## Exercise 2: Test Plan

**Test Plan**

**Project Name: [Capstone Project: USNStart]**

**Test Plan Title: [Project USN Test Plan]**

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| **Aspect** | **Description** |
| Application Name | Coworking Space Management Website.|||| |
| Testing Strategy | A combination of manual and automated testing will be conducted. |
| Testing Techniques | Primarily black-box testing will be conducted to assess the application's functionality from a user's perspective.  Some white-box testing may be performed for specific components. |
| Testing Levels | - Accessibility Test: Ensures that the website is usable by people with disabilities, ensuring equal access to the website.  - Functionality Test: Validates that all features and functionalities of the website work correctly as intended.  - Usability Test: Evaluates how easily and effectively users can interact with the website to achieve their goals.  - Compatibility Test: Ensures that the website performs consistently across different browsers, devices, and operating systems. |
| Testing Approach for Non-functional Requirements | -Security Testing: This type of testing ensures that the website is secure from potential vulnerabilities and threats.  -Compatibility Testing: Ensure similar behavior of the website across various devices.  -Compliance Testing: Ensure the website meets the standards of the law related data protection and accessibility. |
| Test Success Criteria | -Completion of all test cases  -Identification and resolution of critical and high-priority defects promptly to maintain the website's functionality and user experience.  -Positive user experience from usability testing with students to confirm that the website is intuitive, easy to navigate, and meets their needs.  -Confirm functionality across various devices. |
| Test Environment | - Devices: PC(W10, W11, MacOS) and Smartphone (iOS, Android)  - Browsers: Latest versions of Chrome and Safari  - Test Automation Tools: Appium for mobile automation, Selenium for web compatibility testing - Performance Testing Tools: JMeter . |