**Test Plan for**

**Acko.com**

**Sprint-Wise Agile Test Plan – ACKO Website**

**ChangeLog**

| **Version** | **Change Date** | **By** | **Description** |
| --- | --- | --- | --- |
| 1.0 | 06-Aug-2025 | A1 | Initial draft for Sprint-wise Test Plan |
| 1.1 | 08-Aug-2025 | A1 | Aligned with structured document format |
| 1.2 | 10-Aug-2025 | A1 | Finalized with sprint-specific QA activities |

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### ****1. Introduction****

This document outlines the sprint-wise Agile Test Plan for the ACKO Website. It details the testing scope, objectives, methodology, levels, roles, deliverables, tools, and environment setup required to ensure quality delivery across sprints in the Agile model.

### ****1.1 Scope****

#### **1.1.1 In Scope**

Testing will be conducted on the following modules in respective sprints:

* Sprint 1: Login/Signup, Dashboard UI
* Sprint 2: Policy Browsing, Product Details
* Sprint 3: Payment Gateway, Policy Purchase
* Sprint 4: Claim Requests, Claim Status Tracking

#### **1.1.2 Out of Scope**

* Backend systems unrelated to customer journeys
* Third-party service internal validations (unless affecting UI)
* Non-functional testing for non-critical pages

### ****1.2 Quality Objective****

* Ensure the ACKO Website functions as intended across all sprints
* Achieve full coverage of user stories and acceptance criteria
* Detect defects early and validate fixes efficiently
* Ensure no critical bugs reach UAT or Production
* Validate UI, security, performance, and user workflows end-to-end

### ****1.3 Roles and Responsibilities****

| **Role** | **Responsibilities** |
| --- | --- |
| QA Analyst | Write and execute test cases for each sprint |
| QA Lead | Review plans, monitor execution, defect triage |
| Developers | Fix defects, provide support during integration |
| Scrum Master | Facilitate sprint planning and QA involvement |
| Product Owner | Validate completed features via UAT |
| Automation Engineer | Implement regression and smoke test suites |

## **2. Test Methodology**

### ****2.1 Overview****

Agile Scrum methodology has been adopted for this project to support iterative development and continuous delivery. Each sprint delivers a potentially shippable product increment. Testing is tightly integrated into the sprint lifecycle.

### ****2.2 Test Levels****

| **Sprint** | **Test Levels** |
| --- | --- |
| Sprint 1 | Functional Testing, UI Testing, Smoke Testing |
| Sprint 2 | Integration Testing, Boundary Testing |
| Sprint 3 | Regression Testing, Security Testing |
| Sprint 4 | System Testing, UAT, Performance Testing |

### ****2.3 Bug Triage****

* Bugs are logged in JIRA and discussed in daily stand-ups
* Critical/High bugs are prioritized and fixed within the sprint
* Low priority bugs are tracked for future releases or enhancements

### ****2.4 Suspension Criteria and Resumption Requirements****

**Suspension Criteria:**

* Incomplete user stories
* Test environment not available
* Blocking defects prevent further testing

**Resumption Criteria:**

* User stories finalized and accepted by QA
* Environment is stable and accessible
* Critical bugs resolved

### ****2.5 Test Completeness****

* 100% of test cases executed (manual/automated)
* All P0 and P1 defects closed or deferred with stakeholder sign-off
* Sprint-level QA Summary Report shared and accepted
* UAT signed off for respective features

## **3. Test Deliverables**

* Sprint-wise Test Plan
* Test Scenarios & Test Cases
* Defect Reports (JIRA)
* Test Execution Reports
* Regression Suite (automated)
* Performance Test Results (Sprint 4)
* Final QA Summary for each sprint

## **4. Resource & Environment Needs**

### ****4.1 Testing Tools****

| **Purpose** | **Tool** |
| --- | --- |
| Test Management | TestRail |
| Defect Tracking | JIRA |
| Automation | Selenium |
| API Testing | Postman |
| CI/CD | Jenkins |
| Performance | JMeter |
| Communication | Slack, Email |

### ****4.2 Test Environment****

**Hardware:**

* Dedicated QA Test Servers (staging)
* Browsers: Chrome, Firefox, Safari
* Mobile Devices (iOS, Android)

**Software:**

* Windows 10 or later
* Office 2016+
* Required test automation frameworks
* Access to staging environment for backend services

## **5. Terms/Acronyms**

| **Term** | **Definition** |
| --- | --- |
| API | Application Programming Interface |
| AUT | Application Under Test |
| QA | Quality Assurance |
| UAT | User Acceptance Testing |
| CI/CD | Continuous Integration / Continuous Deployment |
| P0/P1 | Critical/High Priority Bugs |
| UI | User Interface |
| JIRA | Issue Tracking Tool |