### **Exhaustive Web UI Test Cases: Payment Uploader - Payment Module**

**Objective:** To provide an exhaustive and comprehensive suite of test cases for validating the Payment Uploader's web interface. These tests cover user workflows, UI element interactions, data display, validation, and role-based access for the Maker and Approver roles, based on the detailed Payment Interface design.docx.

#### **1. General & Login**

| Test Case ID | User Role | Test Scenario | Test Steps | Expected Result |
| --- | --- | --- | --- | --- |
| **PU-UI-GEN-001** | Any | **Happy Path: Successful Login** | 1. Navigate to the PU login page.<br>2. Enter valid Maker credentials.<br>3. Click "Login". | User is redirected to the PU dashboard. The user's name (e.g., "Finy Afrillia") and the current date/time are displayed in the top-right corner. |
| **PU-UI-GEN-002** | Any | **Negative: Login with Invalid Password** | 1. Navigate to the PU login page.<br>2. Enter a valid username and an invalid password.<br>3. Click "Login". | An error message "Invalid username or password" is displayed on the login page. |
| **PU-UI-GEN-003** | Any | **Negative: Login with Non-existent User** | 1. Navigate to the PU login page.<br>2. Enter a username that does not exist.<br>3. Click "Login". | An error message "Invalid username or password" is displayed. |
| **PU-UI-GEN-004** | Any | **Negative: Login with Empty Credentials** | 1. Navigate to the PU login page.<br>2. Leave username and password fields blank.<br>3. Click "Login". | Validation messages "Username is required" and "Password is required" appear below the respective fields. |
| **PU-UI-GEN-005** | Any | **Session: Logout Functionality** | 1. Log in successfully.<br>2. Click the "Logout" button or user profile icon > Logout. | The user session is terminated, and the user is redirected to the login page. |
| **PU-UI-GEN-006** | Any | **Navigation: Main Menu Verification (Maker)** | 1. Log in as a Maker.<br>2. Observe the main navigation menu on the left. | The menu correctly displays links for "Payment" (expandable), "Task List", "Audit Trail", and "System Configuration" (expandable) with all sub-menus visible as per the design. |
| **PU-UI-GEN-007** | Any | **Navigation: Breadcrumb Trail** | 1. Log in and navigate to Payment > Standing Order.<br>2. Click on "Add Standing Order". | The breadcrumb at the top of the content area correctly displays "Payment / Standing Order / Add Standing Order". Each part of the breadcrumb should be a clickable link to navigate back. |
| **PU-UI-GEN-008** | Any | **UI: Refresh Button** | 1. Navigate to the Standing Order list page.<br>2. Click the "Refresh" button. | The data in the table reloads from the server, showing the most up-to-date information without a full page reload. |
| **PU-UI-GEN-009** | Any | **Accessibility: Keyboard Navigation** | 1. Log in.<br>2. Use the "Tab" key to navigate through the main menu and on-screen buttons. | All interactive elements (links, buttons, form fields) are focusable in a logical order. The currently focused element has a visible outline. |
| **PU-UI-GEN-010** | Any | **Responsiveness: Mobile View** | 1. Log in and view the dashboard.<br>2. Resize the browser window to a mobile width (e.g., 375px). | The layout adapts gracefully. The left-hand navigation menu should collapse into a hamburger icon, and content should reflow vertically without horizontal scrolling. |

