

Group 13 - BasedMovies123

Team Members: Erasto Astudillo, Felix Marecaux, Aidan Shotland, Carlos Anguiano

GitHub: <https://github.com/canguiano13/cs250-designSpecificationAssignment>

Test Verification Plan:

Unit Tests:

1. Test set: Search_For_Valid_Movie
 - Test objective: To validate that our system correctly returns our user's search when they use our Search Bar.
 - Test description: This test will call the function responsible for searching movies and return the value if the movie is present or not
 - Features tested: Movie Search
 - Failure types covered: Failure to retrieve valid movie information when the search criteria are correct.
2. Test set: Search_For_Invalid_Movie
 - Test objective: To validate that our system correctly returns a message to let our user know the movie is not available.
 - Test description: This test will call the function responsible for searching movies and return the value if the movie is present or not
 - Features tested: Movie Search
 - Failure types covered: Failure to return an appropriate error message or notification to the user.

Functional Tests:

1. Test set: Sign_In
 - Test objective: To validate that our system correctly signs the user in when they enter their username and password
 - Test description: This test will call the function responsible for signing our user in and utilize our database to ensure the credentials are present and match
 - Features tested: Sign In
 - Failure types covered: When an incorrect username or password is presented
2. Test set: Cancel_Order
 - Test objective: To validate that our system correctly cancels an order
 - Test description: This test will call the function responsible for canceling our users order which consists of making the seats available again and refunding our customers money.
 - Features tested: Canceling Order, Select Seat, Refund Order Amount
 - Failure types covered: When an order is invalid, or has already been canceled

System Tests:

1. Test set: Mock_Order
 - Test objective: To validate that our system correctly handles placing a ticket order, from all aspects
 - Test description: This test will call the function responsible for testing all modules by placing a test order
 - Features tested: All Modules
 - Failure types covered: It should check for any failures with the integration of our modules
2. Test set: Mock_Load
 - Test objective: To validate that our system correctly handles a high amount of server traffic
 - Test description: This test will call the function responsible for creating test users that will create server traffic and see how responsive our modules are or whether they work under load
 - Features tested: All Modules
 - Failure types covered: Any performance issues that are present only when people are on our site