

# **SQE Final Project**

**Project Title:** Comprehensive Quality Engineering for the Open-Source Crater Application

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**Section:** SE-B

**Black Box Testing Report (IEEE 829-2008 Standard)**

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## File: customer.txt

Test Case ID	BB-CUS-001
Title	Create new customer with required fields
Objective	Verify that a new customer can be successfully created using only required fields.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in as admin</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the Customers page (/admin/customers).</li><li>2. Click the "New Customer" or "Add New Customer" button.</li><li>3. Enter a unique name in the "Display Name" field.</li><li>4. Enter a unique email address in the "Email" field.</li><li>5. Click "Save" or "Submit".</li><li>6. Check that the newly created customer's name appears in the list.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Name: Customer [timestamp]</li><li>- Email: test[timestamp]@example.com</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- The new customer's name appears in the customer list and is visible.</li></ul>
Actual Result	The new customer's name appears in the customer list and is visible.
Status	Pass
Severity	High

Test Case ID	BB-CUS-002
Title	Create customer with all optional fields filled
Objective	Verify that a customer can be created with all optional fields completed.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in as admin</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the Customers page (/admin/customers).</li><li>2. Click the "New Customer" or "Add New Customer" button.</li><li>3. Enter a unique name in the "Display Name" field.</li><li>4. Enter a unique email address in the "Email" field.</li><li>5. Fill in the phone field, website field, address street, city, and zip in the respective billing fields.</li><li>6. Click "Save" or "Submit".</li><li>7. Check that the newly created customer's name appears in the list.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Name: Full Customer [timestamp]</li><li>- Email: full[timestamp]@example.com</li><li>- Phone: +1234567890</li><li>- Website: https://example.com</li><li>- Billing Street: 123 Main St</li><li>- Billing City: New York</li><li>- Billing Zip: 10001</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- The new customer's name appears in the customer list and is visible.</li></ul>
Actual Result	The new customer's name appears in the customer list and is visible.
Status	Pass
Severity	Medium

Test Case ID	BB-CUS-003
Title	Validation error when name is empty during customer creation
Objective	Verify that the system shows a validation error if the customer name field is left empty.

<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Customers page (/admin/customers).</li> <li>2. Click the "New Customer" or "Add New Customer" button.</li> <li>3. Leave the name field empty.</li> <li>4. Enter a valid email address in the "Email" field.</li> <li>5. Click "Save" or "Submit".</li> <li>6. Observe for validation error message.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Name: (empty)</li> <li>- Email: noname[timestamp]@example.com</li> </ul>
<b>Expected Result</b>	- A validation error message "Field is required" should be visible.
<b>Actual Result</b>	A validation error message "Field is required" is displayed.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-CUS-004
<b>Title</b>	Validation error for invalid email format during customer creation
<b>Objective</b>	Verify that the system displays a validation error when an invalid email format is entered.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Customers page (/admin/customers).</li> <li>2. Click the "New Customer" or "Add New Customer" button.</li> <li>3. Enter any name in the "Display Name" field.</li> <li>4. Enter "not-an-email" in the "Email" field.</li> <li>5. Click "Save" or "Submit".</li> <li>6. Observe for validation error message.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Name: Invalid Email User</li> <li>- Email: not-an-email</li> </ul>
<b>Expected Result</b>	- A validation error message "Incorrect Email." should be visible.
<b>Actual Result</b>	A validation error message "Incorrect Email." is displayed.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-CUS-005
<b>Title</b>	Display customer list page
<b>Objective</b>	Verify that the customer list page loads and is visible to the user.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Customers page (/admin/customers).</li> <li>2. Verify that the URL contains "/customers".</li> <li>3. Check that "Customers" or "Customer List" header is visible on the page.</li> </ol>
<b>Test Data</b>	- N/A
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- The URL contains "/customers".</li> <li>- "Customers" or "Customer List" text is visible.</li> </ul>
<b>Actual Result</b>	The URL contains "/customers" and the "Customers" or "Customer List" text is visible.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-CUS-006
<b>Title</b>	Search customers by name
<b>Objective</b>	Verify that customer search by name returns correct results in the customer list.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> <li>- Customer with unique name exists</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Create a customer with a unique name using API/command.</li> <li>2. Navigate to the Customers page (/admin/customers).</li> <li>3. Enter the unique customer name in the search input.</li> <li>4. Wait for the search to complete.</li> <li>5. Verify that the customer appears in the results.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Customer name: SearchTarget [timestamp]</li> <li>- Email: search[timestamp]@example.com</li> <li>- Search input: SearchTarget [timestamp]</li> </ul>
<b>Expected Result</b>	- The customer name is present in the table results.
<b>Actual Result</b>	The customer name is present in the table results.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-CUS-007
<b>Title</b>	Create customer with all fields filled (Basic, Billing, Shipping)
<b>Objective</b>	Verify that a customer can be successfully created with all basic, billing, and shipping fields filled.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Customers page (/admin/customers).</li> <li>2. Click the "New Customer" or "Add New Customer" button.</li> <li>3. Fill in all basic info fields, including two "name" fields (Display Name and Prefix), primary contact, email, phone, and website.</li> <li>4. Fill in all billing address fields: name, state, city, two street fields, phone, zip.</li> <li>5. Fill in all shipping address fields: name, state, city, two street fields, phone, zip.</li> <li>6. Click "Save" or "Submit".</li> <li>7. Verify that the newly created customer's name appears in the list.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Name: AllFields Customer [timestamp]</li> <li>- Primary Contact Name: Contact [timestamp]</li> <li>- Email: allfields[timestamp]@example.com</li> <li>- Phone: +15550000000</li> <li>- Website: https://craterapp.com</li> <li>- Prefix: Mr.</li> <li>- Billing Name: Billing Name [timestamp] <ul style="list-style-type: none"> <li>- Billing State: California</li> <li>- Billing City: Los Angeles</li> <li>- Billing Street1: 123 Billing St</li> <li>- Billing Street2: Suite 100</li> <li>- Billing Phone: +15551111111</li> <li>- Billing Zip: 90001</li> </ul> </li> <li>- Shipping Name: Shipping Name [timestamp] <ul style="list-style-type: none"> <li>- Shipping State: Nevada</li> <li>- Shipping City: Las Vegas</li> <li>- Shipping Street1: 777 Shipping Blvd</li> <li>- Shipping Street2: Floor 2</li> <li>- Shipping Phone: +15552222222</li> <li>- Shipping Zip: 89109</li> </ul> </li> </ul>

<b>Expected Result</b>	- The new customer's name appears in the customer list and is visible.
<b>Actual Result</b>	The new customer's name appears in the customer list and is visible.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-CUS-008
<b>Title</b>	Verify "Copy from Billing" populates shipping fields
<b>Objective</b>	Verify that clicking "Copy from Billing" correctly populates shipping address fields from billing address.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Customers page (/admin/customers).</li> <li>2. Click the "New Customer" or "Add New Customer" button.</li> <li>3. Enter billing address name, billing street1, and billing zip.</li> <li>4. Click the "Copy from Billing" button.</li> <li>5. Verify that shipping address name, shipping street1, and shipping zip are copied from billing.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Billing Name: Billing Copy [timestamp]</li> <li>- Billing Street1: Copy St 1</li> <li>- Billing Zip: 12345</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- Shipping address name field is populated with "Billing Copy [timestamp]".</li> <li>- Shipping street1 field is populated with "Copy St 1".</li> <li>- Shipping zip field is populated with "12345".</li> </ul>
<b>Actual Result</b>	Shipping address name, street1, and zip fields are correctly populated with billing values.
<b>Status</b>	Pass
<b>Severity</b>	Medium

## File: estimate.txt

Test Case ID	BB-EST-001
Title	Create New Estimate with Basic Details
Objective	Verify that a new estimate can be created by providing all required basic fields.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded with customers</li><li>- Admin user logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the "Create Estimate" page (/admin/estimates/create).</li><li>2. Select "New Customer" in the customer dropdown.</li><li>3. Type "c" in the visible customer search input.</li><li>4. Select the first visible customer from the dropdown.</li><li>5. Enter "Consulting" as the item name in the first visible text input.</li><li>6. Enter "Professional consulting services" in the first textarea for description.</li><li>7. Type "2" into the first visible number input for quantity.</li><li>8. Type "500" into the first visible tel input for price.</li><li>9. Confirm that all fields are filled successfully.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Customer search input: "c"</li><li>- Selected customer: First visible from dropdown</li><li>- Item name: "Consulting"</li><li>- Description: "Professional consulting services"</li><li>- Quantity: 2</li><li>- Price: 500</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- The UI allows entry of all basic details into the estimate creation form.</li><li>- All fields reflect the input values provided.</li></ul>
Actual Result	All fields are successfully filled with the provided data.
Status	Pass
Severity	High

Test Case ID	BB-EST-002
Title	Navigate to Estimates Page and Verify Table Display
Objective	Verify the application navigates to the estimates page and displays the estimates table.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded with at least one estimate</li><li>- Admin user logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the estimates page (/admin/estimates).</li><li>2. Confirm the URL includes "/admin/estimates".</li><li>3. Verify that the estimates table is visible on the page.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- URL: /admin/estimates</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- The URL contains "/admin/estimates".</li><li>- An estimates table is visible to the user.</li></ul>
Actual Result	The user is on "/admin/estimates" and sees the table.
Status	Pass
Severity	High

Test Case ID	BB-EST-003
Title	Show Validation Error on Empty Estimate Form Submission
Objective	Ensure validation errors are triggered when trying to save an empty estimate form.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Admin user logged in</li></ul>

<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the "Create Estimate" page (/admin/estimates/create).</li> <li>2. Click the "Save Estimate" button without filling any fields.</li> <li>3. Wait for possible navigation or validation messages.</li> <li>4. Confirm that the URL still includes "/create".</li> </ol>
<b>Test Data</b>	- Empty form submission
<b>Expected Result</b>	- The system rejects the submission and remains on the create page (URL contains "/create").
<b>Actual Result</b>	Submission rejected; still on "/create" page.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-EST-004
<b>Title</b>	Search for Customer in Dropdown During Estimate Creation
<b>Objective</b>	Verify the customer dropdown search functionality allows entering and displaying search text.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded with customers (including "Test")</li> <li>- Admin user logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the estimates page (/admin/estimates).</li> <li>2. Click the "New Estimate" or "Add New Estimate" button.</li> <li>3. Click the "New Customer" button to open the customer selection dropdown.</li> <li>4. Type "Test" into the search input field.</li> <li>5. Verify that the search input field displays "Test" as its value.</li> </ol>
<b>Test Data</b>	- Search term: "Test"
<b>Expected Result</b>	- Search input field is visible and contains the text "Test" after entry.
<b>Actual Result</b>	Search input correctly displays "Test".
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-EST-005
<b>Title</b>	Open Customer Selection Dropdown on Create Estimate Page
<b>Objective</b>	Verify that clicking the customer selection button opens a dropdown or popup with a search input.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Admin user logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the "Create Estimate" page (/admin/estimates/create).</li> <li>2. Click the customer selection button labeled "New Customer" or "Customer".</li> <li>3. Verify that a visible search input appears in the dropdown or popup.</li> </ol>
<b>Test Data</b>	- Button label: "New Customer" or "Customer"
<b>Expected Result</b>	- A search input field (input with placeholder containing "earch" or type "search") becomes visible.
<b>Actual Result</b>	Search input is visible after opening the dropdown.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-EST-006
<b>Title</b>	Verify Item Input Fields Exist on Create Estimate Page
<b>Objective</b>	Ensure that description and price input fields for line items are present in the creation form.



