
Test Compliance Report

for

Video Rental System

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1. Introduction and Important Points

This is the Compliance Report document for the Video Rental System. Here, we list down the test cases mentioned and planned out in the test suite, along with the **PASS/FAIL** results obtained after testing the software. The exact test cases and expected outputs can be found in the test suite document. Note: If the result is as expected for a test case, it is marked as **PASSED**; otherwise, it is marked as **FAILED**.

2. User Frontend Interface Testing

- **Seamless Navigation:** Tested navigation across the application to ensure smooth transitions between pages and sections.
PASSED
- **Proper Functioning of Buttons:** Ensured that all buttons throughout the interface perform their intended actions accurately.
PASSED
- **Loading of Images:** Validated that movie images load properly and promptly throughout the application.
PASSED

3. Functional Features Testing

3.1 Login Page

| Username | Password | Expected Output | Test Result |
|-----------|-----------|---------------------|---------------|
| Incorrect | Incorrect | Invalid Credentials | PASSED |
| Incorrect | Correct | Invalid Credentials | PASSED |
| Correct | Incorrect | Invalid Credentials | PASSED |
| Correct | Correct | Logged In | PASSED |

3.2 SignUp Page

| Test Case | Test Data | Expected Output | Test Result |
|------------------|---|--|---------------|
| Valid Signup | Valid name, password, email, phone number | Account created successfully | PASSED |
| Invalid Name | Invalid name format (e.g., contains special characters) | Error message indicating invalid name format | PASSED |
| Invalid Password | Weak password (e.g., less than 8 characters) | Error message indicating weak password | PASSED |
| Invalid Email | Invalid email format (e.g., missing "@" & '.' symbol) | Error message indicating invalid email format | PASSED |
| Invalid Phone | Number Length Phone number with less than 10 digits | Error message indicating invalid phone number length | PASSED |

3.3 Movie Browsing and Selection

- **Genre Browsing:** Users can browse through all the movie genres.
PASSED
- **Movie Details:** View detailed information about each movie, including title, description, release date, duration, rating, certification, runtime, cast, and director.
PASSED

3.4 Cart Management

- **Adding and Removing Items:** Users can add and remove movies from the cart.
PASSED
- **Price Calculation:** Accurate calculation of the total price of all the movies in the cart, including the taxes.
PASSED
- **Checkout Process:** Test the checkout process, including entering payment information and confirming the order.
PASSED

3.5 Order Processing

- **Order Submission:** Verify that users can successfully submit orders for rental or purchase with appropriate validation.
PASSED
- **Payment Processing:** Test successful completion of transactions and successful placement of orders.
PASSED
- **Concurrent Payment Processing:** Concurrent payment processing is handled successfully. This means that if a movie gets out of stock during the payment, then the payment fails.
PASSED

3.6 Inventory Management

- **Stock Updates:** System's ability to update inventory stock levels accurately based on user rentals, purchases, and returns.
PASSED
- **Movie Rental Status:** Verify that movies are marked as returned or not returned for rental or purchase based on current stock levels.
PASSED
- **Backorder Handling:** Ensure that the system can handle backorders or out-of-stock items appropriately, with notifications or alternative options provided to users.
PASSED

3.7 Search Functionality

- **Keyword Search:** System's ability to search for movies based on keywords, titles, actors, directors, or other criteria, returning relevant results.
PASSED
- **Search Result Accuracy:** Ensure that search results are accurate and up-to-date and include relevant movie details to help users make informed decisions.
PASSED

3.8 User Profile Management

- **Profile Updates:** Test the functionality for users to update their profile information, including contact details.
PASSED
- **Order History:** Verify that users can view their order history, including past rentals, purchases, and transactions, with relevant details such as dates, prices, and order Statuses.
PASSED

4. Performance Testing

- **System Response Time:** Evaluated the system's response time under different scenarios, including normal usage, peak loads, and stress conditions.
PARTIALLY PASSED
(The performance degrades for heavy loads beyond the system's capability.)
- **Scalability Under Varying Loads:** Assessed the system's scalability by gradually increasing the load on the application and monitoring its performance.
FAILED
(The web app requires a fast internet connection to smoothly load all the images.)

5. Security Testing

- **User Access Control:** Ensured that users are restricted from accessing staff-specific pages or functionalities.
PASSED
- **Staff Access Control:** Tested the implementation to prevent staff members from accessing manager-specific pages or functionalities.
PASSED

6. Compatibility and Usability

- **Cross-Browser Testing:** Test the system's compatibility with popular web browsers (e.g., Chrome, Firefox, Edge) to ensure consistent functionality and appearance across different platforms.
PASSED
- **Mobile Responsiveness:** Verify that the system is responsive and displays correctly on various devices, including smartphones, tablets, and desktops.
PARTIALLY PASSED
(The system is fully responsive, but the appearance of some pages deviates from their intended appearance.)

7. Data Integrity Testing

- **Accuracy and Consistency of User Data:** Validated the accuracy and consistency of user data stored within the system as entered by the user.
PASSED
- **Handling Data Transactions:** Verified that data transactions are executed accurately and changes to the database are properly recorded and reflected in subsequent interactions.
PASSED