**Capstone Project: Manual Testing of Thomas Cook Tours Website**

**Website:** <https://www.thomascook.in/>

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**1. Team Organization**

* **Team Formation:** 8–9 Groups with ~6 members each.
* **Agile Model:** Scrum Framework for iterative development and testing.

**Roles Per Group**

* **Product Owner (PO):** Defines scope and priorities.
* **Scrum Master (SM):** Ensures Agile process compliance, removes blockers.
* **Developers:** Build/maintain automation scripts & framework utilities.
* **Testers:** Design manual test cases, execute tests, validate results.

**2. Test Strategy**

**Framework to be Used**

* Write Manual Test Cases in Excel/Jira (positive, negative, edge cases).
* **Page Object Model (POM):** For structured test automation (future scope).
* **TestNG with POM and XML:** For modular execution.
* **Cucumber BDD Framework:** To describe scenarios in Gherkin syntax.
* **Data Driven Testing:** Using TestNG parameters or Excel (Apache POI).

**Other Strategy**

* Multi-browser execution (Chrome, Firefox, Edge).
* Coding standards and naming conventions.
* Screenshots to be taken for all pass/fail scenarios.

**3. Case Study 1: Manual Testing – Login Page**

**Business Flow:** Verification of login page functionality.  
**URL:** <https://www.thomascook.in/>

**Activity 1: Main Flow**

1. Navigate to site.
2. Enter valid Email ID.
3. Select Login Method (OTP or Password).
4. Enter OTP/Password.
5. Click Login button.
6. Verify successful login.

**Activity 2: Error Flow**

* Invalid Username/Password → Error message displayed.

**Deliverables**

* Test Plan, Test Scenarios, Test Cases, RTM, Test Report, Bug Report.

**4. Case Study 2: Manual Testing – Tour Booking**

**Business Flow:** End-to-end tour package booking flow.  
**URL:** <https://www.thomascook.in/>

**Activity 1: Main Flow**

1. Select *Holidays → Australia Tour Packages*.
2. Choose *Australia Delights package* → View Details.
3. Select Departure City, Tour Type, Number of Travelers.
4. Select Date of Travel.
5. Accept Privacy Policy & Terms.
6. Click *Calculate Package Price*.
7. Select Payment Amount checkbox → Continue.
8. Enter Traveler Details (Name, DOB, Meal preference).
9. Enter Traveler Address (Name, Address, State, City, Pin Code).
10. Save details → Continue.

**Activity 2: Error Flow**

* Travelers limit exceeded → Error message.
* Invalid payment amount → Validation error.
* Empty traveler details → Mandatory field error.
* Invalid address fields → Error (e.g., symbols/numbers, mismatched state & city).
* Empty address fields → Prompt to fix fields.

**Deliverables**

* Test Plan, Test Scenarios, Test Cases, RTM, Test Report, Bug Report.

**5. Case Study 3: Manual Testing – Payment**

**Business Flow:** Validation of payment process.  
**URL:** <https://www.thomascook.in/>

**Activity 1: Main Flow**

1. Select *UPI* as payment method.
2. Enter Virtual Payment Address (VPA).
3. Agree to Terms.
4. Click *Pay Now*.
5. Verify successful payment redirection.

**Activity 2: Error Flow**

* Invalid Payment Details → Message prompting to try another method.

**Deliverables**

* Test Plan, Test Scenarios, Test Cases, RTM, Test Report, Bug Report.

**6. Project Deliverables (Consolidated)**

1. **Test Plan:** Scope, objectives, resources, schedule, risks, assumptions.
2. **Test Scenarios:** High-level test conditions for each case study.
3. **Test Cases:** Detailed step-by-step test cases with expected results.
4. **RTM (Requirement Traceability Matrix):** Mapping of requirements → test cases.
5. **Test Report:** Summary of executed test cases, results, and defect trends.
6. **Bug Report:** Defects logged with severity, priority, reproduction steps, and screenshots.

**7. Conclusion and Recommendations**

* **Coverage:** Login, Tour Booking, and Payment modules tested with positive, negative, and edge cases.
* **Results:** Validation of both *happy paths* and *error flows* ensured robust coverage.
* **Recommendations:**
  + Enhance automation scope using POM + TestNG + BDD.
  + Expand testing across multiple browsers and devices.
  + Integrate CI/CD pipeline for continuous validation.