Web Development Assignment – Product Feedback Form with Live Validation

⏱ Duration: 1 Hour

🖥 Technologies to Use:

• HTML5
• CSS3
• Bootstrap 5
• JavaScript (Vanilla)

📋 Problem Statement

Create a Product Feedback Form for an e-commerce site.
The form should collect the following:
- Full Name
- Email
- Product Category (Dropdown)
- Rating (1 to 5 stars)
- Feedback Textarea

The form should be:
- Fully responsive using Bootstrap
- Styled cleanly using Bootstrap and custom CSS
- Validated using JavaScript (no form submission allowed if invalid)

☑ Features and Functional Requirements

🧱 HTML
- Use <form> with proper input fields
- Include placeholders and labels
- Use a dropdown for product category (e.g., Electronics, Fashion, Grocery)
- Include star rating using radio buttons or clickable icons

🎨 CSS + Bootstrap
- Use Bootstrap form components
- Center the form using grid or flex utilities
- Use Bootstrap's form-group, form-control, btn, card, etc.
- Add a card layout with a heading like 'Product Feedback'

⚙ JavaScript (Functionality)
- Validate fields on submission:
  • Name and Email should not be empty
  • Email should be valid (use regex)

• Feedback must be at least 30 characters

• Rating must be selected

- Display error messages near each invalid field

- If all is valid, show a success message (Bootstrap alert)

✏️ Bonus (Optional)

- Use localStorage to temporarily save the feedback

- Add a character count live-updating as user types in feedback box

- Convert stars into icons (★) and allow clicking for selection

💡 Instructions for Students

1. Use only HTML, CSS, Bootstrap, and plain JS – no jQuery or frameworks.

2. Keep your code modular and readable.

3. Form should not refresh the page on submit.

4. Show alert using Bootstrap classes (alert-success, alert-danger).