**Test Plan for AI Fashion Wardrobe Project**

1. **Test Plan Identifier**

Test Plan Id: MP-TP-003

Version:1.0

Date: 2/2/2024

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1. **References**

- Software Requirements Specification (SRS) Document

- User Interface Design Document

- API Documentation

- Previous Test Reports from similar projects

1. **Introduction**

This test plan outlines the approach, scope, and resources required for testing the AI Fashion Wardrobe application. The primary objective is to ensure that the application meets functional requirements and provides a seamless user experience in managing and styling wardrobes.

1. **Test Items**

- User authentication module

- Wardrobe management features (add, edit, delete items)

- Outfit recommendation engine

- API integrations (fashion APIs, weather API)

- User interface components

**5.Software Risk Issues**

- Integration challenges with third-party APIs.

- Potential issues in the AI recommendation algorithm leading to inaccurate suggestions.

- User data privacy concerns.

1. **Features to be Tested**

- User login/logout functionality

- Item addition and removal from wardrobe

- Outfit recommendations based on user preferences

- Search and filter functionalities for wardrobe items

- User interface responsiveness on various devices

1. **Features Not to be Tested**

- Legacy support for outdated browsers

- Non-functional requirements related to scalability

- Features still under development or in the design phase

1. **Approach**

- Manual Testing: For UI, functional, and exploratory testing.

- Automated Testing: For regression tests, especially on core functionalities.

- Performance Testing: To evaluate the response time of the recommendation engine under load.

1. **Item Pass/Fail Criteria**

- A feature is considered to pass if it meets the requirements specified in the SRS and passes all test cases with a 95% success rate.

- Any critical defects found must be resolved prior to release.

1. **Suspension Criteria and Resumption Requirements**

- Testing will be suspended if critical defects are identified that hinder further testing.

- Testing can resume once the defects are addressed and verified through retesting.

1. **Test Deliverables**

- Test Plan Document

- Test Case Specifications

- Test Execution Reports

- Defect Reports

- Test Summary Report

1. **Remaining Test Tasks**

- Finalize test case documentation

- Complete integration testing with third-party APIs

- Conduct performance testing

- Execute regression tests before final release

1. **Environmental Needs**

- Testing environment set up with access to development servers and staging database.

- Tools for automated testing (e.g., Selenium) and performance testing (e.g., JMeter).

1. **Staffing and Training Needs**

- 2 QA testers with experience in web applications.

- Training on specific tools and technologies used in the project (if necessary).

1. **Responsibilities**

- Test Manager: Oversee testing activities and ensure adherence to the test plan.

- QA Engineers: Execute test cases and report defects.

- Developers: Address defects and participate in testing as needed.

1. **Schedule**

- Test Planning: Fabruary 2, 2024 - March 22, 2024

- Test Case Development: February 15,2024- February 20, 2024

- Test Execution: February 21, 2024- February 28, 2024

- Test Closure: February 28, 2024- March 22,2024

1. **Planning Risks and Contingencies:**

- Risk of delays due to API integration issues; contingency involves early mock testing.

- Risk of inadequate test coverage; contingency involves regular reviews of test cases.

1. **Approvals:**

- Test Plan approval by Project Manager

- Sign-off by stakeholders upon completion of testing phase

1. **Glossary:**

- API: Application Programming Interface

- QA: Quality Assurance

- UI: User Interface

- SRS:Software Requirements Specification

- Regression Testing: Testing existing functionalities after changes.