

Verification Test Plan

Introduction to Testing

- Purpose of this test is to verify all components of the Ticketing System functions as expected. We want to ensure a seamless user experience, tight security, and data integrity.

Test Strategy

- The test plan will use a multi-tiered testing plan, including functional test, software system tests, and unit tests to cover the entirety of the system.
- It would implement automated and manual testing to ensure efficiency and coverage over every problem that could occur within the system.

Test Levels

- Unit Testing: Focus on testing the smallest pieces of code and make sure each function has the correct and intended output.
- Functional Testing: Focus on testing specific functions within the software system.
- System Testing: Test the system as a whole and make sure it runs as expected on the surface and ready to be used.

Test Cases

- Each case follows a structured approach to make sure it has thoroughly found any errors and provide clarity in how the test is done. In total this covers the unit, functional, and system levels of the Movie Theater Ticketing System.

Failure Management

- Provides a plan for an analysis of the failed areas of the system to find and understand the root cause of the issues at hand. This not only solves the critical issues, but being documented will help refine the SDLC preventing any similar issues from occurring in the future development.