Assignment # 3 (JQuery, JS, Bootstrap, CSS, HTML)

Part A: Read Data via API and Display on Web Page

Objective: Create a web application that fetches data from a REST API and displays it in a user-friendly interface.

Requirements:

1. Use JQuery to make an HTTP GET request to the API endpoint
2. Handle both successful responses and errors appropriately
3. Display the data in a structured format (table, cards, or list)
4. Show loading indicators while fetching data
5. Implement error handling for network issues or API failures

Expected Features:

- Responsive design
- Data filtering/search functionality
- Refresh button to reload data
- Clean, organized presentation of information

Part B: Read Data from Web Page and Send to Server via API

Objective: Create a web form that collects user input and sends it to a server via POST API request.

Requirements:

1. Create an HTML form with appropriate input fields
2. Validate user input before submission
3. Send data to the server using HTTP POST request
4. Handle server responses (success/error)
5. Provide user feedback after submission

Expected Features:

- Form validation (required fields, email format, etc.)
- Loading state during submission
- Success/error messages
- Form reset after successful submission
- Client-side validation with user-friendly error messages

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