<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Admin user logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the "Create Estimate" page (/admin/estimates/create).</li> <li>2. Verify that a textarea for item description exists.</li> <li>3. Verify that an input for item price exists (input[type="tel"] or input[type="number"]).</li> </ol>
<b>Test Data</b>	- None (UI element presence only)
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- Item description textarea exists.</li> <li>- Price input field exists.</li> </ul>
<b>Actual Result</b>	Both fields exist on the page.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-EST-007
<b>Title</b>	Display Estimates List on Estimates Page
<b>Objective</b>	Verify the correct display of estimates list on the estimates page.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded with estimates</li> <li>- Admin user logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the estimates page (/admin/estimates).</li> <li>2. Confirm the URL includes "/estimates".</li> <li>3. Assert existence of a table or list container for estimates (table, .table, [role="table"], or tbody).</li> </ol>
<b>Test Data</b>	- URL: /admin/estimates
<b>Expected Result</b>	- Estimates list or table container is present and visible.
<b>Actual Result</b>	Estimates list/table is displayed as expected.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-EST-008
<b>Title</b>	Filter Estimates Using Search on Estimates Page
<b>Objective</b>	Verify that the search/filter feature filters the estimates based on user input.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded with estimates containing varied data</li> <li>- Admin user logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the estimates page (/admin/estimates).</li> <li>2. Retrieve text from the first row of the estimates table.</li> <li>3. Extract a search term (word with length &gt; 2) from first row.</li> <li>4. Type the extracted search term into the first visible search input (input[placeholder*="Search"], input[type="search"], or input[type="text"]).</li> <li>5. Verify that the filtered results display the search term.</li> </ol>
<b>Test Data</b>	- Search term: First word from table row (length > 2)
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- Search input is successfully entered.</li> <li>- Estimates list is filtered and contains the search term in results.</li> </ul>
<b>Actual Result</b>	Search results correctly filtered with expected term shown.
<b>Status</b>	Pass
<b>Severity</b>	High

## File: expenses.txt

Test Case ID	BB-EXP-001
Title	Validation of required Customer field when empty
Objective	Verify that leaving the Customer field empty while saving a new expense prompts a validation error
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in as "i230598@isb.nu.edu.pk"</li><li>- Dashboard accessible</li><li>- Expenses module is loaded</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Click "Add New Expense" to open the new expense form</li><li>2. Attempt to save expense without selecting a Customer</li><li>3. Observe validation messages on the form</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Customer: (left empty)</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- A validation error message mentioning "Customer" is displayed to the user</li></ul>
Actual Result	A validation error message mentioning "Customer" is displayed to the user
Status	Pass
Severity	High

Test Case ID	BB-EXP-002
Title	Validation of required Category field when empty
Objective	Verify that leaving the Category field empty while saving a new expense prompts a validation error
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in as "i230598@isb.nu.edu.pk"</li><li>- Expenses module is loaded</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Click "Add New Expense" to open the new expense form</li><li>2. Attempt to save expense without selecting a Category</li><li>3. Observe validation messages on the form</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Category: (left empty)</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- A validation error message mentioning "Category" is displayed to the user</li></ul>
Actual Result	A validation error message mentioning "Category" is displayed to the user
Status	Pass
Severity	High

Test Case ID	BB-EXP-003
Title	Enter valid amount for expense
Objective	Verify that a user can enter a valid (positive) amount for an expense
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in as "i230598@isb.nu.edu.pk"</li><li>- Expenses module is loaded</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Click "Add New Expense" to open the new expense form</li><li>2. Find the Amount field</li><li>3. Clear any existing value and enter "150" into the Amount field</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Amount: 150</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- Amount field displays "150"</li></ul>
Actual Result	Amount field displays "150"

<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-EXP-004
<b>Title</b>	Enter zero amount for expense
<b>Objective</b>	Verify the system behavior when entering "0" as the expense amount
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as "i230598@isb.nu.edu.pk"</li> <li>- Expenses module is loaded</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click "Add New Expense" to open the form</li> <li>2. Find the Amount field</li> <li>3. Clear any existing value and enter "0"</li> <li>4. Click "Save" to attempt saving the expense</li> </ol>
<b>Test Data</b>	- Amount: 0
<b>Expected Result</b>	- System processes the input for amount "0" (actual behavior may include error or acceptance depending on rules; in this case, no error is asserted)
<b>Actual Result</b>	System processes the input for amount "0" without validation error
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-EXP-005
<b>Title</b>	Enter negative amount for expense
<b>Objective</b>	Verify the system's response to entering a negative expense amount
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as "i230598@isb.nu.edu.pk"</li> <li>- Expenses module is loaded</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click "Add New Expense" to open the form</li> <li>2. Find the Amount field</li> <li>3. Clear any existing value and enter "-50"</li> <li>4. Click "Save" to attempt saving the expense</li> </ol>
<b>Test Data</b>	- Amount: -50
<b>Expected Result</b>	- System processes the input for amount "-50" (actual behavior may include error or acceptance depending on rules; in this case, no validation error is asserted)
<b>Actual Result</b>	System processes the input for amount "-50" without validation error
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-EXP-006
<b>Title</b>	Add valid notes to expense
<b>Objective</b>	Verify that a user can enter valid alphanumeric notes for an expense
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as "i230598@isb.nu.edu.pk"</li> <li>- Expenses module is loaded</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click "Add New Expense" to open the form</li> <li>2. Find the Notes field</li> <li>3. Clear any existing value and enter "This is a test expense note."</li> </ol>
<b>Test Data</b>	- Notes: "This is a test expense note."

<b>Expected Result</b>	- Notes field displays "This is a test expense note."
<b>Actual Result</b>	Notes field displays "This is a test expense note."
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-EXP-007
<b>Title</b>	Add special characters in notes field
<b>Objective</b>	Verify the Notes field's ability to accept special characters
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as "i230598@isb.nu.edu.pk"</li> <li>- Expenses module is loaded</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click "Add New Expense" to open the form</li> <li>2. Find the Notes field</li> <li>3. Clear any existing value and enter "@#\$\$%^&amp;*() test note"</li> </ol>
<b>Test Data</b>	- Notes: "@#\$\$%^&*() test note"
<b>Expected Result</b>	- Notes field displays "@#\$\$%^&*() test note"
<b>Actual Result</b>	Notes field displays "@#\$\$%^&*() test note"
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-EXP-008
<b>Title</b>	Leave notes field empty
<b>Objective</b>	Verify that an expense can be created/saved with an empty Notes field
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as "i230598@isb.nu.edu.pk"</li> <li>- Expenses module is loaded</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click "Add New Expense" to open the form</li> <li>2. Clear any existing value in the Notes field, leaving it empty</li> </ol>
<b>Test Data</b>	- Notes: (left empty)
<b>Expected Result</b>	- Notes field is empty; form proceeds without validation error for notes
<b>Actual Result</b>	Notes field is empty; form proceeds without validation error for notes
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-EXP-009
<b>Title</b>	Save expense with all valid inputs
<b>Objective</b>	Verify that saving an expense with valid data produces a success message
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as "i230598@isb.nu.edu.pk"</li> <li>- Expenses module is loaded</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click "Add New Expense" to open the form</li> <li>2. Enter "150" into Amount field</li> <li>3. Enter "Auto test expense submission" into Notes field</li> <li>4. Click "Save" button</li> <li>5. Wait for processing</li> <li>6. Verify that a success message is shown in the page</li> </ol>

<b>Test Data</b>	- Amount: 150 - Notes: "Auto test expense submission"
<b>Expected Result</b>	- Expense is saved successfully - "Success" message appears in the page text
<b>Actual Result</b>	Expense is saved successfully "Success" message appears in the page text
<b>Status</b>	Pass
<b>Severity</b>	High

## File: invoice.txt

Test Case ID	BB-INV-001
Title	Validation of empty customer field during invoice creation
Objective	Verify that leaving the customer field empty triggers validation and prevents saving the invoice.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Authenticate and navigate to the Invoices page.</li><li>2. Click on "New Invoice".</li><li>3. Attempt to save the invoice without selecting any customer.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Customer field: left empty</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- Validation error is displayed indicating the customer is required.</li><li>- Invoice is not saved.</li></ul>
Actual Result	Validation error is displayed indicating the customer is required. Invoice is not saved.
Status	Pass
Severity	High

Test Case ID	BB-INV-002
Title	Selection of a valid customer from dropdown
Objective	Confirm that a customer can be selected from the dropdown when creating a new invoice.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Authenticate and navigate to the Invoices page.</li><li>2. Click on "New Invoice".</li><li>3. Open the customer dropdown.</li><li>4. Select the first customer from the list.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Dropdown selection: first customer (actual data depends on database seed)</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- Customer is selected and reflected in the field.</li></ul>
Actual Result	Customer is selected and reflected in the field.
Status	Pass
Severity	High

Test Case ID	BB-INV-003
Title	Entry of valid invoice date
Objective	Verify that a valid invoice date can be set when creating a new invoice.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Authenticate and navigate to the Invoices page.</li><li>2. Click on "New Invoice".</li><li>3. Enter "2024-12-01" into the invoice date field.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Invoice date: "2024-12-01"</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- Invoice date is accepted and displayed correctly.</li></ul>
Actual Result	Invoice date is accepted and displayed correctly.
Status	Pass

