# **Assessment**

Module 04: WD - HTML

Module 05: WD - CSS and CSS3

Module 06: Website Designing - HTML5

Module 07: WD - Bootstrap Basic and Advanced (Basic Javascript)

#### **Case Overview**

#### Scenario:

You are a junior web developer at **Swan Solution Pvt. Ltd**. The company has recently decided to digitize **its Hotel Management System** to eliminate paper-based guest registration processes and enhance efficiency.

Your task is to create a responsive web-based form that allows the front desk staff to collect and store essential guest information. This form will replace manual entries and enable quick access to stored guest data.

### **Core Functionality**

Feature	Description
Responsive Web Form	<ul> <li>Create an HTL/CSS form to collect: Full Name, Phone Number, Email Address, Aadhar Card Number, Check in date, Check Out date, Purpose of visit. Use Flexbox or Grid for mobile-friendly layout.</li> </ul>
Form Labels & UI Elements	Include proper labels, placeholders, and <b>Submit</b> &Reset buttons.
Validation (JavaScript)	<ul> <li>All fields are required.</li> <li>Email must be valid format.</li> <li>Phone must be exactly 10 digits.</li> <li>Aadhar Card number must be 12 digits.</li> </ul>
Data Storage	<ul> <li>On successful validation, store data in localStorage as a list of submissions.</li> </ul>
Form Reset	Clear the form after submission.
User Feedback	<ul> <li>Show success message when data is saved.</li> <li>Show error messages near fields when validation fails.</li> </ul>
View Submissions Page	<ul> <li>On view.html, read data from localStorage and display in an HTML table with columns: Full Name, Phone Number, Email Address, Aadhar Card Number, Check in date, Check Out date.</li> </ul>

No Data Handling	If no data exists in localStorage, show "No data available"
	message.

## **Key Competencies Tested**

- HTML5 Form Design & Responsive Layout
- JavaScript Input Validation
- DOM Manipulation & Dynamic Rendering
- localStorage CRUD Operations
- Clear User Feedback on Errors & Success

## **Reflective Thinking Questions**

- How would you improve data validation and user feedback in real-world apps?
- Could regular expressions, inline tooltips, real-time validation, or third-party libraries improve user experience?