**1. Test Strategy – ACKO.com (Waterfall)**

**Revision History**

| **Date** | **Version** | **Author** | **Description** |
| --- | --- | --- | --- |
| 06-Aug-2025 | 1.0 | Team 3 | Initial draft for Waterfall Test Strategy |
| 08-Aug-2025 | 1.1 | Team 3 | Updated for ACKO-specific scope & approach |
| 10-Aug-2025 | 1.2 | Team 3 | Finalized for presentation |

**1. Scope**

**In Scope:**

* Functional testing of policy search, purchase, premium calculation.
* Functional testing of claim initiation and tracking.
* UI testing of key pages (homepage, login, policy details, claims page).
* Regression testing before UAT and pre-production release.
* Cross-browser testing (Chrome, Firefox, Edge).

**Out of Scope:**

* Load testing.
* Mobile application testing.
* Deep third-party payment gateway testing.

**2. Test Approach**

* **Methodology:** Waterfall (sequential, phase-wise testing after development completion).
* **Testing Process:**
  + Requirements Analysis: Review requirements, clarify doubts, document traceability.
  + Test Case Design: Prepare and review cases after design freeze.
  + Test Execution: System and integration testing after full code delivery.
  + Regression Testing: Before UAT and deployment.
  + Defect Management: Log, track, and close defects in JIRA; retest after fixes.

**Test Levels:** Smoke, Functional, Integration, Regression, UI, Cross-browser, API testing.

**Roles & Responsibilities:**

| **Role** | **Responsibility** |
| --- | --- |
| QA Engineer | Write & execute test cases |
| QA Lead | Review cases, monitor execution |
| Developer | Fix defects |
| Test Manager | Coordinates testing, sign-off |
| Project Manager | Phase sign-off, issue escalation |

**3. Test Environment**

* **Environment:** Dedicated QA/Staging environment matching production.
* **Browsers:** Chrome, Firefox, Edge.
* **OS:** Windows 10/11.
* **Test Data:** Backup/restore strategy for key scenarios.

**4. Testing Tools**

| **Purpose** | **Tool** |
| --- | --- |
| Test Case Management | Excel / JIRA / TestLink |
| Bug Tracking | JIRA |
| API Testing | Postman |
| Automation (future) | Selenium / Cypress |

**5. Release Control**

* Phase-wise build versions (DEV, QA, UAT, PROD).
* All change requests tracked via JIRA.
* Builds labeled for traceability after each test/release milestone.

**6. Risk Analysis**

| **Risk** | **Mitigation** |
| --- | --- |
| Changing insurance rules | Early clarification, CR process |
| Environment downtime | Backup QA environment |
| Third-party failures | Use of API simulators/mocks |

**7. Review & Approvals**

* **Reviewers:** QA Lead, Business Analyst, Test Manager.
* **Approval:** Project Manager.