**Agile Test Strategy Document – ACKO Website**

**1. Revision History**

| **Date** | **Version** | **Author** | **Description** |
| --- | --- | --- | --- |
| 06-Aug-2025 | 1.0 | A1 | Initial draft for Agile Test Strategy |
| 08-Aug-2025 | 1.1 | A1 | Updated with ACKO-specific scope & approach |
| 10-Aug-2025 | 1.2 | A1 | Finalized for presentation |

**Table of Contents**

1. Revision History
2. Introduction
3. Objectives
4. Scope of Testing
5. Testing Approach
6. Sprint Plan
7. Types of Testing
8. Entry and Exit Criteria
9. Test Deliverables
10. Tools and Resources
11. Roles and Responsibilities
12. Risk and Mitigation

**2. Introduction**

This document defines the Agile Test Strategy for the ACKO website. It outlines the testing scope, objectives, approach, and responsibilities for delivering a quality product in an Agile environment.

**3. Objectives**

* Ensure each sprint delivers a tested and functional increment.
* Detect and resolve defects early in the development lifecycle.
* Promote continuous testing and integration.
* Provide transparency and traceability of testing activities.

**4. Scope of Testing**

Testing covers the core modules of the ACKO website, including:

* User Registration and Login
* Insurance Product Browsing
* Policy Purchase and Payments
* Claim Processing
* User Dashboard and Profile Management

**5. Testing Approach**

* Agile Scrum methodology will be followed.
* Testing will be continuous, iterative, and aligned with sprint planning.
* Test scenarios will be derived from user stories and acceptance criteria.
* Automation and manual testing will be combined based on the feature's complexity.

**6. Sprint Plan**

| **Sprint** | **Duration** | **Focus Areas** | **QA Activities** |
| --- | --- | --- | --- |
| Sprint 1 | Aug 6 – Aug 13 | - User Login/Signup - Dashboard UI Setup | - Functional Testing - UI Testing - Smoke Test |
| Sprint 2 | Aug 14 – Aug 21 | - Policy Browsing - Product Detail View | - Integration Testing - Boundary Testing |
| Sprint 3 | Aug 22 – Aug 29 | - Payment Gateway - Policy Purchase Flow | - Regression Testing - Security Testing |
| Sprint 4 | Aug 30 – Sep 6 | - Claim Request Flow - Claim Status Tracking | - System Testing - UAT - Performance Testing |

**7. Types of Testing**

* **Functional Testing**: Validate UI components and business logic.
* **Regression Testing**: Ensure new changes don’t break existing functionality.
* **Smoke Testing**: Verify basic app functionalities are working.
* **Integration Testing**: Test module interactions.
* **UAT (User Acceptance Testing)**: Validate end-to-end workflows from user’s POV.
* **Performance Testing**: Ensure system responsiveness and stability.
* **Security Testing**: Test for vulnerabilities in payment and login modules.

**8. Entry and Exit Criteria**

**Entry Criteria:**

* Approved user stories and acceptance criteria.
* Development completed for the sprint backlog items.
* Test environment setup.

**Exit Criteria:**

* All critical and major defects closed.
* Test cases executed and passed.
* Test Summary Report shared.

**9. Test Deliverables**

* Test Plan
* Test Scenarios and Cases
* Test Execution Report
* Defect Report
* Sprint-wise QA Summary Report

**10. Tools and Resources**

* **Test Management**: JIRA, TestRail
* **Automation**: Selenium, Postman
* **CI/CD Integration**: Jenkins
* **Performance**: JMeter
* **Communication**: Slack, Email

**11. Roles and Responsibilities**

| **Role** | **Responsibility** |
| --- | --- |
| QA Lead | Define test strategy, review deliverables |
| QA Engineer | Write and execute test cases |
| Scrum Master | Facilitate agile ceremonies |
| Developer | Fix bugs, support testing |
| Product Owner | Define user stories and accept features |

**12. Risks and Mitigation**

| **Risk** | **Mitigation Strategy** |
| --- | --- |
| Delay in dev deliverables | Early sync-up with devs, buffer in sprint planning |
| Environment instability | Use dedicated QA env, continuous monitoring |
| High defect leakage to UAT | Prioritize regression and smoke testing |
| Incomplete acceptance criteria | Active involvement in grooming sessions |