**TASK #3**

**General Templates for Test Cases**

**1. Functional Testing**

**Title:**

Verify User Login Functionality

**Test Objective:**

To verify that the user login functionality works correctly.

**Preconditions:**

* The application is running.
* User credentials are valid.

**Test Steps:**

* Launch the application.
* Navigate to the login page.
* Enter valid username and password.
* Click the "Login" button.

**Expected Results:**

* The user should be successfully logged in.
* The user should be redirected to the home page.

**Actual Results:**

* The user is successfully logged in.
* The user is redirected to the home page.

**Status:**

Pass

**Priority:**

High

**Date of Execution:**

2023-09-20

**Bugs:** None

**2. Performance Test Case Template:**

**Title:**

Test Application Response Time Under Load

**Test Objective:**

To measure the application's response time under a specified load.

**Preconditions:**

* Performance testing environment is set up.
* Load testing tools are configured.

**Test Steps:**

* Simulate a load of 1000 concurrent users.
* Monitor the application's response time for a specific transaction.

**Expected Results:**

The application response time should be within acceptable limits.

**Actual Results:**

* Response Time: 450 milliseconds
* Throughput: 120 requests per second

**Status:**

Pass

**Priority:**

High

**Date of Execution:**

2023-09-22

**Bugs:**

None

3. **Security Test Case Template:**

**Title:** Test Input Validation for SQL Injection

**Test Objective:**

To verify that the application handles SQL injection attempts properly.

**Preconditions:**

* Security testing environment is set up.
* Input validation mechanisms are in place.

**Test Steps:**

Enter the following text into a text field: "'; DROP TABLE users--".

Submit the form.

**Expected Results:**

The application should reject the input and not execute any malicious SQL queries.

**Actual Results:**

The application rejects the input as expected.

**Status:**

Pass

**Priority:**

High

**Date of Execution:**

2023-09-25

**Bugs:**

None

**4. User Acceptance Test (UAT) Case Template**

**Title:**

UAT for E-commerce Checkout Process

**Test Objective:**

To ensure that the e-commerce checkout process meets user satisfaction criteria.

**Preconditions:**

* The e-commerce website is deployed.
* User accounts and products are set up.

**Test Steps:**

* Add a product to the cart.
* Navigate to the checkout page.
* Enter shipping and payment information.
* Complete the purchase.

**Expected Results:**

The user should be able to complete the purchase smoothly.

**Actual Results:**

The user completes the purchase without issues.

**Status:** Pass

**Priority:**

Medium

**Date of Execution:**

2023-09-26

**Bugs:**

None

**COMPERSION**

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| **Feature** | **Excel** | **Notion** | **TestRail** |
| **Primary Use** | Documentation, Individual Test Case Management | Versatile Workspaces, Collaboration, and Documentation | Dedicated Test Case Management |
| **Automation** | Custom Macros | Rules and Workflow Automation | Test Execution and Reporting |
| **Integration** | Limited | Integration Options Available | Limited |
| **Collaboration** | Limited Collaboration | Real-time Collaboration | Collaboration Features |
| **Templates** | Limited, Not Structured | Customizable Templates | Structured Templates |
| **Learning Curve** | Low | Learning Curve | Moderate |
| **Cost** | Typically included with Excel license | Free Tier Available, Paid Plans | Paid |
| **Pros** | Familiarity, Custom Macros, Offline Access | Versatility, Linked Databases | Dedicated Test Management, Focused on Testing |
| **Cons** | Limited Collaboration, Not Structured, Low | Learning Curve, Limited | Limited Test Execution and Reporting, Paid |
| **Primary Use Documentation** | Excel is primarily used for documentation and individual test case management. | Notion offers versatile workspaces and collaboration features that go beyond documentation. | TestRail is dedicated to test case management with a focus on testing processes. |
| **Automation** | Excel allows custom macro creation for automation. | Notion offers rules and workflow automation. | TestRail focuses on test execution and reporting. |
| **Integration** | Excel has limited integration capabilities. | Notion provides various integration options. | TestRail's integration options are limited. |
| **Collaboration** | Collaboration in Excel is limited. | Notion enables real-time collaboration. | TestRail offers collaboration features. |
| **Templates** | Excel's templates are limited and not structured for test case management. | Notion allows customizable templates. | TestRail provides structured templates for test management. |
| **Learning Curve** | Excel has a low learning curve. | Notion may have a learning curve for complex use cases. | TestRail's learning curve is moderate. |
| **Cost** | Excel is typically include with Microsoft Office licenses. | Notion offers a free tier with paid plans. | TestRail is a paid tool. |
| **Pros** | Excel is familiar to many users, supports custom macros, and offers offline access. | Notion provides versatility and linked databases for various use cases. | TestRail is dedicated to test management and testing processes. |
| **Cons** | Excel's collaboration and structure for test management are limited. | Notion has a learning curve and limited test execution/reporting capabilities. | TestRail has limited integration and is a paid tool. |