**1. Comprehensive Test Plan Document**

**Test Scope and Objectives**

* **Scope**: Testing core functionalities of DemoBlaze e-commerce platform:
  + User Registration/Login
  + Product Catalog Navigation
  + Shopping Cart Operations
  + Checkout Process
  + Product Categories Filtering
  + Contact Message Functionality
* **Objective**: Ensure platform functionality, usability, and reliability for end-users.

**Testing Strategy**

* **Functional Testing**: Validate that all core features work as expected.
* **Usability Testing**: Assess user-friendliness and ease of navigation.
* **Boundary Testing**: Test edge cases and data limits.
* **Regression Testing**: Ensure no new bugs are introduced after fixes.

**Test Environment Requirements**

* **Hardware**:
  + Desktop/Laptop with Windows/Linux/MacOS.
  + Screen resolution: 1280x720 or higher.
* **Software**:
  + Browser: Chrome/Firefox/Edge (latest versions).
  + Internet connection.

### ****3. Test Execution Report****

#### ****Test Case Execution Results****

| **Test Case ID** | **Test Scenario** | **Status** | **Notes** |
| --- | --- | --- | --- |
| TC-001 | Register a new user | Passed | Works as expected. |
| TC-002 | Login with valid credentials | Passed | Works as expected. |
| TC-003 | Login with invalid credentials | Passed | Works as expected. |
| TC-104 | Add a product to the cart | Passed | Works as expected. |
| TC-105 | Remove a product from the cart | Passed | Works as expected. |
|  |  |  |  |

#### ****Test Coverage Analysis****

* **Functional Coverage**: 90%