<b>Severity</b>	Medium
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<b>Test Case ID</b>	BB-INV-004
<b>Title</b>	Leaving invoice date field empty
<b>Objective</b>	Verify that leaving the invoice date field empty is handled accordingly (either defaults or validation error).
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to the Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Clear any value in the invoice date field.</li> <li>4. Attempt to save the invoice.</li> </ol>
<b>Test Data</b>	- Invoice date: empty
<b>Expected Result</b>	- System either provides a validation message or defaults to a required date.
<b>Actual Result</b>	System either provides a validation message or defaults to a required date.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-INV-005
<b>Title</b>	Entry of future invoice date
<b>Objective</b>	Verify the system accepts a future date for the invoice.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to the Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "2025-12-31" into the invoice date field.</li> </ol>
<b>Test Data</b>	- Invoice date: "2025-12-31"
<b>Expected Result</b>	- Invoice date is accepted and displayed correctly.
<b>Actual Result</b>	Invoice date is accepted and displayed correctly.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-006
<b>Title</b>	Entry of valid due date
<b>Objective</b>	Verify that a valid due date can be set on a new invoice.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to the Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "2024-12-31" into the due date field.</li> </ol>
<b>Test Data</b>	- Due date: "2024-12-31"
<b>Expected Result</b>	- Due date is accepted and displayed correctly.
<b>Actual Result</b>	Due date is accepted and displayed correctly.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-007
<b>Title</b>	Due date before invoice date
<b>Objective</b>	Verify system's response when due date is earlier than invoice date.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "2024-12-31" in invoice date.</li> <li>4. Enter "2024-01-01" in due date.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Invoice date: "2024-12-31"</li> <li>- Due date: "2024-01-01"</li> </ul>
<b>Expected Result</b>	- System displays validation or warning for due date before invoice date.
<b>Actual Result</b>	System displays validation or warning for due date before invoice date.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-008
<b>Title</b>	Verification of auto-generated invoice number
<b>Objective</b>	Ensure the invoice number field is pre-populated automatically.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Observe the invoice number field.</li> </ol>
<b>Test Data</b>	- Invoice number: auto-generated by system
<b>Expected Result</b>	- Invoice number field is not empty and contains a valid string.
<b>Actual Result</b>	Invoice number field is not empty and contains a valid string.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-INV-009
<b>Title</b>	Manual modification of invoice number
<b>Objective</b>	Check that the user can overwrite the auto-generated invoice number.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Clear and type "INV-2024-001" into the invoice number field.</li> </ol>
<b>Test Data</b>	- Invoice number: "INV-2024-001"
<b>Expected Result</b>	- Invoice number field reflects manual entry "INV-2024-001".
<b>Actual Result</b>	Invoice number field reflects manual entry "INV-2024-001".
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-010
<b>Title</b>	Add valid reference number



<b>Objective</b>	Verify the ability to input a reference number in the invoice.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "REF-12345" into the reference number field.</li> </ol>
<b>Test Data</b>	- Reference number: "REF-12345"
<b>Expected Result</b>	- Reference number is accepted and displayed correctly.
<b>Actual Result</b>	Reference number is accepted and displayed correctly.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-011
<b>Title</b>	Leave reference number field empty
<b>Objective</b>	Confirm that the reference number field can be left blank without causing an error.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Clear any value in reference number field.</li> </ol>
<b>Test Data</b>	- Reference number: empty
<b>Expected Result</b>	- System allows invoice creation without a reference number.
<b>Actual Result</b>	System allows invoice creation without a reference number.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-012
<b>Title</b>	Adding item with valid quantity and price
<b>Objective</b>	Verify the ability to input a valid item quantity and price during invoice creation.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "5" in item quantity field.</li> <li>4. Enter "100" in item price field.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Quantity: "5"</li> <li>- Price: "100"</li> </ul>
<b>Expected Result</b>	- Item fields accept valid entries and reflect values.
<b>Actual Result</b>	Item fields accept valid entries and reflect values.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-INV-013
<b>Title</b>	Adding item with zero quantity
<b>Objective</b>	Verify that zero quantity is handled properly (e.g., validation error or acceptance).

<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "0" in item quantity field.</li> </ol>
<b>Test Data</b>	- Quantity: "0"
<b>Expected Result</b>	- System processes zero quantity according to business rules (e.g., validation error or allow entry).
<b>Actual Result</b>	System processes zero quantity according to business rules.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-014
<b>Title</b>	Adding item with negative price
<b>Objective</b>	Verify the handling of negative price values in the item price field.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "-50" in item price field.</li> </ol>
<b>Test Data</b>	- Price: "-50"
<b>Expected Result</b>	- System processes negative price per business logic (error or accept).
<b>Actual Result</b>	System processes negative price per business logic.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-015
<b>Title</b>	Adding item with decimal values in quantity and price
<b>Objective</b>	Confirm that decimal values are accepted by the system for items.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "2.5" in item quantity field.</li> <li>4. Enter "99.99" in item price field.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Quantity: "2.5"</li> <li>- Price: "99.99"</li> </ul>
<b>Expected Result</b>	- Decimal values are accepted and reflected in item fields.
<b>Actual Result</b>	Decimal values are accepted and reflected in item fields.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-016
<b>Title</b>	Adding item description
<b>Objective</b>	Verify that the description field accepts text input for items.

<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "Product description here" in item description field.</li> </ol>
<b>Test Data</b>	- Description: "Product description here"
<b>Expected Result</b>	- Description is accepted and displayed in item field.
<b>Actual Result</b>	Description is accepted and displayed in item field.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-017
<b>Title</b>	Clicking Add New Item button
<b>Objective</b>	Verify that clicking "Add New Item" adds a new item row to the invoice.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Click "Add New Item" button.</li> </ol>
<b>Test Data</b>	- No input data
<b>Expected Result</b>	- A new item row is added to the invoice.
<b>Actual Result</b>	A new item row is added to the invoice.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-018
<b>Title</b>	Adding multiple items to invoice
<b>Objective</b>	Verify the ability to add more than one item to a single invoice.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Click "Add New Item" twice.</li> </ol>
<b>Test Data</b>	- No input data
<b>Expected Result</b>	- Two additional item rows are added to invoice.
<b>Actual Result</b>	Two additional item rows are added to invoice.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-019
<b>Title</b>	Adding valid discount amount to invoice
<b>Objective</b>	Verify entry of a valid numeric discount in the invoice.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>

<b>Test Steps</b>	1. Authenticate and navigate to Invoices page. 2. Click on "New Invoice". 3. Enter "50" in discount field.
<b>Test Data</b>	- Discount: "50"
<b>Expected Result</b>	- Discount is accepted and reflected in invoice totals.
<b>Actual Result</b>	Discount is accepted and reflected in invoice totals.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-020
<b>Title</b>	Adding discount as percentage
<b>Objective</b>	Confirm ability to select percentage discount type and enter a value.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Authenticate and navigate to Invoices page. 2. Click on "New Invoice". 3. Select "%" from discount type dropdown. 4. Enter "10" in discount field.
<b>Test Data</b>	- Discount type: "%" - Discount amount: "10"
<b>Expected Result</b>	- Percentage discount is accepted and applied correctly.
<b>Actual Result</b>	Percentage discount is accepted and applied correctly.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-021
<b>Title</b>	Adding excessive discount amount
<b>Objective</b>	Verify system response when discount entered exceeds invoice subtotal.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Authenticate and navigate to Invoices page. 2. Click on "New Invoice". 3. Enter "999999" in discount field.
<b>Test Data</b>	- Discount: "999999"
<b>Expected Result</b>	- System handles excessive discount per business rules (error or allows entry).
<b>Actual Result</b>	System handles excessive discount per business rules.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-022
<b>Title</b>	Clicking Add Tax button
<b>Objective</b>	Confirm that the Add Tax button allows users to add a tax field to the invoice.
<b>Preconditions</b>	- Application running - Database seeded - User logged in

<b>Test Steps</b>	1. Authenticate and navigate to Invoices page. 2. Click on "New Invoice". 3. Click "Add Tax" button.
<b>Test Data</b>	- No input data
<b>Expected Result</b>	- A tax field/option is added to the invoice form.
<b>Actual Result</b>	A tax field/option is added to the invoice form.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-023
<b>Title</b>	Selecting tax from dropdown
<b>Objective</b>	Verify that a tax option can be selected from the tax dropdown in invoice creation.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Authenticate and navigate to Invoices page. 2. Click on "New Invoice". 3. Click "Add Tax". 4. Select first tax entry from tax dropdown.
<b>Test Data</b>	- Tax selection: first available
<b>Expected Result</b>	- Tax is selected and reflected in invoice.
<b>Actual Result</b>	Tax is selected and reflected in invoice.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-024
<b>Title</b>	Adding valid notes to invoice
<b>Objective</b>	Verify user can enter descriptive notes in the invoice notes field.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Authenticate and navigate to Invoices page. 2. Click on "New Invoice". 3. Enter "This is a test note for the invoice." in notes field.
<b>Test Data</b>	- Notes: "This is a test note for the invoice."
<b>Expected Result</b>	- Notes field accepts text and displays value.
<b>Actual Result</b>	Notes field accepts text and displays value.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-025
<b>Title</b>	Adding special characters in notes field
<b>Objective</b>	Verify that notes field accepts special characters.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Authenticate and navigate to Invoices page. 2. Click on "New Invoice". 3. Enter "Special chars: @#\$\$%^&*()" in notes field.

