And submit information. | Information details successfully updated. |
| **ESCMS** -063 | Manual |  |  | Check Successfully Update of Contractor Browser in **ESCMS**. | The purpose of this test is to verify that all Contractor Details could be **Add** in ESCMS. | Step1 | Click on **Add** **Contractor** link and submit all information. | Addition  Successfully done to **ESCMS**. |
| **ESCMS** -064 |  |  |  |  | The purpose of this test is to verify that assign Contractor could be **Edit** in ESCMS. | Step2 | Select information and click on Edit Details link. And submit information. | Information details successfully updated. |
| **ESCMS** -065 | Manual |  |  | Check Successfully Update of Employee Browser in **ESCMS**. | The purpose of this test is to verify that all Employee Details could be **Add** in ESCMS. | Step1 | Click on Add Info and submit all information. | Addition  Successfully done to **ESCMS**. |
| **ESCMS** -066 |  |  |  |  | The purpose of this test is to verify that assign Employee could be **Edit** in ESCMS. | Step2 | Select information and click on Edit Info link. And submit information. | Information details successfully updated. |
| **ESCMS** -067 |  |  |  |  | The purpose of this test is to **Search** the Employee from Employee details in ESCMS. | Step3 | Entered Employee ID/Name/Address and Click on the search option. | Successfully Displayed. |
| **ESCMS** -068 | Manual |  |  | Check successfully **Report** Generation in **ESCMS.** | The purpose of this test about Application received in certain time. | Step1 | Show the Details about Application received in certain time. | Successfully displayed. |
| **ESCMS** -078 | Manual |  |  | Check logout. | It is to check that Logout works properly. | Step1 | Click on logout button to logout from **ESCMS** section. | Successfully Logout from **ESCMS.** And can’t able to use the feature any more. |

## Test reports for Unit Test Cases and System Test Cases

### Test reports for Unit Test Cases

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| --- | --- | --- |
| Test Case Id | Comment | Status |
| **DNBSN**-001 | NA | PASS |
| **DNBSN**-002 | NA | PASS |
| **DNBSN**-003 | NA | PASS |
| **DNBSN**-004 | NA | PASS |
| **DNBSN**-005 | NA | PASS |
| **DNBSN**-006 | NA | PASS |
| **DNBSN**-007 | NA | PASS |
| **DNBSN**-008 | NA | PASS |
| **DNBSN**-009 | NA | PASS |
| **DNBSN**-010 | NA | PASS |
| **DNBSN**-011 | NA | PASS |
| **DNBSN**-012 | NA | PASS |
| **DNBSN**-013 | NA | PASS |
| **DNBSN**-014 | NA | PASS |
| **DNBSN**-015 | NA | PASS |
| **DNBSN**-016 | NA | PASS |
| **DNBSN**-017 | NA | PASS |
| **DNBSN**-018 | NA | PASS |
| **DNBSN**-019 | NA | PASS |
| **DNBSN**-020 | NA | PASS |
| **DNBSN**-021 | NA | PASS |
| **DNBSN**-022 | NA | PASS |
| **DNBSN**-023 | NA | PASS |
| **DNBSN**-024 | NA | PASS |
| **DNBSN**-025 | NA | PASS |
| **DNBSN**-026 | NA | PASS |
| **DNBSN**-027 | NA | PASS |
| **DNBSN**-028 | NA | PASS |
| **DNBSN**-029 | NA | PASS |
| **DNBSN**-030 | NA | PASS |
| **DNBSN**-031 | NA | PASS |
| **DNBSN**-032 | NA | PASS |
| **DNBSN**-033 | NA | PASS |
| **DNBSN**-034 | NA | PASS |
| **DNBSN**-035 | NA | PASS |
| **DNBSN**-036 | NA | PASS |
| **DNBSN**-037 | NA | PASS |
| **DNBSN**-038 | NA | PASS |
| **DNBSN**-039 | NA | PASS |
| **DNBSN**-040 | NA | PASS |
| **DNBSN**-041 | NA | PASS |
| **DNBSN**-042 | NA | PASS |
| **DNBSN**-043 | NA | PASS |
| **DNBSN**-044 | NA | PASS |
| **DNBSN**-045 | NA | PASS |
| **DNBSN**-046 | NA | PASS |
| **DNBSN**-047 | NA | PASS |
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| **DNBSN**-048 | NA | PASS |
| **DNBSN**-049 | NA | PASS |
| **DNBSN**-050 | NA | PASS |
| **DNBSN**-051 | NA | PASS |
| **DNBSN**-052 | NA | PASS |
| **DNBSN**-053 | NA | PASS |
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| **DNBSN**-057 | NA | PASS |
| **DNBSN**-058 | NA | PASS |
| **DNBSN**-059 | NA | PASS |
| **DNBSN**-060 | NA | PASS |
| **DNBSN**-061 | NA | PASS |
| **DNBSN**-062 | NA | PASS |
| **DNBSN**-063 | NA | PASS |
| **DNBSN**-064 | NA | PASS |
| **DNBSN**-065 | NA | PASS |
| **DNBSN**-066 | NA | PASS |

### Test reports for System Test Cases

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|  |  |  |
| Test Case Id | Comment | Status |
| **DNBSN**-067 | NA | PASS |
| **DNBSN**-068 | NA | PASS |
| **DNBSN**-069 | NA | PASS |
| **DNBSN**-070 | NA | PASS |
| **DNBSN**-071 | NA | PASS |
| **DNBSN**-072 | NA | PASS |
| **DNBSN**-073 | NA | PASS |
| **DNBSN**-074 | NA | PASS |
| **DNBSN**-075 | NA | PASS |
| **DNBSN**-076 | NA | PASS |
| **DNBSN**-077 | NA | PASS |
| **DNBSN**-078 | NA | PASS |
| **DNBSN**-079 | NA | PASS |
| **DNBSN**-080 | NA | PASS |
| **DNBSN**-081 | NA | PASS |
| **DNBSN**-082 | NA | PASS |
| **DNBSN**-083 | NA | PASS |
| **DNBSN**-084 | NA | PASS |
| **DNBSN**-085 | NA | PASS |
| **DNBSN**-086 | NA | PASS |
| **DNBSN**-087 | NA | PASS |
| **DNBSN**-089 | NA | PASS |
| **DNBSN**-090 | NA | PASS |
| **DNBSN**-091 | NA | PASS |
| **DNBSN**-092 | NA | PASS |
| **DNBSN**-093 | NA | PASS |