

Project Name	Invoice Management System								
Module Name	Login								
Test Scenario ID	Test Scenario Description	Test Case ID	Test Case Description	Test Steps	Preconditions	Test Data	Post Conditions	Expected Result	Status
TS_IMS_001	Verify the login functionality of the Login window.	TC_IMS_Login_001	Enter a valid username and password. Press the "Login" button.	1. Enter in valid username. 2. Enter in valid password. 3. Click the "Login" button.	1. Test Data 2. Access to IMS software.	username: test password: test	User is taken to the dashboard window.	Successful login. The user is taken from the login and moved to the Dashboard window.	PASS
TS_IMS_002	Verify the login functionality of the Login window.	TC_IMS_Login_002	Enter a valid username and incorrect password. Press the "Login" button.	1. Enter in valid username. 2. Enter an invalid password. 3. Click the "Login" button.	1. Test Data 2. Access to IMS software.	username: test password: test123	You have entered an invalid username or password.	A message box appears to the user stating to the user that the test data used included an incorrect username or password.	PASS
TS_IMS_003	Verify the login functionality of the Login window.	TC_IMS_Login_003	Enter an invalid username and a valid password. Press the "Login" button.	1. Enter an invalid username. 2. Enter in valid password. 3. Click the "Login" button.	1. Test Data 2. Access to IMS software.	username: test1 password: test	You have entered an invalid username or password.	A message box appears to the user stating to the user that the test data used included an incorrect username or password.	PASS
TS_IMS_004	Verify the login functionality of the Login window.	TC_IMS_Login_004	Enter an invalid username and an invalid password. Press the "Login" button.	1. Enter an invalid username. 2. Enter an invalid password. 3. Click the "Login" button.	1. Test Data 2. Access to IMS software.	username: test1 password: test1	You have entered an invalid username or password.	A message box appears to the user stating to the user that the test data used included an incorrect username or password.	PASS
TS_IMS_005	Verify the login functionality of the Login window.	TC_IMS_Login_005	Enter in a username but leave the password input field blank.	1. Enter test characters into username field. 2. Click the "Login" button.	1. Test Data 2. Access to IMS software.	username: test	Login button is grayed out and unable to be clicked on.	The "Login" button is grayed out. And unable to be clicked by the user.	PASS
TS_IMS_006	Verify the login functionality of the Login window.	TC_IMS_Login_006	Leave the username input field blank but enter in a password.	1. Enter test characters into password field. 2. Click the "Login" button.	1. Test Data 2. Access to IMS software.	password: test	Login button is grayed out and unable to be clicked on.	The "Login" button is grayed out. And unable to be clicked by the user.	PASS
TS_IMS_007	Verify the exit functionality of the Login window.	TC_IMS_Login_007	Click the "Exit" button.	1. Click on the "Exit" button.	1. Access to IMS software.	N/A	The application is terminated.	The entire application closes.	PASS

Project Name	Invoice Management System								
Module Name	Reports								
Test Scenario ID	Test Scenario Description	Test Case ID	Test Case Description	Test Steps	Preconditions	Test Data	Post Conditions	Expected Result	Status
TS_IMS_008	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_001	Generate report on the number of invoices based on full-time employment.	1. From the "Type" drop-down list, select "Full-time". 2. Press on the "Generate" button. 3. Review the count total found in the "Invoice Count" input field.	1. One or more employees added to the IMS with their employee type being set to "Full-time". 2. Add one or more invoices to each "Full-time" employee.	Two separate full-time employees, each having one invoice associated with the employee.	Invoice Count should be equal to two.	Invoice Count equals two when two separate full-time employees each have one invoice associated to themselves.	PASS
TS_IMS_009	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_002	Generate report on the number of invoices based on full-time employment.	1. From the "Type" drop-down list, select "Full-time". 2. Press on the "Generate" button. 3. Review the count total found in the "Invoice Count" input field.	1. There must be zero invoices added for full-time employees. (It is okay to have one or more full-time employees created; however, those employees must not have any invoices associated with them.)	One full-time employee with zero invoices associated to it.	Invoice Count should be equal to zero.	Invoice Count equals zero when there are zero invoices associated to a full-time employee.	PASS