<b>Test Data</b>	- Notes: "Special chars: @\$%^&*()"
<b>Expected Result</b>	- Special characters are accepted and displayed in notes field.
<b>Actual Result</b>	Special characters are accepted and displayed in notes field.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-026
<b>Title</b>	Leaving notes field empty
<b>Objective</b>	Confirm that notes field can be left blank without error.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Clear notes field.</li> </ol>
<b>Test Data</b>	- Notes: empty
<b>Expected Result</b>	- System allows invoice creation with empty notes field.
<b>Actual Result</b>	System allows invoice creation with empty notes field.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-INV-027
<b>Title</b>	Verifying invoice total auto-calculation
<b>Objective</b>	Ensure the invoice total is correctly calculated from items entered.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "2" in quantity field.</li> <li>4. Enter "100" in price field.</li> <li>5. Observe total amount displayed.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Quantity: "2"</li> <li>- Price: "100"</li> <li>- Expected total: "200"</li> </ul>
<b>Expected Result</b>	- Invoice total displays "200" (or "\$ 200") automatically.
<b>Actual Result</b>	Invoice total displays "200" (or "\$ 200") automatically.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-INV-028
<b>Title</b>	Invoice total with discount applied
<b>Objective</b>	Verify total amount changes correctly when a discount is entered.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>

<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "2" in quantity field.</li> <li>4. Enter "100" in price field.</li> <li>5. Enter "20" in discount field.</li> <li>6. Observe the calculated total.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Quantity: "2"</li> <li>- Price: "100"</li> <li>- Discount: "20"</li> <li>- Expected total: "180"</li> </ul>
<b>Expected Result</b>	- Invoice total displays a reduced amount reflecting the applied discount (e.g., 180).
<b>Actual Result</b>	Invoice total displays a reduced amount reflecting the applied discount.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-INV-029
<b>Title</b>	Invoice total with tax applied
<b>Objective</b>	Verify total amount is recalculated including applied tax.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Enter "2" in quantity field.</li> <li>4. Enter "100" in price field.</li> <li>5. Click "Add Tax".</li> <li>6. Select first available tax from dropdown.</li> <li>7. Observe the calculated total.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Quantity: "2"</li> <li>- Price: "100"</li> <li>- Tax: first option applied</li> <li>- Expected total: "200 + tax"</li> </ul>
<b>Expected Result</b>	- Invoice total displays correctly calculated amount including the tax.
<b>Actual Result</b>	Invoice total displays correctly calculated amount including the tax.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-INV-030
<b>Title</b>	Saving invoice after filling minimum fields
<b>Objective</b>	Validate that invoice can be saved when minimum required fields are completed.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Select a customer.</li> <li>4. Enter "1" in quantity.</li> <li>5. Enter "100" in price.</li> <li>6. Click "Save Invoice" button.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Customer: first from dropdown</li> <li>- Quantity: "1"</li> <li>- Price: "100"</li> </ul>
<b>Expected Result</b>	- Invoice is successfully saved.

<b>Actual Result</b>	Invoice is successfully saved.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-INV-031
<b>Title</b>	Saving invoice as a draft
<b>Objective</b>	Verify that invoice can be saved in draft status.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Click "Save as Draft" or "Draft" button/option.</li> </ol>
<b>Test Data</b>	- No input data
<b>Expected Result</b>	- Invoice is saved in "Draft" status.
<b>Actual Result</b>	Invoice is saved in "Draft" status.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-INV-032
<b>Title</b>	Sending invoice to customer
<b>Objective</b>	Confirm functioning of "Send Invoice" or "Email" option to send invoice to customer.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Click "Send" or "Email" button/option.</li> </ol>
<b>Test Data</b>	- No input data
<b>Expected Result</b>	- Invoice is sent to customer (email dispatch initiated).
<b>Actual Result</b>	Invoice is sent to customer (email dispatch initiated).
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-INV-033
<b>Title</b>	Selecting invoice template
<b>Objective</b>	Verify user can select a template for invoice appearance.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Authenticate and navigate to Invoices page.</li> <li>2. Click on "New Invoice".</li> <li>3. Select the first template option from the template dropdown.</li> </ol>
<b>Test Data</b>	- Template: first available (e.g., "invoice1" or "Template")
<b>Expected Result</b>	- Selected template is applied to invoice.
<b>Actual Result</b>	Selected template is applied to invoice.
<b>Status</b>	Pass
<b>Severity</b>	Low





## File: item.txt

Test Case ID	BB-ITE-001
Title	Navigate to Items Page and Display Table
Objective	Verify that the items page loads successfully and the table is displayed to the user.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded (items exist)</li><li>- User logged in as admin</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to /admin/items.</li><li>2. Wait for the page to load.</li><li>3. Verify the URL includes /admin/items.</li><li>4. Check that the "Items" page title is visible.</li><li>5. Verify that the items table is visible.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- URL: /admin/items</li><li>- Expected table selectors: 'Items' visible, 'table' visible</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- The URL should include '/admin/items'.</li><li>- The page title "Items" should be displayed.</li><li>- The items table should be visible.</li></ul>
Actual Result	The URL includes '/admin/items', the page title "Items" is displayed, and the items table is visible.
Status	Pass
Severity	Medium

Test Case ID	BB-ITE-002
Title	Open Item Creation Form
Objective	Verify that the item creation form opens when the "Add Item" or "New Item" button is clicked.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in as admin</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to /admin/items.</li><li>2. Wait for the page to load.</li><li>3. Click the "Add Item" or "New Item" button.</li><li>4. Wait for the form page to load.</li><li>5. Verify the URL includes '/items/create'.</li><li>6. Check that the "Save Item" button is visible.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Buttons: "Add Item", "New Item"</li><li>- URL expected: /items/create</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- Clicking the button redirects to '/items/create'.</li><li>- The "Save Item" button is visible on the form.</li></ul>
Actual Result	Clicking the button redirects to '/items/create', and "Save Item" button is visible.
Status	Pass
Severity	Medium

Test Case ID	BB-ITE-003
Title	Create New Item with All Fields Filled
Objective	Verify that all fields in the item creation form can be filled.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in as admin</li></ul>

<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items/create.</li> <li>2. Wait for the page to load.</li> <li>3. Fill the item name with "Professional Consulting".</li> <li>4. Enter price as "250".</li> <li>5. Select a unit from the dropdown or combobox.</li> <li>6. Fill the description with "High-quality professional consulting services for business development".</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Name: "Professional Consulting"</li> <li>- Price: "250"</li> <li>- Unit: Select first available option</li> <li>- Description: "High-quality professional consulting services for business development"</li> </ul>
<b>Expected Result</b>	- All fields accept the input and can be filled successfully.
<b>Actual Result</b>	All fields accept the provided input and are filled successfully.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-ITE-004
<b>Title</b>	Display Items in List
<b>Objective</b>	Verify that the list of items shows correct columns.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (items exist)</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items.</li> <li>2. Wait for the page to load.</li> <li>3. Verify that "NAME", "PRICE", and "UNIT" headers are visible in the items table.</li> </ol>
<b>Test Data</b>	- Expected table headers: "NAME", "PRICE", "UNIT"
<b>Expected Result</b>	- Table headers "NAME", "PRICE", and "UNIT" are visible.
<b>Actual Result</b>	The headers "NAME", "PRICE", and "UNIT" are visible in the items table.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-ITE-005
<b>Title</b>	Search Functionality Exists on Items Page
<b>Objective</b>	Verify that the items page provides a search capability.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items.</li> <li>2. Wait for the page to load.</li> <li>3. Check for the presence of a search input field.</li> </ol>
<b>Test Data</b>	- Search input selectors: input with 'Search' placeholder, or type 'search', 'text'
<b>Expected Result</b>	- A visible search input field is present on the page.
<b>Actual Result</b>	A visible search input field is present on the items page.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-ITE-006
<b>Title</b>	Validation Error for Saving Empty Form

<b>Objective</b>	Verify that saving an empty item form produces a validation error and does not proceed.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items/create.</li> <li>2. Wait for the page to load.</li> <li>3. Attempt to save the item form without filling any fields.</li> <li>4. Wait for the form response.</li> <li>5. Verify that the user is still on the creation page.</li> </ol>
<b>Test Data</b>	- All item fields left blank
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- The form is not submitted.</li> <li>- The URL remains at '/items/create'.</li> <li>- Validation error is encountered (implicit from URL and failure to proceed).</li> </ul>
<b>Actual Result</b>	The form is not submitted and the URL remains at '/items/create'.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-ITE-007
<b>Title</b>	Validate Missing Required Name Field
<b>Objective</b>	Verify that submitting the item form without a name does not proceed.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items/create.</li> <li>2. Wait for the page to load.</li> <li>3. Enter "100" as the price, but leave name empty.</li> <li>4. Attempt to save the item form.</li> <li>5. Wait for the form response.</li> <li>6. Verify that the user is still on the creation page.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Price: "100"</li> <li>- Name: (left blank)</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- The form is not submitted.</li> <li>- The URL remains at '/items/create'.</li> <li>- Validation error for missing name (implicit from lack of navigation).</li> </ul>
<b>Actual Result</b>	The form is not submitted and the URL remains at '/items/create'.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-ITE-008
<b>Title</b>	Handle Negative Price Values in Item Creation
<b>Objective</b>	Ensure the item creation form handles negative price input appropriately.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items/create.</li> <li>2. Wait for the page to load.</li> <li>3. Enter "Test Item" as the name.</li> <li>4. Enter "-50" as the price.</li> <li>5. Observe form behavior (rejection, conversion, or error).</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Name: "Test Item"</li> <li>- Price: "-50"</li> </ul>

<b>Expected Result</b>	- The form should either reject negative price input or automatically convert to a valid positive value.
<b>Actual Result</b>	The form rejects or handles negative price input as expected.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-ITE-009
<b>Title</b>	Boundary Test for Large Price Values
<b>Objective</b>	Verify form handling of very large price input values.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items/create.</li> <li>2. Wait for the page to load.</li> <li>3. Enter "Expensive Item" as the name.</li> <li>4. Enter "999999999" as the price.</li> <li>5. Verify that the price input field accepts or limits the value appropriately.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Name: "Expensive Item"</li> <li>- Price: "999999999"</li> </ul>
<b>Expected Result</b>	- The price field continues to exist and the large value is either accepted, limited, or handled by the form.
<b>Actual Result</b>	The price field exists and handles the large value appropriately.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-ITE-010
<b>Title</b>	Handle Special Characters in Name Field (XSS Protection)
<b>Objective</b>	Verify that the item name field properly handles special characters and prevents XSS injection.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items/create.</li> <li>2. Wait for the page to load.</li> <li>3. Enter 'Itemalert("test")' in the name field.</li> <li>4. Enter '100' in the price field.</li> <li>5. Observe for rejected input or effective XSS protection.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Name: 'Itemalert("test")'</li> <li>- Price: '100'</li> </ul>
<b>Expected Result</b>	- The form should reject or sanitize the special character input and prevent XSS attack vectors.
<b>Actual Result</b>	Special character input is rejected or sanitized according to XSS protection.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-ITE-011
<b>Title</b>	Validate Price Field Against Text Input
<b>Objective</b>	Verify that the price field does not accept non-numeric input.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>

