Test Plan
Project Name: USN-START (University of South-Eastern Norway Student Attendance and Resource Tracking)
Test Plan Title: USN-START Application Testing
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Aspect Description
Application Name: USN-START (University of South-Eastern Norway Student Attendance and Resource Tracking)
Testing Strategy: A combination of manual and automated testing will be conducted to ensure the quality and reliability of the application.
Testing Techniques:

Black-box testing: Evaluating the application's functionality from a user's perspective.
White-box testing: Assessing specific components for code-level correctness and integrity.
Testing Levels:
Unit Test: Testing individual functions and methods of the application.
Component Test: Testing individual modules of the application.
System Test: Testing the entire application including integration and end-to-end scenarios.
Testing Approach for Non-functional Requirements:
Security: External security experts will perform penetration testing. In-house developers will conduct code reviews for security vulnerabilities.
Scalability: Load testing tools will simulate varying levels of user traffic to evaluate system performance.
Performance: Performance testing tools will measure response times and system performance under different conditions.
Usability: Real users will participate in usability tests to ensure a positive user experience.
Compatibility: Testing on various devices and OS versions to ensure broad compatibility.
Test Success Criteria:
All test cases, including regression tests, have been executed successfully without
Test Automation Tools: Appium for mobile automation, Selenium for web compatibility testing.
Performance Testing Tools: JMeter or similar tools for load and performance testing.
This test plan will ensure the USN-START application meets quality standards and provides a seamless experience for its users.