**Test Plan for Teknosa Website**

**1. Context of Testing**

**1.1 Project/Test Levels/Test Types**

* Project: Testing the Teknosa website.
* Test Levels: System Testing.
* Test Types: Functional Testing, Usability Testing.

**1.2 Test Items**

* Test Item: Teknosa website (latest version).

**1.3 Test Scope**

* Functional testing of core features such as product browsing, search functionality, cart management, and checkout process.
* Usability testing to evaluate the user interface design, navigation, and overall user experience.
* Testing of user account functionalities, including registration, login, and account management features.

**1.4 Test Basis**

* Test Plan.
* Codes Repository.

**2. Assumptions and Constraints**

* Assumptions:
  + Access to a stable internet connection.
  + Test environment simulates real-world usage scenarios.
* Constraints:
  + Limited access to certain features due to user permissions.
  + Inability to test server-side functionalities.

**3. Test Strategy**

**3.1 General**

* Approach: Black-box testing focusing on user interactions.
* Test Environment: Virtual machines with various browser versions installed.
* Test Data: Use test accounts for placing orders and managing carts.

**3.2 Test Levels**

* System Testing: Validate end-to-end functionality of the Teknosa website.

**3.3 Test Types**

* Functional Testing: Verify core features and interactions.
* Usability Testing: Evaluate user experience and interface design.

**3.4 Test Deliverables**

* Test Plan
* Test Cases
* Test Reports (Incident Reports, Test Status Reports)

**3.5 Test Design Techniques**

* Equivalence Partitioning
* Boundary Value Analysis

**3.6 Entry and Exit Criteria**

* Entry Criteria:
  + Test environment setup completed.
  + Test data prepared.
* Exit Criteria:
  + All critical functionalities tested and passed.
  + No critical defects unresolved.

**3.7 Test Completion Criteria**

* Test Completion Criterion:
  + All test cases executed and passed.
  + Usability issues addressed or documented for future improvement.

**3.8 Metrics to be Collected**

* Number of defects found per test case.
* Time taken to perform specific tasks.
* User satisfaction ratings (for usability testing).

**3.9 Test Data Requirements**

* Test accounts for placing orders and managing carts.

**3.10 Test Environment Requirements**

* Hardware: Standard laptop.
* Software: Latest version of Chrome.
* Devices: Laptops and Desktops.

**3.11 Testing Activities and Estimates**

* Test Planning (3 days): Define test objectives, scope, and approach. Develop test cases and test data. Identify testing resources and finalize the test environment setup.
* Test Execution (25 days): Execute test cases according to the test plan. Document test results, including defects and observations.
* Test Reporting (1 day): Compile test reports summarizing test results, including test execution status, defect metrics, and any recommendations for improvement.

**4. Staffing**

**4.1 General**

* Test Team: 3 testers

**4.2 Roles and Responsibilities**

* Testers: Execute test cases, document defects, report test status.
* Technical Support: Setup and maintain test environment.

**4.3 Schedule**

* Test Planning: Day 3
* Test Execution: Day 18-28
* Test Reporting: Day 1

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