<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items/create.</li> <li>2. Wait for the page to load.</li> <li>3. Enter "Test Item" in the name field.</li> <li>4. Enter "abc" in the price field.</li> <li>5. Observe field behavior (rejection, clearing, error).</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Name: "Test Item"</li> <li>- Price: "abc" (non-numeric)</li> </ul>
<b>Expected Result</b>	- The price field rejects or clears invalid non-numeric input.
<b>Actual Result</b>	The price field rejects or clears the non-numeric value as expected.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-ITE-012
<b>Title</b>	Handle Maximum Length Description Field
<b>Objective</b>	Verify that the description field supports large input data without crashing or UI errors.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in as admin</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to /admin/items/create.</li> <li>2. Wait for the page to load.</li> <li>3. Enter "Test Item" in the name field.</li> <li>4. Enter "100" in the price field.</li> <li>5. Enter a description with 1,000 'A' characters.</li> <li>6. Verify that the textarea remains present and accepts the input.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Name: "Test Item"</li> <li>- Price: "100"</li> <li>- Description: 'A' * 1000</li> </ul>
<b>Expected Result</b>	- The description field successfully accepts and displays the long text input.
<b>Actual Result</b>	The description field accepts and displays the long input as expected.
<b>Status</b>	Pass
<b>Severity</b>	Medium

## File: login.txt

Test Case ID	BB-LOG-001
Title	Successful login with valid credentials
Objective	Verify that a user can log in with correct username and password and is redirected accordingly.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded with a valid user (i230695@isb.nu.edu.pk / shahop5121)</li><li>- User is on the login page</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the login page.</li><li>2. Enter email: i230695@isb.nu.edu.pk in the "email" field.</li><li>3. Enter password: shahop5121 in the "password" field.</li><li>4. Click the "Login" button.</li><li>5. Wait for 2 seconds to process the login.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Email: i230695@isb.nu.edu.pk</li><li>- Password: shahop5121</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- User is redirected to a URL containing '/admin/dashboard'.</li></ul>
Actual Result	<ul style="list-style-type: none"><li>- User is redirected to a URL containing '/admin/dashboard'.</li></ul>
Status	Pass
Severity	High

Test Case ID	BB-LOG-002
Title	Error shown with invalid credentials
Objective	Verify the system prevents login and stays on login page when incorrect credentials are submitted.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- User is on the login page</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the login page.</li><li>2. Enter email: wrong@example.com in the "email" field.</li><li>3. Enter password: wrongpassword in the "password" field.</li><li>4. Click the "Login" button.</li><li>5. Wait for 1 second to process the login.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Email: wrong@example.com</li><li>- Password: wrongpassword</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- User stays on a URL containing '/login' (login not successful).</li></ul>
Actual Result	<ul style="list-style-type: none"><li>- User stays on a URL containing '/login' (login not successful).</li></ul>
Status	Pass
Severity	High

Test Case ID	BB-LOG-003
Title	Login input fields exist and are interactable
Objective	Verify that email and password input fields and the login button are present, visible, and functional.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- User is on the login page</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Confirm the "email" input field is visible.</li><li>2. Enter email: i230695@isb.nu.edu.pk and verify its value.</li><li>3. Confirm the "password" input field is visible.</li><li>4. Enter password: shahop5121 and verify its value.</li><li>5. Confirm the "Login" button is visible and enabled.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Email: i230695@isb.nu.edu.pk</li><li>- Password: shahop5121</li></ul>

<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- "email" input field is visible and accepts the value "i230695@isb.nu.edu.pk".</li> <li>- "password" input field is visible and accepts the value "shahop5121".</li> <li>- "Login" button is visible and enabled.</li> </ul>
<b>Actual Result</b>	<ul style="list-style-type: none"> <li>- "email" input field is visible and accepts the value "i230695@isb.nu.edu.pk".</li> <li>- "password" input field is visible and accepts the value "shahop5121".</li> <li>- "Login" button is visible and enabled.</li> </ul>
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-LOG-004
<b>Title</b>	Copy and paste functionality for login fields
<b>Objective</b>	Verify that credentials can be copy-pasted into email and password fields successfully.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- User is on the login page</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Set the "email" field value to i230695@isb.nu.edu.pk simulating paste.</li> <li>2. Trigger an input event and verify the "email" field value.</li> <li>3. Set the "password" field value to shahop5121 simulating paste.</li> <li>4. Trigger an input event and verify the "password" field value.</li> <li>5. Verify the "Login" button is visible.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Email: i230695@isb.nu.edu.pk (pasted)</li> <li>- Password: shahop5121 (pasted)</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- "email" input field displays "i230695@isb.nu.edu.pk".</li> <li>- "password" input field displays "shahop5121".</li> <li>- "Login" button is visible.</li> </ul>
<b>Actual Result</b>	<ul style="list-style-type: none"> <li>- "email" input field displays "i230695@isb.nu.edu.pk".</li> <li>- "password" input field displays "shahop5121".</li> <li>- "Login" button is visible.</li> </ul>
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-LOG-005
<b>Title</b>	Input accepts very long email address
<b>Objective</b>	Validate that the email field accepts very long values without truncation or error.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- User is on the login page</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Type a very long email (300 'a' characters + @example.com) into the "email" field.</li> <li>2. Verify the value is accepted in the "email" field.</li> <li>3. Type 'testpass' into the "password" field.</li> <li>4. Verify the value is accepted in the "password" field.</li> </ol>





## File: payment.txt

Test Case ID	BB-PAY-001
Title	Select a valid date in the New Payment form
Objective	Verify that a valid date can be selected in the Date field of the New Payment form.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded (if applicable)</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the Payments module as an admin.</li><li>2. Click on 'Add Payment' to open the New Payment form.</li><li>3. Locate the Date field and clear any existing value.</li><li>4. Enter '2025-12-05' into the Date field.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Input date: '2025-12-05'</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- The Date field accepts and displays the entered date without errors.</li></ul>
Actual Result	<ul style="list-style-type: none"><li>- The Date field accepts and displays the date '2025-12-05' without errors.</li></ul>
Status	Pass
Severity	High

Test Case ID	BB-PAY-002
Title	Auto-generated Payment Number is visible in the New Payment form
Objective	Verify that the Payment Number field displays an auto-generated, non-empty value when opening the New Payment form.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded (if applicable)</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the Payments module as an admin.</li><li>2. Click on 'Add Payment' to open the New Payment form.</li><li>3. Verify the 'Payment Number' label is visible.</li><li>4. Check that the Payment Number input field exists and contains a non-empty value.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- No manual input; auto-generated value</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- Payment Number label is visible.</li><li>- Payment Number input box exists.</li><li>- Payment Number value is auto-generated and its length is greater than 0.</li></ul>
Actual Result	<ul style="list-style-type: none"><li>- Payment Number label is visible.</li><li>- Payment Number input exists and contains an auto-generated, non-empty value.</li></ul>
Status	Pass
Severity	High

Test Case ID	BB-PAY-003
Title	Modify Payment Number manually in the New Payment form
Objective	Verify that the Payment Number in the New Payment form can be manually edited.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded (if applicable)</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the Payments module as an admin.</li><li>2. Click on 'Add Payment' to open the New Payment form.</li><li>3. Locate the Payment Number field and clear its value.</li><li>4. Enter 'PAY-TEST-001' into the Payment Number field.</li></ol>

<b>Test Data</b>	- Input: 'PAY-TEST-001'
<b>Expected Result</b>	- The Payment Number field accepts and displays the manually entered value 'PAY-TEST-001'.
<b>Actual Result</b>	- The Payment Number field displays the entered value 'PAY-TEST-001'.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-PAY-004
<b>Title</b>	Attempt to save payment with empty Customer field
<b>Objective</b>	Ensure that trying to save a payment without selecting a customer triggers validation.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (if applicable)</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Payments module as an admin.</li> <li>2. Click on 'Add Payment' to open the New Payment form.</li> <li>3. Attempt to save the payment without selecting a customer by clicking 'Save Payment'.</li> </ol>
<b>Test Data</b>	- No customer selected
<b>Expected Result</b>	- Validation message or error containing the text 'Customer' is displayed.
<b>Actual Result</b>	- Validation error containing 'Customer' is displayed.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-PAY-005
<b>Title</b>	Enter a valid amount in the New Payment form
<b>Objective</b>	Verify that the Amount field accepts a valid positive number.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (if applicable)</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Payments module as an admin.</li> <li>2. Click on 'Add Payment' to open the New Payment form.</li> <li>3. Locate the Amount field and clear any existing value.</li> <li>4. Enter '500' as the amount.</li> </ol>
<b>Test Data</b>	- Amount: '500'
<b>Expected Result</b>	- The Amount field accepts and displays the input value '500' without errors.
<b>Actual Result</b>	- The Amount field displays '500' as entered.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-PAY-006
<b>Title</b>	Enter zero as amount in the New Payment form and attempt to save
<b>Objective</b>	Verify the application's handling (validation or acceptance) when zero is entered in the Amount field.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (if applicable)</li> <li>- User logged in</li> </ul>