TS_IMS_010	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_003	Generate report on the number of invoices based on full-time employment.	1. From the "Type" drop-down list, select "Full-time". 2. Press on the "Generate" button. 3. Review the count total found in the "Invoice Count" input field.	1. There must be zero full-time employees.	N/A	Invoice Count should be equal to zero.	Invoice Count equals zero when there are zero full-time employees added to the IMS.	PASS
TS_IMS_011	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_004	Generate report on the number of invoices based on part-time employment.	1. From the "Type" drop-down list, select "Part-time". 2. Press on the "Generate" button. 3. Review the count total found in the "Invoice Count" input field.	1. One or more employees added to the IMS with their employee type being set to "Part-time". 2. Add one or more invoices to each "Part-time" employee.	Two separate part-time employees, each having one invoice associated with the employee.	Invoice Count should be equal to two.	Invoice Count equals two when two separate part-time employees each have one invoice associated to themselves.	PASS
TS_IMS_012	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_005	Generate report on the number of invoices based on part-time employment.	1. From the "Type" drop-down list, select "Part-time". 2. Press on the "Generate" button. 3. Review the count total found in the "Invoice Count" input field.	1. There must be zero invoices added for part-time employees. (It is okay to have one or more part-time employees created; however, those employees must not have any invoices associated with them.)	One part-time employee with zero invoices associated to it.	Invoice Count should be equal to zero.	Invoice Count equals zero when there are zero invoices associated to a part-time employee.	PASS
TS_IMS_013	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_006	Generate report on the number of invoices based on part-time employment.	1. From the "Type" drop-down list, select "Part-time". 2. Press on the "Generate" button. 3. Review the count total found in the "Invoice Count" input field.	1. There must be zero part-time employees.	N/A	Invoice Count should be equal to zero.	Invoice Count equals zero when there are zero part-time employees added to the IMS.	PASS
TS_IMS_014	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_007	Generate report on the number of invoices based on contract employment.	1. From the "Type" drop-down list, select "Contract". 2. Press on the "Generate" button. 3. Review the count total found in the "Invoice Count" input field.	1. One or more employees added to the IMS with their employee type being set to "Contract". 2. Add one or more invoices to each "Contract" employee.	Two separate contract employees, each having one invoice associated with the employee.	Invoice Count should be equal to two.	Invoice Count equals two when two separate contract employees each have one invoice associated to themselves.	PASS
TS_IMS_015	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_008	Generate report on the number of invoices based on contract employment.	1. From the "Type" drop-down list, select "Contract". 2. Press on the "Generate" button. 3. Review the count total found in the "Invoice Count" input field.	1. There must be zero invoices added for contract employees. (It is okay to have one or more contract employees created; however, those employees must not have any invoices associated with them.)	One contract employee with zero invoices associated to it.	Invoice Count should be equal to zero.	Invoice Count equals zero when there are zero invoices associated to a contract employee.	PASS
TS_IMS_016	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_009	Generate report on the number of invoices based on contract employment.	1. From the "Type" drop-down list, select "Contract". 2. Press on the "Generate" button. 3. Review the count total found in the "Invoice Count" input field.	1. There must be zero contract employees.	N/A	Invoice Count should be equal to zero.	Invoice Count equals zero when there are zero part-time employees added to the IMS.	PASS
TS_IMS_017	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_010	Generate all the invoices created by a specific user.	1. From the "Select User" drop-down menu select the "test" user. 2. Click on the "Generate" button.	1. One or more invoices have been created while having been logged into the "test" user.	Two invoices were added for one full-time employee while being logged into the test user.	Upon clicking the "Generate" button, the data grid view displays information about the two test data invoices.	The data grid view successfully displays two rows of data in regards to the two test data invoices.	PASS
TS_IMS_018	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_011	Generate all the invoices created by a specific user.	1. From the "Select User" drop-down menu select the "test" user. 2. Click on the "Generate" button.	1. There are currently no invoices in the IMS. All invoices have been deleted.	N/A	Upon clicking the "Generate" button, the data grid view displays no new information.	After clicking the "Generate" button, no new data is shown in the data grid view since there are no invoices that the "test" user has created.	PASS
