

2. Verification Test Plan:

1)

Using test case 4, the unit for this is a situation in which it verifies the login information with an existing account to make sure it is a valid account with a correct username and password. The function for this is so that when a person inserts the correct login information they will then get to the movie selection page. In the system, this is cv as it allows us to create a way in which a person is able to access their ticket by having it linked to their account so only they can use the ticket(s). This feature is being designed for the purpose of allowing customers to login in with their account so that they can buy a ticket and can access the ticket at any time.

2)

Test Set 1: Unit Test - Seating Location Available

Test Description:

In test case 10, we will verify if the SeatingLocation class correctly updates the availability status of a seating location when a seat is booked. We will create a new class, set the seating location to "available", book the seat and check to make sure the status is updated to "taken".

Test Vector:

- Create a new SeatingLocation class.
- Set the status of the seating location to "available".
- Book the seating location by calling the Book() method.
- Verify if the seating location is updated to "taken".

Cover:

This test covers the "Seating Location Available" feature at the unit level, specifically testing the Book() method of the SeatingLocation class.

Test Set 2: Functional Test - Seating Location Available

Test Description:

In this test, we will confirm if the movie theater ticketing system correctly reserves a seating location and updates its availability. We will test if a user selects a seat and check if the system correctly reserves the seat and updates its status to "taken".

Test Vector:

- Launch the movie theater ticketing system.
- Select a seating location on the seating chart.

- Reserve the seating location by clicking the "Book" button.
- Verify if the system correctly updates the seating location's status to "taken".

Cover:

This test covers the "Seating Location Available" feature at the functional level, testing the system's ability to book a seating location and update its availability status.

Test Set 3: System Test - Seating Location Available

Test Description:

In this test, we will see if the system can prevent double bookings of a seat. We can test two customers both trying to book the same seat at the same time and check if the system stops this from happening.

Test Vector:

- Have two of the movie theater ticketing system indifferent devices.
- Select the same seating location on both.
- Attempt to reserve the the same seat at the same time
- Confirm that the system correctly prevents double booking/displays an error and updates one seating location to "taken".

Cover:

This test covers the "Seating Location Available" feature at the system level, testing if the system can prevent double bookings and update the seating location's availability status correctly.