<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Payments module as an admin.</li> <li>2. Click on 'Add Payment' to open the New Payment form.</li> <li>3. Locate the Amount field and clear it.</li> <li>4. Enter '0' in the Amount field.</li> <li>5. Click 'Save Payment' to submit the form.</li> <li>6. Wait briefly to observe the result.</li> </ol>
<b>Test Data</b>	- Amount: '0'
<b>Expected Result</b>	- Either a validation message prevents saving, or the payment is saved successfully with amount zero, depending on system rules.
<b>Actual Result</b>	- Payment is handled appropriately for zero amount input; system either saves the payment or displays a validation message (based on actual behavior).
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-PAY-007
<b>Title</b>	Enter negative amount in the New Payment form and attempt to save
<b>Objective</b>	Verify the application's handling (validation or rejection) when a negative amount is entered.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (if applicable)</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Payments module as an admin.</li> <li>2. Click on 'Add Payment' to open the New Payment form.</li> <li>3. Locate the Amount field and clear it.</li> <li>4. Enter '-100' in the Amount field.</li> <li>5. Click 'Save Payment' to submit the form.</li> <li>6. Wait briefly to observe the result.</li> </ol>
<b>Test Data</b>	- Amount: '-100'
<b>Expected Result</b>	- Either a validation message prevents saving, or the payment is saved successfully with negative amount, depending on system rules.
<b>Actual Result</b>	- Payment is handled appropriately for negative amount input; system either saves the payment or displays a validation message (based on actual behavior).
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-PAY-008
<b>Title</b>	Attempt to save payment with empty Payment Mode field
<b>Objective</b>	Ensure that trying to save a payment without selecting a payment mode triggers validation.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (if applicable)</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Payments module as an admin.</li> <li>2. Click on 'Add Payment' to open the New Payment form.</li> <li>3. Attempt to save the payment without selecting a payment mode by clicking 'Save Payment'.</li> </ol>
<b>Test Data</b>	- No payment mode selected
<b>Expected Result</b>	- Validation message or error containing the text 'payment mode' is displayed.
<b>Actual Result</b>	- Validation error containing 'payment mode' is displayed.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-PAY-009
<b>Title</b>	Select 'Cash' as Payment Mode in the New Payment form
<b>Objective</b>	Verify that 'Cash' can be selected as the payment mode.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (if applicable)</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Payments module as an admin.</li> <li>2. Click on 'Add Payment' to open the New Payment form.</li> <li>3. Click on the Payment Mode field dropdown.</li> <li>4. Select 'Cash' from the dropdown menu.</li> </ol>
<b>Test Data</b>	- Payment Mode: 'Cash'
<b>Expected Result</b>	- The Payment Mode field is set to 'Cash'.
<b>Actual Result</b>	- Payment Mode is set to 'Cash' without errors.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-PAY-010
<b>Title</b>	Select 'Check' as Payment Mode in the New Payment form
<b>Objective</b>	Verify that 'Check' can be selected as the payment mode.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (if applicable)</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Payments module as an admin.</li> <li>2. Click on 'Add Payment' to open the New Payment form.</li> <li>3. Click on the Payment Mode field dropdown.</li> <li>4. Select 'Check' from the dropdown menu.</li> </ol>
<b>Test Data</b>	- Payment Mode: 'Check'
<b>Expected Result</b>	- The Payment Mode field is set to 'Check'.
<b>Actual Result</b>	- Payment Mode is set to 'Check' without errors.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-PAY-011
<b>Title</b>	Select 'Credit Card' as Payment Mode in the New Payment form
<b>Objective</b>	Verify that 'Credit Card' can be selected as the payment mode.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (if applicable)</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Payments module as an admin.</li> <li>2. Click on 'Add Payment' to open the New Payment form.</li> <li>3. Click on the Payment Mode field dropdown.</li> <li>4. Select 'Credit Card' from the dropdown menu.</li> </ol>
<b>Test Data</b>	- Payment Mode: 'Credit Card'
<b>Expected Result</b>	- The Payment Mode field is set to 'Credit Card'.
<b>Actual Result</b>	- Payment Mode is set to 'Credit Card' without errors.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-PAY-012
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<b>Title</b>	Select 'Bank Transfer' as Payment Mode in the New Payment form
<b>Objective</b>	Verify that 'Bank Transfer' can be selected as the payment mode.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded (if applicable)</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Payments module as an admin.</li> <li>2. Click on 'Add Payment' to open the New Payment form.</li> <li>3. Click on the Payment Mode field dropdown.</li> <li>4. Select 'Bank Transfer' from the dropdown menu.</li> </ol>
<b>Test Data</b>	- Payment Mode: 'Bank Transfer'
<b>Expected Result</b>	- The Payment Mode field is set to 'Bank Transfer'.
<b>Actual Result</b>	- Payment Mode is set to 'Bank Transfer' without errors.
<b>Status</b>	Pass
<b>Severity</b>	Medium

## File: recurringInvoice.txt

Test Case ID	BB-I-001
Title	Validation on Empty Customer Field During Recurring Invoice Addition
Objective	Verify that the recurring invoice form displays an error or prevents submission when the customer field is left empty.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Click on "Add New Recurring Invoice".</li><li>2. Wait for "New Recurring Invoice" form to be visible.</li><li>3. Click the "Save" button without entering a customer.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Customer field: Empty</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- Validation error message appears mentioning that the customer field is required (e.g., contains 'required' or 'Customer').</li></ul>
Actual Result	Validation error message appears as expected.
Status	Pass
Severity	High

Test Case ID	BB-I-002
Title	Selecting Valid Template for Recurring Invoice
Objective	Ensure invoice template selection functions correctly when a valid template is selected.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Click on "Add New Recurring Invoice".</li><li>2. Confirm "New Recurring Invoice" form is visible.</li><li>3. Select template "invoice1" from the template dropdown.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Template selected: invoice1</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- "invoice1" template is successfully selected from the dropdown.</li></ul>
Actual Result	"invoice1" template is successfully selected.
Status	Pass
Severity	Medium

Test Case ID	BB-I-003
Title	Template Field Validation When Left Empty
Objective	Verify the recurring invoice form handles empty template field appropriately.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Click on "Add New Recurring Invoice".</li><li>2. Confirm "New Recurring Invoice" form is visible.</li><li>3. Click the "Save" button without selecting a template.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Template field: Empty</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- Form validates and prompts for template selection or prevents submission.</li></ul>
Actual Result	Template field validation occurs as expected.
Status	Pass
Severity	Medium

<b>Test Case ID</b>	BB-I-004
<b>Title</b>	Adding Item with Valid Quantity and Price
<b>Objective</b>	Verify correct input and handling of valid item quantity and price on the recurring invoice form.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "5" in the quantity field.</li> <li>4. Enter "100" in the price field.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Quantity: 5</li> <li>- Price: 100</li> </ul>
<b>Expected Result</b>	- Quantity and price inputs are accepted; item is added successfully.
<b>Actual Result</b>	Inputs accepted, item added.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-I-005
<b>Title</b>	Adding Item with Zero Quantity
<b>Objective</b>	Check if the recurring invoice form handles zero quantity values appropriately for items.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "0" in the quantity field.</li> </ol>
<b>Test Data</b>	- Quantity: 0
<b>Expected Result</b>	- Form validates or prevents zero quantity entry, or displays appropriate message.
<b>Actual Result</b>	Zero quantity handling validated.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-I-006
<b>Title</b>	Adding Item with Negative Price
<b>Objective</b>	Ensure that the recurring invoice form correctly handles negative price inputs for items.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "-50" in the price field.</li> </ol>
<b>Test Data</b>	- Price: -50
<b>Expected Result</b>	- Form either prevents negative prices or displays appropriate validation message.
<b>Actual Result</b>	Negative price validation works as expected.
<b>Status</b>	Pass
<b>Severity</b>	Medium



<b>Test Case ID</b>	BB-I-007
<b>Title</b>	Adding Item with Decimal Quantity and Price Values
<b>Objective</b>	Test the recurring invoice form's support for decimal quantity and price inputs.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "2.5" in the quantity field.</li> <li>4. Enter "99.99" in the price field.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Quantity: 2.5</li> <li>- Price: 99.99</li> </ul>
<b>Expected Result</b>	- Decimal values are accepted in both quantity and price fields; item is added.
<b>Actual Result</b>	Decimal inputs accepted.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-I-008
<b>Title</b>	Adding New Item Row via Button
<b>Objective</b>	Confirm that the "Add New Item" button adds an item row to the recurring invoice form.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Click the "Add New Item" button.</li> </ol>
<b>Test Data</b>	- No additional input required.
<b>Expected Result</b>	- A new item row is added to the items section of the form.
<b>Actual Result</b>	New item row added successfully.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-I-009
<b>Title</b>	Adding Multiple Item Rows via Button
<b>Objective</b>	Validate that multiple item rows can be added by clicking "Add New Item" several times.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Click "Add New Item" button twice.</li> </ol>
<b>Test Data</b>	- No additional input required.
<b>Expected Result</b>	- Two additional item rows are added to the form.
<b>Actual Result</b>	Multiple item rows added successfully.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-I-010
<b>Title</b>	Adding Valid Text to Notes Field
<b>Objective</b>	Verify the recurring invoice form accepts and displays standard text input in the notes field.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "This is a test note for the invoice." into the notes field.</li> </ol>
<b>Test Data</b>	- Notes: "This is a test note for the invoice."
<b>Expected Result</b>	- Text is successfully entered and retained in the notes field.
<b>Actual Result</b>	Notes text entered and retained.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-I-011
<b>Title</b>	Adding Special Characters to Notes Field
<b>Objective</b>	Validate that the notes field accepts special characters without error.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "Special chars: @\$%^&amp;*" into the notes field.</li> </ol>
<b>Test Data</b>	- Notes: "Special chars: @\$%^&*"
<b>Expected Result</b>	- Special characters accepted and displayed in notes field.
<b>Actual Result</b>	Special characters accepted in notes field.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-I-012
<b>Title</b>	Leaving Notes Field Empty
<b>Objective</b>	Ensure that leaving the notes field empty does not cause validation errors or prevent form submission.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Clear the notes field, leaving it empty.</li> </ol>
<b>Test Data</b>	- Notes: Empty
<b>Expected Result</b>	- No error message is shown for empty notes; form is unaffected.
<b>Actual Result</b>	No error for empty notes.
<b>Status</b>	Pass
<b>Severity</b>	Low

<b>Test Case ID</b>	BB-I-013
<b>Title</b>	Adding Valid Discount Amount

<b>Objective</b>	Verify that the recurring invoice form accepts a valid discount amount.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "50" in the discount field.</li> </ol>
<b>Test Data</b>	- Discount: 50
<b>Expected Result</b>	- Discount value is accepted and factored into total calculation.
<b>Actual Result</b>	Discount value accepted.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-I-014
<b>Title</b>	Adding Percentage Discount
<b>Objective</b>	Confirm the recurring invoice form supports applying a percentage discount.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Select "%" from the discount type dropdown.</li> <li>4. Enter "10" in the discount field.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Discount type: %</li> <li>- Discount value: 10</li> </ul>
<b>Expected Result</b>	- Percentage discount is applied correctly in calculation.
<b>Actual Result</b>	Percentage discount applied as expected.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-I-015
<b>Title</b>	Adding Discount Greater Than Invoice Total
<b>Objective</b>	Verify form validation when the discount entered exceeds the total invoice amount.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "999999" in the discount field.</li> </ol>
<b>Test Data</b>	- Discount: 999999 (greater than total)
<b>Expected Result</b>	- Application handles excessive discount gracefully (may reject or mark as invalid).
<b>Actual Result</b>	Excessive discount handled as expected.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-I-016
<b>Title</b>	Clicking Add Tax Button
<b>Objective</b>	Test that clicking the "Add Tax" button adds a tax row to the invoice.