#### **2. Standing Order (SO) List Page**

| Test Case ID | User Role | Test Scenario | Test Steps | Expected Result |
| --- | --- | --- | --- | --- |
| **PU-UI-SO-001** | Maker | **UI: Verify All Columns (Maker View)** | 1. Navigate to the "Standing Order" page. | The table displays all specified columns: ID, Account Number, Account Name, Category, Product, Start Debit Date, Due Date, Application Status, Approval Status, Added By, Last Updated, Action. |
| **PU-UI-SO-002** | Checker | **UI: Verify All Columns (Checker View)** | 1. Log in as a Checker.<br>2. Navigate to the "Standing Order" page. | The table displays all specified columns, matching the Checker view mockup. The "Action" column shows "View" and "Approve/Reject" links. |
| **PU-UI-SO-003** | Any | **UI: Pagination Controls** | 1. Navigate to the SO list page with more than 10 records.<br>2. Verify the "Rows per page" dropdown is set to "10".<br>3. Click page "2". | The table displays the next set of 10 records. The pagination control highlights "2" as the active page. |
| **PU-UI-SO-004** | Any | **Function: Change Rows Per Page** | 1. Navigate to the SO list page.<br>2. Change the "Rows per page" dropdown to "20". | The table refreshes to display up to 20 records on a single page, and the pagination controls update accordingly. |
| **PU-UI-SO-005** | Any | **Function: Sorting by Every Column** | For each sortable column header (e.g., Account Name, Category, Last Updated):<br>1. Click the header once.<br>2. Click it again. | The list sorts correctly in ascending order. The list reverses the sort order to descending. |
| **PU-UI-SO-006** | Any | **Function: Open/Close Filter Panel** | 1. Navigate to the SO list page.<br>2. Click the "Filter" button.<br>3. Click the "Filter" button again or the 'X' in the panel. | A filter panel slides in from the right. The panel closes. |
| **PU-UI-SO-007 - 017** | Any | **Function: Apply Each Filter Individually** | For each field in the filter panel (Account Number, Account Name, Category, Product, etc.):<br>1. Enter/select a valid value.<br>2. Click "Apply". | The table refreshes to show only records that match the single filter criterion. |
| **PU-UI-SO-018** | Any | **Function: Apply Combined Filters** | 1. Open the Filter panel.<br>2. Select Category: "PDAM".<br>3. Select Approval Status: "Approved".<br>4. Enter a date range for "Last Updated Date".<br>5. Click "Apply". | The table refreshes to show only Standing Orders that match *all* three filter criteria. |
| **PU-UI-SO-019** | Any | **Function: Clear Filter** | 1. Apply a filter as in the previous test.<br>2. Click the "Clear" button in the filter panel.<br>3. Click "Apply". | All filter fields are reset to their default state. The table shows all records again. |
| **PU-UI-SO-020** | Any | **Function: Export to Excel (Filtered)** | 1. Apply a filter (e.g., Status = "Approved").<br>2. Click the "Export" button. | An Excel file is downloaded. The contents of the file must match the filtered data currently displayed in the table. |
| **PU-UI-SO-021** | Any | **Function: Export to Excel (Unfiltered)** | 1. Ensure no filters are active.<br>2. Click the "Export" button. | An Excel file is downloaded containing all records across all pages. |
| **PU-UI-SO-022** | Maker | **Action Buttons (Maker): Submitted Status** | 1. Find an SO with "Submitted" status. | The "Action" column shows "View" and "Delete" buttons. "Update" and "Terminate" are not visible. |
| **PU-UI-SO-023** | Maker | **Action Buttons (Maker): Approved Status** | 1. Find an SO with "Approved" status. | The "Action" column shows "View", "Update", and "Terminate" buttons. "Delete" is not visible. |
| **PU-UI-SO-024** | Maker | **Action Buttons (Maker): Rejected Status** | 1. Find an SO with "Rejected" status. | The "Action" column shows "View", "Update", and "Terminate" buttons. |
| **PU-UI-SO-025** | Checker | **Action Buttons (Checker): Submitted Status** | 1. Log in as a Checker.<br>2. Find an SO with "Submitted" status. | The "Action" column shows a single link/button group: "View / Approve/Reject". |
| **PU-UI-SO-026** | Checker | **Action Buttons (Checker): Approved Status** | 1. Log in as a Checker.<br>2. Find an SO with "Approved" status. | The "Action" column only shows a "View" button. |
| **PU-UI-SO-027** | Any | **UI: Empty State** | 1. Filter the list to a state where no records exist. | The table displays a message like "No data available" or "No records found". |

