**Problem Statement: TrendyTrinkets CRUD Operations**

You are required to create and implement a CRUD (Create, Read, Update, Delete) operations form for a fictional online store called "TrendyTrinkets". The form allows users to input and manage product details in a table format. Your task includes implementing the form's functionality and ensuring it adheres to the following requirements:

**Form Requirements**

1. **Form Fields**:
   * **Product Code**: A text input field for the product code.
   * **Product Name**: A text input field for the product name.
   * **Qty**: A numeric input field for the quantity.
   * **Price**: A numeric input field for the price.
2. **Form Actions**:
   * **Submit**: Submits the form and adds the data to the table if all fields are filled.
   * **Reset**: Clears all fields in the form.
3. **Table Requirements**:
   * **Columns**: The table should have columns for Product Code, Product Name, Quantity, and Price.
   * **Action Buttons**: Each row should include "Edit" and "Delete" buttons.
     + **Edit**: Allows modification of existing data in a row.
     + **Delete**: Removes the row from the table after confirming with a dialog.
4. **Validation**:
   * The table should **not** accept rows if any of the fields are left empty. Implement a validation to ensure that rows with empty fields are not added to the table.
   * Display an appropriate alert message when attempting to submit the form with empty fields, indicating that all fields are required.
5. **Functionality**:
   * **Add New Record**: On form submission, add a new row to the table with the input data if all fields are non-empty.
   * **Edit Existing Record**: On clicking the "Edit" button, populate the form fields with the data from the selected row for modification.
   * **Update Record**: Update the selected row's data with the modified data from the form.
   * **Delete Record**: On clicking the "Delete" button, remove the row from the table after confirming the deletion.
6. **Reset Form**:
   * Ensure that the form fields are cleared when the "Reset" button is clicked, and any selected row for editing is cleared.

**Additional Requirements**

1. **No Empty Rows**: Ensure that no rows with empty fields are added to the table.
2. **Alert Handling**: Implement and verify an alert “Please fill in all fields” that appears when submitting the form with empty fields.