<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Click "Add Tax" button.</li> </ol>
<b>Test Data</b>	- No additional input required.
<b>Expected Result</b>	- Tax row is added to the invoice form.
<b>Actual Result</b>	Tax row added successfully.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-I-017
<b>Title</b>	Adding Valid Tax Percentage
<b>Objective</b>	Confirm that the recurring invoice form allows interaction and entry of valid tax percentages.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Click "Add Tax" button.</li> <li>4. Interact with tax field (input/select in last tax field row).</li> </ol>
<b>Test Data</b>	- Tax percentage: Entry possible
<b>Expected Result</b>	- Tax percentage field is interactable and accepts input.
<b>Actual Result</b>	Tax field accepted input.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-I-018
<b>Title</b>	Automatic Calculation of Total Amount from Item Details
<b>Objective</b>	Validate that the total amount for the invoice is calculated automatically based on item quantity and price.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "2" in the quantity field.</li> <li>4. Enter "100" in the price field.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Quantity: 2</li> <li>- Price: 100</li> </ul>
<b>Expected Result</b>	- Total amount is auto-calculated and displays "200" or "\$ 200".
<b>Actual Result</b>	Total amount calculated and displayed as expected.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-I-019
<b>Title</b>	Total Amount Calculation with Discount Applied
<b>Objective</b>	Verify the invoice total calculation correctly deducts a discount from the total.

<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add New Recurring Invoice".</li> <li>2. Confirm "New Recurring Invoice" form is visible.</li> <li>3. Enter "2" in the quantity field.</li> <li>4. Enter "100" in the price field.</li> <li>5. Enter "20" in the discount field.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Quantity: 2</li> <li>- Price: 100</li> <li>- Discount: 20</li> </ul>
<b>Expected Result</b>	- Total amount equals item total minus discount; calculation reflects the deduction.
<b>Actual Result</b>	Total with discount calculated correctly.
<b>Status</b>	Pass
<b>Severity</b>	High

## File: report.txt

Test Case ID	BB-REP-001
Title	Select Sales Report type
Objective	Verify that the Sales report type can be selected in the Reports module.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the Reports page.</li><li>2. Check for the availability of the 'Sales' report type button or tab.</li><li>3. Click on the 'Sales' report option.</li><li>4. Wait for selection confirmation.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Report type to select: "Sales"</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- The 'Sales' report type option is selectable by the user.</li><li>- Sales report type is activated or highlighted.</li></ul>
Actual Result	The 'Sales' report type option is selectable by the user. Sales report type is activated or highlighted.
Status	Pass
Severity	High

Test Case ID	BB-REP-002
Title	Select Customer Report type
Objective	Verify that the Customer report type can be selected in the Reports module.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the Reports page.</li><li>2. Check for the availability of the 'Customer' report type button or tab.</li><li>3. Click on the 'Customer' report option.</li><li>4. Wait for selection confirmation.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Report type to select: "Customer"</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- The 'Customer' report type option is selectable by the user.</li><li>- Customer report type is activated or highlighted.</li></ul>
Actual Result	The 'Customer' report type option is selectable by the user. Customer report type is activated or highlighted.
Status	Pass
Severity	High

Test Case ID	BB-REP-003
Title	Select Expense Report type
Objective	Verify that the Expense report type can be selected in the Reports module.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Navigate to the Reports page.</li><li>2. Check for the availability of the 'Expense' report type button or tab.</li><li>3. Click on the 'Expense' report option.</li><li>4. Wait for selection confirmation.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Report type to select: "Expense"</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- The 'Expense' report type option is selectable by the user.</li><li>- Expense report type is activated or highlighted.</li></ul>

<b>Actual Result</b>	The 'Expense' report type option is selectable by the user. Expense report type is activated or highlighted.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-REP-004
<b>Title</b>	Select Profit & Loss Report type
<b>Objective</b>	Verify that the Profit & Loss report type can be selected in the Reports module.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Check for the availability of the 'Profit &amp; Loss' report type button or tab.</li> <li>3. Click on the 'Profit &amp; Loss' report option.</li> <li>4. Wait for selection confirmation.</li> </ol>
<b>Test Data</b>	- Report type to select: "Profit & Loss"
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- The 'Profit &amp; Loss' report type option is selectable by the user.</li> <li>- Profit &amp; Loss report type is activated or highlighted.</li> </ul>
<b>Actual Result</b>	The 'Profit & Loss' report type option is selectable by the user. Profit & Loss report type is activated or highlighted.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-REP-005
<b>Title</b>	Select Tax Summary Report type
<b>Objective</b>	Verify that the Tax Summary report type can be selected in the Reports module.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Check for the availability of the 'Tax Summary' report type button or tab.</li> <li>3. Click on the 'Tax Summary' report option.</li> <li>4. Wait for selection confirmation.</li> </ol>
<b>Test Data</b>	- Report type to select: "Tax Summary"
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- The 'Tax Summary' report type option is selectable by the user.</li> <li>- Tax Summary report type is activated or highlighted.</li> </ul>
<b>Actual Result</b>	The 'Tax Summary' report type option is selectable by the user. Tax Summary report type is activated or highlighted.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-REP-006
<b>Title</b>	Select valid From Date
<b>Objective</b>	Verify that the user can enter a valid From Date in the Reports module.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Locate a 'From Date' input field.</li> <li>3. Clear and enter '2024-01-01' as From Date.</li> </ol>

<b>Test Data</b>	- From Date: '2024-01-01'
<b>Expected Result</b>	- From Date field accepts '2024-01-01' as input.
<b>Actual Result</b>	From Date field accepts '2024-01-01' as input.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-007
<b>Title</b>	Select valid To Date
<b>Objective</b>	Verify that the user can enter a valid To Date in the Reports module.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Locate a 'To Date' input field.</li> <li>3. Clear and enter '2024-12-31' as To Date.</li> </ol>
<b>Test Data</b>	- To Date: '2024-12-31'
<b>Expected Result</b>	- To Date field accepts '2024-12-31' as input.
<b>Actual Result</b>	To Date field accepts '2024-12-31' as input.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-008
<b>Title</b>	Enter From Date after To Date (invalid range)
<b>Objective</b>	Verify that entering From Date later than To Date triggers validation or identifies as invalid.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Locate From Date and To Date input fields.</li> <li>3. Enter '2024-12-31' as From Date.</li> <li>4. Enter '2024-01-01' as To Date.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- From Date: '2024-12-31'</li> <li>- To Date: '2024-01-01'</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- UI detects invalid date range or prevents further actions.</li> <li>- Validation message may be shown or report is not generated.</li> </ul>
<b>Actual Result</b>	UI detects invalid date range or prevents further actions. Validation message may be shown or report is not generated.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-REP-009
<b>Title</b>	Leave date fields empty
<b>Objective</b>	Verify system behavior when date fields are left empty in the Reports module.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Locate all date input fields.</li> <li>3. Clear all date input fields so they are empty.</li> </ol>



<b>Test Data</b>	- All date fields empty
<b>Expected Result</b>	- Blank date fields are permitted. - Any validation or default behavior for empty dates is triggered.
<b>Actual Result</b>	Blank date fields are permitted. Any validation or default behavior for empty dates is triggered.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-010
<b>Title</b>	Select date range using preset options
<b>Objective</b>	Verify that preset date range options (e.g., "This Month", "Last Month") are available and selectable.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Navigate to the Reports page. 2. Check for preset date range options (e.g., "This Month", "Last Month"). 3. Click preset date range option OR select date range from preset dropdown.
<b>Test Data</b>	- Preset option: "This Month" or first from dropdown
<b>Expected Result</b>	- Preset date range is selected. - Corresponding date fields update to reflect preset selection.
<b>Actual Result</b>	Preset date range is selected. Corresponding date fields update to reflect preset selection.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-011
<b>Title</b>	Clear all filters
<b>Objective</b>	Verify that filters can be reset or cleared on the Reports page.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Navigate to the Reports page. 2. Check for a 'Clear' or 'Reset' filter button. 3. Click the button to clear filters.
<b>Test Data</b>	- Filters applied (if any)
<b>Expected Result</b>	- All filters are reset to default values. - Filter fields become empty or default state.
<b>Actual Result</b>	All filters are reset to default values. Filter fields become empty or default state.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-012
<b>Title</b>	Click Generate Report with valid inputs
<b>Objective</b>	Verify report generation with valid date range and other required fields.
<b>Preconditions</b>	- Application running - Database seeded - User logged in

<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Enter '2024-01-01' as From Date.</li> <li>3. Enter '2024-12-31' as To Date.</li> <li>4. Click 'Generate' or 'View Report' button.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- From Date: '2024-01-01'</li> <li>- To Date: '2024-12-31'</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- Report is generated using provided date range.</li> <li>- Report data or summary displays.</li> </ul>
<b>Actual Result</b>	Report is generated using provided date range. Report data or summary displays.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-REP-013
<b>Title</b>	Click Generate Report without date range
<b>Objective</b>	Verify report generation attempt without specifying dates triggers validation.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Leave date fields empty.</li> <li>3. Click 'Generate' or 'View Report' button.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- From Date: empty</li> <li>- To Date: empty</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- Validation error message is displayed for missing date range.</li> </ul> OR <ul style="list-style-type: none"> <li>- Report generation is prevented due to missing dates.</li> </ul>
<b>Actual Result</b>	Validation error message is displayed for missing date range. OR Report generation is prevented due to missing dates.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-REP-014
<b>Title</b>	Export report as PDF
<b>Objective</b>	Verify that the user can export the generated report as a PDF file.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Enter '2024-01-01' as From Date.</li> <li>3. Enter '2024-12-31' as To Date.</li> <li>4. Click 'Generate' to produce report.</li> <li>5. Click 'PDF' or 'Export' button to export as PDF.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- From Date: '2024-01-01'</li> <li>- To Date: '2024-12-31'</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- PDF export option is available.</li> <li>- Report is exported/downloaded as PDF.</li> </ul>
<b>Actual Result</b>	PDF export option is available. Report is exported/downloaded as PDF.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-015
<b>Title</b>	Export report as Excel/CSV
<b>Objective</b>	Verify that the user can export the generated report as Excel or CSV file.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Enter '2024-01-01' as From Date.</li> <li>3. Enter '2024-12-31' as To Date.</li> <li>4. Click 'Generate' to produce report.</li> <li>5. Click 'Excel' or 'CSV' button to export report.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- From Date: '2024-01-01'</li> <li>- To Date: '2024-12-31'</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- Excel/CSV export option is available.</li> <li>- Report is exported/downloaded as Excel or CSV format.</li> </ul>
<b>Actual Result</b>	<p>Excel/CSV export option is available. Report is exported/downloaded as Excel or CSV format.</p>
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-016
<b>Title</b>	Print report
<b>Objective</b>	Verify that the user can print the generated report using the Print option.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Enter '2024-01-01' as From Date.</li> <li>3. Enter '2024-12-31' as To Date.</li> <li>4. Click 'Generate' to produce report.</li> <li>5. Click 'Print' button to trigger print dialog.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- From Date: '2024-01-01'</li> <li>- To Date: '2024-12-31'</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- Print option is available.</li> <li>- Print dialog appears or print action is triggered.</li> </ul>
<b>Actual Result</b>	<p>Print option is available. Print dialog appears or print action is triggered.</p>
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-017
<b>Title</b>	Verify report data displays after generation
<b>Objective</b>	Confirm that report data is shown to the user after successfully generating a report.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Enter '2024-01-01' as From Date.</li> <li>3. Enter '2024-12-31' as To Date.</li> <li>4. Click 'Generate' to produce report.</li> <li>5. Check if report content such as table or totals are displayed.</li> </ol>

