Website Interaction Test Plan

Unit Test Plan

Test Set 1: Unit Test for Movie Filtering

- Targeted Feature: Movie Browsing
- Test Objective: Verify that the movie filtering feature is working correctly
- Test Scope: This test covers the filtering of movies based on their genre, rating, and release date.
- Test Vectors: The test set will consist of five test cases:
    1. Verify that filtering by genre is working correctly
    2. Verify that filtering by rating is working correctly
    3. Verify that filtering by release date is working correctly
    4. Verify that filtering by theater is working correctly
    5. Verify that filtering by multiple parameters is working correctly
- Test Coverage: This test covers the movie selection feature in terms of filtering and selection of movies based on various parameters.

Test Set 2: Unit Test for Movie Selection

- Targeted Feature: Movie Browsing
- Test Objective: Verify that the movie selection feature is working correctly
- Test Scope: This test covers the selection of movies by the user based on their preference, and the confirmation of the selection.
- Test Vectors: The test set will consist of five test cases:
    1. Verify available movies to select from are shown
    2. Verify that the user can select a movie by clicking on it
    3. Verify that the user can access available times/theaters for selection
    4. Verify the movie info and trailer is clickable
    5. Verify that the user can advance to seat selection
- Test Coverage: This test covers the movie selection feature in terms of user selection and accessible information to the user.

Functional Test Plan

Test Set 1: Functional Test for User Account Services

- Targeted Feature: User Account
- Test Objective: Verify that user can create and access information pertaining to their account
- Test Scope: This test covers the ability of a user to login with their credentials, the ability to change their preferences, and the ability of user changes to be made default.

- Test Vectors: The test set will consist of six test cases:
    1. Verify that the user can login to their account with their credentials
    2. Verify that if the user does not possess an account, they can create a new one
    3. Verify the user's ability to access their user preferences
    4. Verify the select home theater feature is working correctly
    5. Verify the preferred genres feature is working and those genres are given priority on the featured movies page
    6. Verify that these changes are made default and are still there on the next login
- Test Coverage: This test covers the user account services and the features in their accounts preferences to create a personalized browsing experience.

Test Set 2: Functional Test for Seat Selection Map

- Targeted Feature: Seat Selection Map
- Test Objective: Verify that the seat selection feature is working correctly
- Test Scope: This test covers the selection of seats by the user based on their preference, the availability of seats, and the confirmation of the selection.
- Test Vectors: The test set will consist of five test cases:
    1. Verify that the user can select a seat from the available seats for a particular movie
    2. Verify that unavailable seats are off limits to the user
    3. Verify that the seat availability status is updated correctly after the user has made a selection
    4. Verify that the selected seat is blocked for a certain period of time, to avoid purchasing of the same seat
    5. Verify that the user can advance to the payment area after confirmation of selection
- Test Coverage: This test covers the seat selection feature in terms of user selection and confirmation of the selected seats.

System Test Plan Targeted Feature: Buying Tickets

Test Set 1: System Test for Purchasing Tickets

- Test Objective: Verify that the user is able to buy movie tickets and the payment feature is processing payments correctly
- Test Scope: This test covers the payment process, from the selection of movie tickets, to the purchase of tickets, and to the completion of the transaction.
- Test Vectors: The test set will consist of five test cases:
    1. Verify that the selected tickets are added to the cart
    2. Verify that the tickets in cart are set to process for purchase
    3. Verify that the user can choose a payment method and enter the necessary details
    4. Verify that the payment is processed correctly and a confirmation message is displayed

5. Verify that the tickets are sent to the user through the method of their preference after the transaction is completed
- Test Coverage: This test covers the ability to purchase tickets and its ability to distribute to the user their purchased tickets.