# Project Documentation ;

## Basic Information

## Build Week Project
## https://library-assignment-zeta.vercel.app/

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**Date -> 6/5/25**

## TEST PLAN ;

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# 1 Introduction

This test plan outlines The approach for testing core functionalities of the ecommerce website ensuring the shameless user experience occurs various feature including navigation home page ,Dashboard, footer link ,Contact us, Borrow book ,loginfunctional

## 2 Objective

- Validate the correct functionality of the key website component

- Identify the and report defects to improve to usability and performance

- Automate the critical workflow using Selenium with Page object model and Integrate with Cucumber

## 3 Testing Scope

**Manual and automation  testing**

**Manual Testing**

Manually validate all work flow focusing on critical feature Like homepage ,Search , Borrow the book footer links and Login functionality

**Automation Testing**

- Automate critical workflows Like user Authentication and search the product ,filter and Borrow the book.

- Use Selenium for regression testing to ensure new update don't break existing functionality

  POM vs Selenium

  Home Page functionality

  - Validate the navigation menus
  - Test the dynamic content ,Promotion banner and features products

**Product search and filter functionality**
- Automate Searches and ensure the category and rating ,author
- Validate the sorting functionality (like Author ,title ,Genre

**Checkout**
- Automate the adding the item to cart and wishlist and Complete checkout

## 4 Testable Feature
- **Home page**

- **User authentication**

- **Search and filter**

- **Product details**

- **Cart and checkOut**

- **Contact us**

- **Footer link**

## 5 Testing Approach

**Functional testing**

Verify the correct behaviour feature

**Navegative**

Validate the error handling for invalid input

**Testing Methodologies**

**POM**

　　　User for reusable Method

**Cucumber**

　　　　Use the cucumber to write the code easy
language

## 6 Role And Responsibilities

**Team Lead**  **Yogesh Kumar**

**Responsibilities**
　　Create and manage the test plan

## 7 Test Schedule

| Task | Duration |
|------|----------|
| Test plan and mind map creation | **6/5/25** |
| Test scenario and Case creation | **7/5/25** |
| Test execution | **9/5/25** |
| Automate script creation | **8/5/25** |

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## 8 Test Deliverable

- **Test Plan :**Document outleting testing strategy and objectives
- **Test Scenario :** High level cases for  workflow
- **Test Case :** Detailed cases for manual execution
- **Bug Report:** List of identify bugs with severity and resolution Status
- **Test Summary report:** Comprehansive report summarising testing activities  results

## 9 Entry and Exit criteria

**Entry Criteria**

- Access a stable website environment
- Abilities of test data for workflows

**Exit Criteria**

- All critical test case were executed successfully
- No unresolved high priority defects
- Test summary report submitted

## 10 Tools

- **Manual Testing :** Google sheet /Docs for test cases and bug tracking
- **Automation Testing :** Selenium

- **Visual representation  :** Mind Map

## 11 RISk Mitigation Plan

| RISk | Mitigation |
|---|---|
| **Unstable Website** | Perform testing  during stable hours schedule build |
| **Dynamic Element** | Use robust locator (CSS,Xpath)and implement waits |
| **Time Constraints** | Promotize critical workflows for automation and manual testing |
| | |

# 12 Approvals

Masai will send different type document for client Approval Like

- **Test Plan**
- **Scenario**

- **Scripts**
- **Reports**