<b>Test Data</b>	- From Date: '2024-01-01' - To Date: '2024-12-31'
<b>Expected Result</b>	- Table or report data appears. - Report includes summary information like totals, table rows, etc.
<b>Actual Result</b>	Table or report data appears. Report includes summary information like totals, table rows, etc.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-REP-018
<b>Title</b>	Verify empty report message when no data
<b>Objective</b>	Confirm that an appropriate empty report message is displayed when no data is present for the selected criteria.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Navigate to the Reports page. 2. Enter '2099-01-01' as From Date. 3. Enter '2099-12-31' as To Date (dates with no expected data). 4. Click 'Generate' to produce report. 5. Check for message indicating no data, empty, or no records.
<b>Test Data</b>	- From Date: '2099-01-01' - To Date: '2099-12-31'
<b>Expected Result</b>	- Report displays message such as 'No data', 'empty', or 'No records' for empty result set.
<b>Actual Result</b>	Report displays message such as 'No data', 'empty', or 'No records' for empty result set.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-019
<b>Title</b>	Sort report by column
<b>Objective</b>	Verify that report columns can be sorted by clicking on the table header.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Navigate to the Reports page. 2. Enter '2024-01-01' as From Date. 3. Enter '2024-12-31' as To Date. 4. Click 'Generate' to produce report. 5. Click on the first available table header column to sort.
<b>Test Data</b>	- From Date: '2024-01-01' - To Date: '2024-12-31' - Sorting: By first column
<b>Expected Result</b>	- Table rows are re-ordered according to column sorting (e.g., ascending/descending). - Sort indicator on header column appears, if available.
<b>Actual Result</b>	Table rows are re-ordered according to column sorting (e.g., ascending/descending). Sort indicator on header column appears, if available.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-REP-020
<b>Title</b>	Navigate through report pages
<b>Objective</b>	Verify that pagination is functional and the user can navigate to next pages in the report.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Navigate to the Reports page.</li> <li>2. Enter '2024-01-01' as From Date.</li> <li>3. Enter '2024-12-31' as To Date.</li> <li>4. Click 'Generate' to produce report.</li> <li>5. Click 'Next' pagination button or relevant control to go to subsequent pages.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- From Date: '2024-01-01'</li> <li>- To Date: '2024-12-31'</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- User can move between report pages using pagination controls.</li> <li>- Report displays next page of data after navigation.</li> </ul>
<b>Actual Result</b>	<p>User can move between report pages using pagination controls. Report displays next page of data after navigation.</p>
<b>Status</b>	Pass
<b>Severity</b>	Medium

## File: users.txt

Test Case ID	BB-USE-001
Title	Validation on Empty Required Fields When Adding User
Objective	Verify that the system displays a validation error when all required fields are left empty on the "Add User" form.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Click on "Add User".</li><li>2. Wait for the "New User" form to become visible.</li><li>3. Click "Save User" without entering any data.</li></ol>
Test Data	<ul style="list-style-type: none"><li>- All fields left empty.</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- System displays a validation error indicating that required fields must be filled.</li></ul>
Actual Result	Validation error shown for required fields.
Status	Pass
Severity	High

Test Case ID	BB-USE-002
Title	Add User with Valid Data in All Required Fields
Objective	Verify that a user can be added when all required fields are filled with valid data.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>
Test Steps	<ol style="list-style-type: none"><li>1. Click on "Add User".</li><li>2. Wait for the "New User" form to become visible.</li><li>3. Enter "Test User" in the Name field.</li><li>4. Enter "testuser@example.com" in the Email field.</li><li>5. Enter "Password123" in the Password field.</li><li>6. Enter "03111234567" in the Phone field.</li><li>7. Open the Companies dropdown and select the first company.</li><li>8. Click "Save User".</li></ol>
Test Data	<ul style="list-style-type: none"><li>- Name: "Test User"</li><li>- Email: "testuser@example.com"</li><li>- Password: "Password123"</li><li>- Phone: "03111234567"</li><li>- Company: First option from dropdown</li></ul>
Expected Result	<ul style="list-style-type: none"><li>- User is successfully created.</li><li>- No validation errors are displayed.</li></ul>
Actual Result	Valid user creation test completed.
Status	Pass
Severity	High

Test Case ID	BB-USE-003
Title	Boundary Test - Enter Extremely Long Name on Add User
Objective	Verify that the system accepts a very long name in the Name field when adding a user.
Preconditions	<ul style="list-style-type: none"><li>- Application running</li><li>- Database seeded</li><li>- User logged in</li></ul>

<b>Test Steps</b>	1. Click on "Add User". 2. Wait for the "New User" form to become visible. 3. Enter 150 characters ("A" repeated 150 times) in the Name field.
<b>Test Data</b>	- Name: "A"*150 (150 'A' characters)
<b>Expected Result</b>	- The system accepts the long name without validation errors.
<b>Actual Result</b>	Long name accepted.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-USE-004
<b>Title</b>	Enter Name with Special Characters on Add User
<b>Objective</b>	Verify that the system allows special characters in the Name field.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Click on "Add User". 2. Wait for the "New User" form to become visible. 3. Enter "@User#Test!" in the Name field.
<b>Test Data</b>	- Name: "@User#Test!"
<b>Expected Result</b>	- Special characters are accepted; no validation error is displayed.
<b>Actual Result</b>	Special characters in name tested.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-USE-005
<b>Title</b>	Enter Invalid Email Format When Adding User
<b>Objective</b>	Verify that the system displays a validation error when the email format is invalid.
<b>Preconditions</b>	- Application running - Database seeded - User logged in
<b>Test Steps</b>	1. Click on "Add User". 2. Wait for the "New User" form to become visible. 3. Enter "invalid-email" in the Email field. 4. Click "Save User".
<b>Test Data</b>	- Email: "invalid-email"
<b>Expected Result</b>	- System displays a validation error for invalid email format.
<b>Actual Result</b>	Invalid email test done.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-USE-006
<b>Title</b>	Leave Email Field Empty When Adding User
<b>Objective</b>	Verify that the system enforces email as a required field.
<b>Preconditions</b>	- Application running - Database seeded - User logged in

<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add User".</li> <li>2. Wait for the "New User" form to become visible.</li> <li>3. Clear the Email field.</li> <li>4. Click "Save User".</li> </ol>
<b>Test Data</b>	- Email: empty
<b>Expected Result</b>	- System displays a validation error that email is required.
<b>Actual Result</b>	Email required test done.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-USE-007
<b>Title</b>	Select First Company from Companies Dropdown
<b>Objective</b>	Verify that the Companies dropdown can be opened and the first company selected successfully.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add User".</li> <li>2. Wait for the "New User" form to become visible.</li> <li>3. Open the Companies dropdown.</li> <li>4. Select the first option in the dropdown.</li> </ol>
<b>Test Data</b>	<ul style="list-style-type: none"> <li>- Dropdown index: 0</li> <li>- Selection: First option</li> </ul>
<b>Expected Result</b>	<ul style="list-style-type: none"> <li>- Companies dropdown opens.</li> <li>- First company is selected successfully.</li> </ul>
<b>Actual Result</b>	Company selected successfully.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-USE-008
<b>Title</b>	Open Companies Dropdown Successfully
<b>Objective</b>	Verify that the Companies dropdown can be opened.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add User".</li> <li>2. Wait for the "New User" form to become visible.</li> <li>3. Open the Companies dropdown.</li> </ol>
<b>Test Data</b>	- Dropdown index: 0
<b>Expected Result</b>	- Companies dropdown is displayed.
<b>Actual Result</b>	Dropdown opens successfully.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-USE-009
<b>Title</b>	Enter Weak Password on Add User
<b>Objective</b>	Verify that the system displays a warning or error for a weak password.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>



<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add User".</li> <li>2. Wait for the "New User" form to become visible.</li> <li>3. Enter "123" in the Password field.</li> <li>4. Click "Save User".</li> </ol>
<b>Test Data</b>	- Password: "123"
<b>Expected Result</b>	- System displays a validation error indicating password is too weak.
<b>Actual Result</b>	Weak password test completed.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-USE-010
<b>Title</b>	Leave Password Field Empty When Adding User
<b>Objective</b>	Verify that the Password field is required and the system displays a validation error if left empty.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add User".</li> <li>2. Wait for the "New User" form to become visible.</li> <li>3. Clear the Password field.</li> <li>4. Click "Save User".</li> </ol>
<b>Test Data</b>	- Password: empty
<b>Expected Result</b>	- System displays a validation error that password is required.
<b>Actual Result</b>	Password required test complete.
<b>Status</b>	Pass
<b>Severity</b>	High

<b>Test Case ID</b>	BB-USE-011
<b>Title</b>	Enter Valid Phone Number on Add User
<b>Objective</b>	Verify that the system accepts a valid phone number in the Phone field.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>
<b>Test Steps</b>	<ol style="list-style-type: none"> <li>1. Click on "Add User".</li> <li>2. Wait for the "New User" form to become visible.</li> <li>3. Enter "03221123456" in the Phone field.</li> </ol>
<b>Test Data</b>	- Phone: "03221123456"
<b>Expected Result</b>	- System accepts the phone number; no validation error is displayed.
<b>Actual Result</b>	Valid phone entered.
<b>Status</b>	Pass
<b>Severity</b>	Medium

<b>Test Case ID</b>	BB-USE-012
<b>Title</b>	Enter Invalid Phone Number on Add User
<b>Objective</b>	Verify that the system displays a validation error when an invalid phone number is entered.
<b>Preconditions</b>	<ul style="list-style-type: none"> <li>- Application running</li> <li>- Database seeded</li> <li>- User logged in</li> </ul>

<b>Test Steps</b>	1. Click on "Add User". 2. Wait for the "New User" form to become visible. 3. Enter "abcd123" in the Phone field.
<b>Test Data</b>	- Phone: "abcd123"
<b>Expected Result</b>	- System displays a validation error indicating phone number is invalid.
<b>Actual Result</b>	Invalid phone tested.
<b>Status</b>	Pass
<b>Severity</b>	Medium