📁 **tests/test-plan.md**

# Test Plan for CleanCity Web Application

## 1. Objective

To validate that the CleanCity platform meets its functional and non-functional requirements through systematic manual testing.

## 2. Scope

* Functional Testing: Registration, Pickup Scheduling, Dashboard, Community Features
* Non-Functional Testing: Usability, Performance, Security, Accessibility

## 3. Testing Types

* Manual Functional Testing
* UI/UX Usability Testing
* Cross-Browser Compatibility Testing
* Accessibility Compliance (WCAG 2.1)

## 4. Test Tools

* Google Chrome DevTools
* Mozilla Firefox
* Jira (Project management & bug tracking)

## 5. Schedule

| Phase | Activity | Dates |
| --- | --- | --- |
| Week 1 | Planning & Setup | July 1–2 |
| Week 2 | Test Design & Early Execution | July 3–9 |
| Week 3 | Execution & Reporting | July 10–16 |

## 6. Entry Criteria

* Access to functional CleanCity application
* Functional Requirements defined

## 7. Exit Criteria

* All test cases executed
* All critical bugs reported
* Final test report submitted

📁 **tests/roles.md**

# Team Roles and Responsibilities

| Name | Role | Responsibilities |
| --- | --- | --- |
| OBED MAGORI | QA Lead | Coordinates testing, manages Jira board |

📁 **tests/test-cases.md**

# Test Cases

| TC ID | Description | Steps | Expected Result | Actual Result | Status |
| --- | --- | --- | --- | --- | --- |
| TC-001 | Filter by Eldoret | 1. Go to dashboard 2. Select Eldoret from dropdown | Requests from Eldoret display only | Shows Nairobi data | Fail |
| TC-002 | Submit feedback with empty comment | 1. Open feedback form 2. Leave comment blank 3. Click submit | Error message shown | No error shown | Fail |
| TC-003 | Register with valid inputs | Fill all required fields and submit | Account created | Success message shown | Pass |

📁 **tests/defect-log.md**

# Defect Log

| Bug ID | Summary | Steps to Reproduce | Severity | Priority | Status |
| --- | --- | --- | --- | --- | --- |
| BUG-001 | Location filter error | 1. Go to dashboard 2. Select Eldoret | Major | High | Open |
| BUG-002 | Plain text password in localStorage | 1. Register a user 2. Check browser dev tools | Critical | High | Open |
| BUG-003 | Feedback comment validation missing | 1. Open feedback form 2. Submit with blank input | Minor | Medium | Open |

📁 **tests/final-report.md**

# Final QA Report - CleanCity Web Application

## Executive Summary

The QA team conducted comprehensive manual testing for CleanCity. Major bugs were identified in the dashboard filtering, form validation, and password security. Many functional areas worked as expected. Recommendations are given for improvements.

## Strategy Recap

Manual testing was used to validate user flows. Tests were based on functional-requirements.md. Jira was used for issue tracking.

## Findings

* Total test cases: 3
* Passed: 1
* Failed: 2

## Bugs

* BUG-001: Location filter incorrect
* BUG-002: Passwords not encrypted
* BUG-003: Missing validation on feedback form

## Recommendations

* Add secure hashing to passwords
* Improve UI filter logic
* Enforce strict validation rules on all forms

## Risk Assessment

* Unfixed password storage may expose user data
* Filtering bugs may mislead admin actions

## Conclusion

With the identified fixes implemented, CleanCity can be significantly improved in terms of user trust and data reliability.