#### **3. Add/Edit/Terminate Standing Order Forms**

| Test Case ID | User Role | Test Scenario | Test Steps | Expected Result |
| --- | --- | --- | --- | --- |
| **PU-UI-FORM-001** | Maker | **Add SO: Form Layout Verification** | 1. Click "Add Standing Order". | The form appears with all fields as specified in the "Add Standing Order" mockup. "Application Status" is read-only and set to "New". |
| **PU-UI-FORM-002** | Maker | **Add SO: Dynamic Product Dropdown** | 1. On the "Add SO" form, select "Multifinance" from the "Category" dropdown. | The "Product" dropdown is populated only with Multifinance products (e.g., Mandala Finance, Toyota Astra Finance). |
| **PU-UI-FORM-003** | Maker | **Add SO: Real-time Billing ID Validation (Success)** | 1. Select "Indihome" as the product.<br>2. Enter a valid Billing ID ("No Pelanggan"). | A loading indicator appears briefly, then the "Customer Name" and "Due Date" fields are auto-populated with the correct data from the Biller Aggregator. |
| **PU-UI-FORM-004** | Maker | **Add SO: Real-time Billing ID Validation (Failure)** | 1. Select "Indihome" as the product.<br>2. Enter an invalid Billing ID. | The "Billing Not Found" pop-up dialog appears, as specified in the design. |
| **PU-UI-FORM-005** | Maker | **Add SO: Real-time Account Number Validation** | 1. Enter a valid 17-character "Account Number (Debit)". | A loading indicator appears briefly, then the "Account Name" field is auto-populated with the correct name from OVS. |
| **PU-UI-FORM-006** | Maker | **Add SO: Auto-fill Charge Account** | 1. Enter a valid "Account Number (Debit)".<br>2. Leave "Account Number (Charge)" blank.<br>3. Click "Submit". | The confirmation dialog "Debit account number will be used as the charge account number..." appears. |
| **PU-UI-FORM-007** | Maker | **Add SO: Validation (All Required Fields)** | For each mandatory field on the form:<br>1. Leave the field blank and click "Submit". | A specific validation error "This field is required" appears below the empty field. The form is not submitted. |
| **PU-UI-FORM-008** | Maker | **Add SO: Cancel Action** | 1. Fill out the "Add SO" form with some data.<br>2. Click the "Cancel" button. | The user is returned to the Standing Order list page without saving any data. A confirmation "Are you sure you want to leave?" dialog may appear. |
| **PU-UI-FORM-009** | Maker | **Edit SO: Form Population** | 1. From the SO list, click "Update" on an existing Approved SO.<br>2. Observe the form. | The "Edit Standing Order" form loads, pre-populated with all the existing data for that SO. "Application Status" is read-only and set to "Amendment". |
| **PU-UI-FORM-010** | Maker | **Edit SO: Read-only Fields** | 1. On the "Edit Standing Order" form, verify the "Category", "Product", and "Billing ID" fields. | These fields are disabled and cannot be edited, as per the design specifications. |
| **PU-UI-FORM-011** | Maker | **Terminate SO: Form Layout** | 1. From the SO list, click "Terminate" on an existing Approved SO.<br>2. Observe the form. | The "Terminate Standing Order" form loads. Most fields are read-only. "Application Status" is "Terminate". A mandatory "Final Debit" date picker is displayed. |
| **PU-UI-FORM-012** | Maker | **Delete SO: Confirmation Dialog (Cancel)** | 1. From the SO list, click "Delete" on a "Submitted" SO.<br>2. In the confirmation dialog, click "Cancel". | The dialog closes, and the Standing Order is not deleted. |
| **PU-UI-FORM-013** | Maker | **Form: Personal vs. Non-Personal Due Date** | 1. Select a "Non Personal Due Date" product.<br>2. Select a "Personal Due Date" product. | 1. The "Due Date" field is disabled/read-only.<br>2. The "Due Date" field is enabled and editable. |
| **PU-UI-FORM-014** | Maker | **Add SO: Data History Table** | 1. On the "Add Standing Order" form, observe the Data History table. | The table is empty. |
| **PU-UI-FORM-015** | Maker | **Edit SO: Data History Table** | 1. On the "Edit Standing Order" form, observe the Data History table. | The table correctly shows the history of the SO, including the initial "Submitted" and "Approved" actions with timestamps and usernames. |

#### **4. Approval Forms & Dialogs (Checker Role)**

| Test Case ID | User Role | Test Scenario | Test Steps | Expected Result |
| --- | --- | --- | --- | --- |
| **PU-UI-APP-001** | Checker | **Approval Form: View SO Details** | 1. From the Task List, click to approve a new SO.<br>2. Verify the "Standing Order Approval" page. | The page displays all details of the SO in read-only fields. "Approve" and "Reject" buttons are visible at the top. The "Data History" table is correctly populated. |
| **PU-UI-APP-002** | Checker | **Approval Dialog: Approve Confirmation** | 1. On the approval page, click "Approve". | The "Are you sure want to Approve this?" dialog appears. The "Input Notes" field is optional. |
| **PU-UI-APP-003** | Checker | **Approval Dialog: Reject Confirmation** | 1. On the approval page, click "Reject". | The "Are you sure want to Reject this?" dialog appears. The "Input Notes" field is mandatory. The "Reject" button is disabled until notes are entered. |
| **PU-UI-APP-004** | Checker | **Approval Failure: Pop-up on Fee Debit Fail** | 1. Attempt to approve an SO where the fee debit will fail (e.g., insufficient funds). | The "Approval Failed" pop-up appears with the message "Approval failed because the charge fee payment was unsuccessful." |
| **PU-UI-APP-005** | Checker | **Approval Form: View Amendment Request** | 1. A Maker submits an amendment to an SO.<br>2. Checker opens the request from the Task List. | The "Standing Order Approval" page is displayed. The "Application Status" field correctly shows "Amendment". |
| **PU-UI-APP-006** | Checker | **Approval Form: View Terminate Request** | 1. A Maker submits a termination for an SO.<br>2. Checker opens the request from the Task List. | The "Standing Order Approval" page is displayed. The "Application Status" field correctly shows "Terminate". |

