**Acko Website – Test Plan Document**

**ChangeLog**

| **Version** | **Change Date** | **By** | **Description** |
| --- | --- | --- | --- |
| 1.0 | 06‑Aug‑2025 | [Sakshi Jadhav] | Initial release of Acko-specific test plan |

**Table of Contents**

1. **Introduction**  
   1.1 Scope  
   1.1.1 In Scope  
   1.1.2 Out of Scope  
   1.2 Quality Objective  
   1.3 Roles & Responsibilities
2. **Test Methodology**  
   2.1 Overview  
   2.2 Test Levels

2**.**3Bug Triage  
 2.4 Suspension & Resumption Criteria  
 2.5 Test Completion Criteria.

2.6 Sprint testing execution

1. **Test Deliverables**
2. **Resource & Environment Needs**4.1 Testing Tools  
   4.2 Test Environment
3. **Terms / Acronyms**

**1. Introduction**

This Test Plan defines the strategy, process, deliverables, and roles for validating the functionality and quality of the **Acko website**—covering insurance quote flows, policy purchase journeys, customer account management, payments, and support interactions.

**1.1 Scope**

**1.1.1 In Scope**

* Functional paths: New quote generation, policy purchase, account login/register, claims initiation, document downloads.
* Integration with payment gateways.
* Responsive UI on desktop & mobile.
* API validations for quote/policy generation.
* Security (OWASP) and performance (load under typical and peak usage).
* Error handling and notification flows.

**1.1.2 Out of Scope**

* Third-party integrations not exposed via UI (e.g., partner only dashboards).
* Internal admin or backend systems not user-facing.

**1.2 Quality Objective**

* Ensure core Acko workflows (quotes → purchase → policy issuance) work flawlessly.
* Meet performance targets: e.g., page load < 3 seconds, handle X concurrent users.
* Security compliance per industry standards (SSL, OWASP).
* Validate cross-browser/device usability and data integrity.

**1.3 Roles & Responsibilities**

* **Test Manager**: Overall planning, resourcing, test execution monitoring, sign‑off.
* **QA Analysts**: Write and execute test cases for functional, regression, UI.
* **Automation Engineers**: Automate critical user flows using Selenium or similar tools.
* **Performance Tester**: Execute load/stress testing with JMeter or Gatling.
* **Security Tester**: Use ZAP or similar tools for vulnerability scanning.
* **Dev & Product Teams**: Assist in triage, bug fixes, UAT acceptance.

**2. Test Methodology**

**2.1 Overview**

Using **Agile** methodology to enable continuous feedback and releases. Testing aligns with sprint cycles and frequent releases: functional changes validated each sprint.

**2.2 Test Levels**

* **Unit Testing**: Performed by developers on new code.
* **Integration Testing**: Validate API and backend service interactions.
* **System Testing**: End-to-end flows for quote‑to‑purchase flow.
* **User Acceptance Testing (UAT)**: Business validation by PO and stakeholders.
* **Regression Testing**: Automated suite to cover critical workflows after every code change.

**2.3 Bug Triage**

* Prioritize bugs (Critical, High, Medium, Low) based on impact.
* Schedule fixes within sprint or defer to next release if minor.
* Regular triage meetings involving QA, PM, Dev, and PO.

**2.4 Suspension & Resumption Criteria**

* **Suspend testing** if key services (quote calculation engine, payment gateway) are unavailable or unstable.
* **Resume testing** once services are stable and smoke tests pass successfully.

**2.5 Test Completion Criteria**

Testing is considered complete when:

* 100% of planned test cases executed.
* All Critical & High bugs resolved or deferred to next sprint with risk acceptance.
* Regression suite passed.
* UAT sign‑off obtained.

**2.6 Spring Testing Execution**

| **Sprint** | **Duration** | **Modules Covered** | **Key QA Deliverables** |
| --- | --- | --- | --- |
| Sprint 1 | 06–10 Aug 2025 | Homepage, Login, Quote Flow | Smoke Report, Test Cases, Bug Log |
| Sprint 2 | 11–16 Aug 2025 | Purchase Flow, Payment | Regression Cases, Automation Scripts |
| Sprint 3 | 18–23 Aug 2025 | Dashboard, Notifications | UI Validation, Test Execution Summary |
| Sprint 4 | 25–30 Aug 2025 | Claims, Mobile Testing | Cross-browser Reports, Sanity Checks |
| Sprint 5 | 01–05 Sep 2025 | Security Testing, Load, Final UAT | UAT Sign-Off, Defect Closure Report |

**3. Test Deliverables**

* Test Plan (this document).
* Detailed Test Cases (functional, regression, UI).
* Traceability Matrix (mapping requirements to test cases).
* Bug Reports.
* Automated Test Scripts & Reports.
* Performance Test Reports.
* Security Scan Reports.
* Test Summary & Metrics.
* UAT Sign‑off.

**4. Resource & Environment Needs**

**4.1 Testing Tools**

* **Requirements / Bug Tracking**: JIRA or TestRail.
* **Test Automation**: Selenium WebDriver + TestNG / Cucumber.
* **Performance Testing**: Apache JMeter / Gatling.
* **Security Testing**: OWASP ZAP.
* **Cross‑Browser Testing**: BrowserStack / LambdaTest.

**4.2 Test Environment**

* **Environments**: Dev → QA/Staging → UAT → Production.
* **Supported Platforms**: Windows 10/11, macOS; latest Chrome, Firefox, Safari, Edge.
* **Mobile Support**: iOS (Safari), Android (Chrome) responsive testing.
* **Data**: Use masked or synthetic customer data. Maintain periodic backups.
* **Hardware**: Standard modern browser test machines; mobile device emulators or real-device labs.

**5. Terms / Acronyms**

| **TERM** | **DEFINITION** |
| --- | --- |
| API | Application Programming Interface |
| AUT | Application Under Test |
| UAT | User Acceptance Testing |
| QA | Quality Assurance |
| PO | Product Owner |