TS_IMS_019	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_012	Generating the number of invoices a specific employee has.	1. From the "Select Employee" drop-down menu select the "test" employee. 2. Click on the "Generate" button.	1. A full-time employee with the name, "test" has been created. 2. This employee named, "test", has two invoices associated with it.	1. One full-time employee named, "test". 2. Two separate invoices associated with this "test" employee.	Upon clicking the "Generate" button, the invoice count for this "test" employee should equal two.	After selecting "test", under the "Select Employee" dropdown, the invoice count for this "test" button... the invoice count is equal to two.	PASS
TS_IMS_020	Verify the functionality of generating reports in the Reports window.	TC_IMS_Reports_013	Generating the number of invoices a specific employee has.	1. From the "Select Employee" drop-down menu select the "test" employee. 2. Click on the "Generate" button.	1. A full-time employee with the name, "test" has been created. 2. This employee named, "test", has zero invoices associated with it.	1. One full-time employee named, "test". 2. Zero invoices associated with this "test" employee.	Upon clicking the "Generate" button, the invoice count for this "test" employee should equal zero.	After selecting "test", under the "Select Employee" dropdown, and then clicking the "Generate" button... the invoice count is equal to zero.	PASS

Project Name	Invoice Management System								
Module Name	Invoice								
Test Scenario ID	Test Scenario Description	Test Case ID	Test Case Description	Test Steps	Preconditions	Test Data	Post Conditions	Expected Result	Status

TS_IMS_021	Verify the functionality of adding invoices.	TC_IMS_Invoice_001	All required fields must be filled out. Otherwise, the "Create Invoice" button is disabled.	1. Fill out the input fields based on the test data. 2. Press on "Create Invoice".	1. An employee named, "test", has already been created.	1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test". 3. Select today's date as the due date. 4. Type in 1000 for the amount due. 5. Type in 40 for the hours worked. 6. Type in 25 for the price per hour.	An invoice with a description of "test", has been created for the employee named, "test" based on the test data.	In invoice based on the test data was created for the employee named, test.	PASS
TS_IMS_022	Verify the functionality of adding invoices.	TC_IMS_Invoice_002	All required fields must be filled out. Otherwise, the "Create Invoice" button is disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	1. A full-time employee named, "test", must have been created. 2. Leave the invoice description input field empty. 3. Select today's date as the due date. 4. Type in 1000 for the amount due. 5. Type in 40 for the hours worked. 6. Type in 25 for the price per hour.	The "Create Invoice" button should be disabled because not every input field was filled out.	The "Create Invoice" button should be disabled because not every input field was filled out.	PASS
TS_IMS_023	Verify the functionality of adding invoices.	TC_IMS_Invoice_003	All required fields must be filled out. Otherwise, the "Create Invoice" button is disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test". 3. Select today's date as the due date. 4. Leave the amount due input field empty. 5. Type in 40 for the hours worked. 6. Type in 25 for the price per hour.	The "Create Invoice" button should be disabled because not every input field was filled out.	The "Create Invoice" button should be disabled because not every input field was filled out.	PASS
TS_IMS_024	Verify the functionality of adding invoices.	TC_IMS_Invoice_004	All required fields must be filled out. Otherwise, the "Create Invoice" button is disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test". 3. Select today's date as the due date. 4. Type in 1000 for the amount due. 5. Leave the the hours worked input field blank. 6. Type in 25 for the price per hour.	The "Create Invoice" button should be disabled because not every input field was filled out.	The "Create Invoice" button should be disabled because not every input field was filled out.	PASS
TS_IMS_025	Verify the functionality of adding invoices.	TC_IMS_Invoice_005	All required fields must be filled out. Otherwise, the "Create Invoice" button is disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test". 3. Select today's date as the due date. 4. Type in 1000 for the amount due. 5. Type in 40 hours for the hours worked. 6. Leave the price per hour input field blank.	The "Create Invoice" button should be disabled because not every input field was filled out.	The "Create Invoice" button should be disabled because not every input field was filled out.	PASS
