**Security Test Plan**

**1. Project Details**

* **Project Name:** Manual Security Testing on Practice Site.
* **Test Plan Version:** 1.0
* **Prepared By:** Kubra Memon
* **Date:** 1st June,2025

**2. Scope**

Describe which parts of the system you will test for security, e.g., login forms, APIs, user input fields, session management, etc.

**3. Objectives**

* Identify vulnerabilities such as SQL Injection, XSS, CSRF, IDOR, authentication weaknesses.
* Verify proper input validation and output encoding.
* Check authorization and token security.

**4. Test Environment**

* Specify environment details (staging, test server, or local environment).
* Tools to be used (Postman, Burp Suite Free Edition, Browser Developer Tools).

**5. Test Items**

List the features/modules you will test, e.g.,

* Login page
* Registration form
* Search functionality
* API endpoints

**6. Test Cases Examples**

| **Test Case** | **Description** | **Steps** | **Expected Result** |
| --- | --- | --- | --- |
| SQL Injection | Test if input fields are vulnerable to SQLi | Enter ' OR '1'='1 in username and attempt login | Login should fail; no bypass allowed |
| XSS Injection | Test if scripts execute in inputs | Enter <script>alert(1)</script> in comment box | Script should not execute; no alert shown |
| Token Validation | Check API token required for sensitive data | Make API request without token | Access should be denied |
| IDOR Test | Change user ID in URL to access others' data | Modify URL user ID parameter | Should not access other user's data |

**7. Testing Schedule**

* Start Date: 1st June,2025
* End Date: 15june,2025

**8. Risks and Assumptions**

* Testing only on authorized test environments.
* Some vulnerabilities may require deeper penetration testing tools not available here.

**9. Entry and Exit Criteria**

* Entry: Test environment ready, test data available.
* Exit: All planned tests executed, critical vulnerabilities logged.

**10. Reporting**

* Bugs will be logged in Jira with severity and steps to reproduce.
* Final test report will summarize findings and recommendations.