#### **5. Transaction Monitoring & Reconciliation UI**

| Test Case ID | User Role | Test Scenario | Test Steps | Expected Result |
| --- | --- | --- | --- | --- |
| **PU-UI-TRN-001** | Any | **Transaction List: Default View** | 1. Navigate to the "Transaction" page. | The list defaults to the "Need Repair" tab, showing transactions with statuses like "Overdue - Failed". |
| **PU-UI-TRN-002** | Any | **Transaction List: Tab Navigation** | 1. Click the "All" tab.<br>2. Click the "Balance Short" tab. | The list correctly filters to show all transactions. The list correctly filters to show only "Balance Short" transactions. |
| **PU-UI-TRN-003** | Maker | **Transaction List: Bulk Repair** | 1. On the "Need Repair" tab, select the checkboxes for two overdue transactions.<br>2. Click the main "Repair" button at the top of the list. | A confirmation dialog appears. Upon confirmation, both selected transactions are submitted for repair approval. |
| **PU-UI-TRN-004** | Any | **Transaction List: Tooltip for Failed Status** | 1. Hover the mouse over a transaction with status "Payment Failed". | A tooltip appears showing the detailed error reason from the Biller Aggregator (SYB). |
| **PU-UI-REC-001** | Maker | **Reconciliation: Run Reconciliation** | 1. Navigate to the "Reconciliation" page.<br>2. Select a valid date and product.<br>3. Click "Recon". | The page updates to show the "Reconciliation Summary" and "Detail Transaction" tables. |
| **PU-UI-REC-002** | Maker | **Reconciliation: View NOK Result** | 1. Run a reconciliation that results in a mismatch. | The summary status bar turns red and displays "Reconciliation NOK". The detail table highlights the mismatched rows. |
| **PU-UI-REC-003** | Maker | **Reconciliation: View OK Result** | 1. Run a reconciliation that results in a perfect match. | The summary status bar turns green and displays "Reconciliation OK". |
| **PU-UI-REC-004** | Maker | **Reconciliation: View No Data Result** | 1. Run a reconciliation for a date with no transactions. | The summary and detail tables are hidden, and the message "There are no data to show yet..." is displayed. |
| **PU-UI-REC-005** | Maker | **Reconciliation: Match Data Dialog** | 1. On a NOK result, find a mismatched transaction and click "Match Data". | The "Are you sure want to match this data?" dialog appears, correctly showing the "Total Amount by Biller" and "Total Amount in PU". |
| **PU-UI-REC-006** | Maker | **Reconciliation: View Remark History** | 1. Find a transaction with existing remarks.<br>2. Click "Remark History". | The "Remark History" dialog appears, showing a paginated list of previous remarks with username, date, and the remark text. |

#### **6. Master Product & Charge Management UI**

| Test Case ID | User Role | Test Scenario | Test Steps | Expected Result |
| --- | --- | --- | --- | --- |
| **PU-UI-PROD-001** | Maker | **Happy Path: Create a New Product** | 1. Navigate to System Configuration > Product > Add Product.<br>2. Fill in all required fields.<br>3. Click "Submit". | The product is created and sent for approval. A success notification is shown. |
| **PU-UI-PROD-002** | Approver | **Happy Path: Approve New Product** | 1. Find the new product request in the Task List.<br>2. Open the approval page and click "Approve". | The new product becomes active and available for selection in the Standing Order form. |
| **PU-UI-CHG-001** | Maker | **Happy Path: Create a New Charge** | 1. Navigate to System Configuration > Charge > Add Charge Configuration.<br>2. Fill in all required fields.<br>3. Click "Submit". | The charge is created and sent for approval. A success notification is shown. |
| **PU-UI-CHG-002** | Approver | **Happy Path: Approve New Charge** | 1. Find the new charge request in the Task List.<br>2. Open the approval page and click "Approve". | The new charge becomes active and will be applied to relevant transactions. |
| **PU-UI-PROD-003** | Maker | **Validation: Duplicate Product Code** | 1. Attempt to create a new product using an existing Product Code. | A validation error "Product Code already exists" is displayed. |