

## USER STORIES

### User Story: Accessing Invoice Page

- **Scenario 1:** As a user, I want to access the Invoice page, so that I can efficiently manage invoices within the procurement system.

### User Story: Filtering Invoices by Status

- **Scenario 1:** As a user, I want to filter invoices based on their status (All, Closed, Approved, Rejected), so that I can easily find invoices matching a specific status.

### User Story: Adding Invoices

- **Scenario 1:** As a user, I want to add new invoices manually or upload invoice documents, so that I can include invoices of various types such as Direct, GRN, or IB invoices.

### User Story: Viewing Invoice List

- **Scenario 1:** As a user, I want to view a list of all invoices on a dedicated page, so that I can quickly review all available invoices.
- **Scenario 2:** As a user, I want to sort the invoice list in ascending or descending order based on relevant parameters (e.g., Invoice Number, Date), so that I can organize invoices for better management.

### User Story: Taking Actions on Invoices

- **Scenario 1:** As a user, I want to take actions on individual invoices such as viewing detailed information or initiating payment processes, so that I can efficiently manage invoice-related tasks.
- **Scenario 2:** As a user, I want hyperlinks on the invoice listing page to redirect me to detailed views of invoices or initiate payment processes.

### User Story: Searching for Invoices

- **Scenario 1:** As a user, I want to search for specific invoices using criteria such as Invoice Number, Vendor, PO Number, or Supplier Invoice Number, so that I can quickly locate desired invoices.

#### User Story: Viewing Detailed Invoice

- **Scenario 1:** As a user, I want to view detailed information about a selected invoice, including invoice details, buyer details, supplier details, invoice documents, list of items, comments, GRN details, and total invoice amount.

#### User Story: Backend Implementation

- **Scenario 1:** As a developer, I need to design and implement a database schema to store invoice details based on their Invoice Number and PO Number, ensuring efficient data organization and retrieval.
- **Scenario 2:** As a developer, I need to create API endpoints for retrieving invoice details and viewing a particular invoice, as well as implementing filtering functionality for payments based on various parameters.

#### User Story: Validation and Error Handling

- **Scenario 1:** As a developer, I need to implement validation logic for fields such as Supplier Invoice Number, PO Number, and other mandatory fields on the backend, as well as validate data before storing it in the database and ensure data integrity.
- **Scenario 2:** As a developer, I need to implement frontend validation for data types, length, and format to minimize server requests and enhance user experience, as well as comprehensive error handling for scenarios such as invalid data input or database errors.