TS_IMS_026	Verify the functionality of adding invoices.	TC_IMS_Invoice_006	If the price per hour, amount due, or the amount due are not valid numbers then the "Create Invoice" button should be disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test". 3. Select today's date as the due date. 4. Type in 1000 for the amount due. 5. Type in 40 hours for the hours worked. 6. Type in 25 for the price per hour.	An invoice with a description of "test", has been created for the employee named, "test" based on the test data.	In invoice based on the test data was created for the employee named, test.	PASS
TS_IMS_027	Verify the functionality of adding invoices.	TC_IMS_Invoice_007	If the price per hour, amount due, or the amount due are not valid numbers then the "Create Invoice" button should be disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test". 3. Select today's date as the due date. 4. Type in "test" for the amount due. 5. Type in 40 hours for the hours worked. 6. Type in 25 for the price per hour.	The "Create Invoice" button should be disabled because the amount due contains text and not valid numbers.	The "Create Invoice" button should be disabled because the amount due text field contains invalid characters.	PASS
TS_IMS_028	Verify the functionality of adding invoices.	TC_IMS_Invoice_008	If the price per hour, amount due, or the amount due are not valid numbers then the "Create Invoice" button should be disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test". 3. Select today's date as the due date. 4. Type in 1000 for the amount due. 5. Type in "test" for the hours worked. 6. Type in 25 for the price per hour.	The "Create Invoice" button should be disabled because the hours worked contains text and not valid numbers.	The "Create Invoice" button should be disabled because the hours worked field contains invalid characters.	PASS
TS_IMS_029	Verify the functionality of adding invoices.	TC_IMS_Invoice_009	If the price per hour, amount due, or the amount due are not valid numbers then the "Create Invoice" button should be disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test". 3. Select today's date as the due date. 4. Type in 1000 for the amount due. 5. Type in 40 hours for the hours worked. 6. Type in "test" for the price per hour.	The "Create Invoice" button should be disabled because the price per hour contains text and not valid numbers.	The "Create Invoice" button should be disabled because the price per hour field contains invalid characters.	PASS

TS_IMS_030	Verify the functionality of adding invoices.	TC_IMS_Invoice_010	If the price per hour, amount due, or the amount due are negative then the "Create Invoice" button should be disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	"1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test" 3. Select today's date as the due date. 4. Type in -1 for the amount due. 5. Type in 40 hours for the hours worked. 6. Type in 25 for the price per hour.	Amount Due, Hours Worked, Price Per Hour can not be negative.	A message box appears to the user stating to the user that the "Amount Due", "Hours Worked", "Price Per Hour" can not be negative.	PASS
TS_IMS_031	Verify the functionality of adding invoices.	TC_IMS_Invoice_011	If the price per hour, amount due, or the amount due are negative then the "Create Invoice" button should be disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	"1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test" 3. Select today's date as the due date. 4. Type in 1000 for the amount due. 5. Type in -1 hours for the hours worked. 6. Type in 25 for the price per hour.	Amount Due, Hours Worked, Price Per Hour can not be negative.	A message box appears to the user stating to the user that the "Amount Due", "Hours Worked", "Price Per Hour" can not be negative.	PASS
TS_IMS_032	Verify the functionality of adding invoices.	TC_IMS_Invoice_012	If the price per hour, amount due, or the amount due are negative then the "Create Invoice" button should be disabled.	1. Fill out the input fields based on the test data. 2. Attempt to click on "Create Invoice".	1. An employee named, "test", has already been created.	"1. A full-time employee named, "test", must have been created. 2. Give the invoice a description of "test" 3. Select today's date as the due date. 4. Type in 1000 for the amount due. 5. Type in 40 hours for the hours worked. 6. Type in -1 for the price per hour.	Amount Due, Hours Worked, Price Per Hour can not be negative.	A message box appears to the user stating to the user that the "Amount Due", "Hours Worked", "Price Per Hour" can not be negative.	PASS
TS_IMS_033	Verify the exit functionality of the Invoice window.	TC_IMS_Invoice_013	Click the "Exit" button.	1. Click on the "Exit" button.	1. Access to IMS software.	N/A	The Invoice window is closed and you are taken to the Dashboard.	The user is taken back to the dashboard after clicking on the "Exit" button.	PASS