## Test Strategy

The objective is to test the end-to-end functionality, usability, and performance of the application and ensure it meets the defined business and technical requirements.

### **In Scope:**

### Core user workflows and interactions

### User account registration and management

### Order or task management and tracking

### Integration with relevant external services

### Administrative module and workflows

### Compatibility with both web and mobile platforms

### **Out of Scope:**

### Physical or logistical fulfillment aspects

### Integrations with third-party services not related to core functionality

**Focus Areas**

* **Functional Correctness**
  + Ensure that all core functionalities operate as intended.
* **User Interface (UI) and Navigation**
  + Evaluate the usability and intuitiveness of the UI and navigation.
* **Performance**
  + Assess performance aspects including load, stress, and scalability.
* **Security**
  + Identify and address vulnerabilities and verify encryption practices.
* **Compatibility**
  + Test compatibility across different browsers, devices, and operating systems.
* **Usability**
  + Evaluate ease of use and accessibility for end users.

**Approach**

* Utilize both black box and white box testing techniques.
* Implement automated test cases with appropriate tools.
* Conduct exploratory testing for key workflows.
* Perform load testing to evaluate performance under high user loads.
* Execute security testing to identify common vulnerabilities.
* Test for compatibility across various browsers, devices, and operating systems.
* Assess ease of use with feedback from a representative sample of end users.

**Deliverables**

* Functional test cases and reports.
* Performance test scripts and results.
* Security vulnerabilities report.
* User acceptance testing (UAT) report.
* Test coverage and defect reports.
* Automated regression test suite.

**Team & Schedule**

* **Team:** A team of 5 members is needed for the testing effort.
* **Proposed Schedule:**
  + **Month 1:** Functional and security testing.
  + **Month 2:** Load/performance testing.
  + **Month 3:** Compatibility testing and UAT.
  + **Month 4:** Regression testing.

**Entry & Exit Criteria**

* User stories to be tested must meet the defined "Ready for Testing" criteria.
* Testing is considered complete when all test cases are executed and no critical defects remain unresolved.

**Risks**

* Delays in the availability of the test environment.
* Lack of access to necessary external systems or services.
* Complex workflows may require additional time and resources.