Video Rental System Software (VRS)

TEST SUITE
Version 1.0

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Contents

UNIT TESTS

1. Login method

This testing uses the login method for the Video Store Manager in various scenarios.

a. VRS Manager

Input	Expected Output
No Video Store Manager account created and login is clicked	Error message should be displayed
Video Store Manager account is created, but entered username or password is wrong	Error message should be displayed
Video Store Manager account is created, and entered username or password is correct	No error message should be displayed and the user should be logged in

This testing uses the login method for the Video Store Manager in various scenarios.

b. VRS Staff

Input	Expected Output

No Video Store Staff account created and login is clicked	Error message should be displayed
Video Store Staff account is created, but entered username or password is wrong	Error message should be displayed
Video Store Staff account is created, and entered username or password is correct	No error message should be displayed and the user should be logged in

c. VRS Customer

Input	Expected Output
No Video Store Customer account created and login is clicked	Error Message should be displayed
Video Store Customer account is created, but entered username or password is wrong	Error message should be displayed
Video Store Customer account is created, and entered username or password is correct	No Error message should be displayed and the user should be logged in

2. Change account details method

This testing is for changing login details for Video Store Customers and Staff by the Manager. This testing checks the change account details method in the VRS Manager's interface in different cases on entering the required data and clicking the update button.

Input	Expected Output
Entry for email is not a valid email format	An error message should be displayed
Entry for username is blank	An error message should be displayed
Entry for password is blank	An error message should be displayed
Entry for username is not blank and entry for email and mobile number is valid	No error message should be displayed and account should be updated
Entry for name is blank	An error message should be displayed
Entry for username is already existing username	An error message should be displayed

3. Add Movie method

This testing tests the add movie method of our interface.

Input	Expected Output
Entry for movie id is not a valid format	An error message should be displayed
Entry for quantity is zero or a negative number	An error message should be displayed
Entry for Movie Overview is not a valid format	An error message should be displayed
Entry for Movie Rating is not a valid format	An error message should be displayed
Entry for Movie Name is not a valid format	An error message should be displayed
Current entry is already present in the database, or one or more entered fields mis-match with a previous entry in the database	An error message should be displayed
All entry fields are correctly entered with the right format	Successful input message displayed

4. Generating List of Upcoming Deadlines for Rentals

This testing checks the "Generate List of Upcoming Deadlines for Rentals" method in the VRS manager and staff's interface.

Input	Expected Output
If no movies exist in the database.	An error message should be displayed
If orders exist in the database before pressing this button	No error message should be displayed and a detailed report of all movie rentals approaching the deadline mark with movie details, movie id, and due date provided to the shop owner in a document for printing.

5. Generating List of Expired Deadlines

This testing checks the "Generate List of Expired Deadlines" method in the medicine shop manager's interface.

Input	Expected Output
If no movies exist in the database.	An error message should be displayed
If movies exist in the database before pressing this button	No error message should be displayed and a detailed list of expired orders along with the respective vendors provided to the shop owner in a document for printing.

6. Purchase Movie method

This testing checks the PurchaseMovie() method in the show manager interface. A popup asks the user for the customer information to be printed on a receipt the movie id he wants to order and its quantity.

Input	Expected Output
The movie ID entered does not exist before pressing this button	An error message should be displayed
The quantity for an existing movie is less than the quantity entered before pressing this button	An error message should be displayed
The movie ID exists, quantity demand is met and customer details are in the correct format before pressing this button.	No error message is displayed and a receipt containing the customer details and movie list along with their quantity is provided to the shop owner in a document for printing.

7. Search Movie

This testing checks the search medicine function.

Input	Expected Output
If name is empty	List of all the movies to be displayed.
No result with the provided search term present	"No Movie with these tags" printed on the screen.
Input is as expected	List of all the medicines with all the details displayed on the screen.

8. Performing Audit

This testing checks the "Audit" method in the Video Store Manager's interface. All the orders and earnings are taken into account for a particular period of time which is read from the orders database on pressing this button. A popup asks the user for the duration for which the audit is to be displayed.

Input	Expected Output
No orders are created in the given duration before pressing this button	An error message should be displayed
A proper start date and end date is entered and orders are created in this duration before pressing this button	No error message should be displayed and a document containing a detailed report of all movies sold in the period along with their quantity and id. In the report, the net profit and net sales over the period are mentioned.
The duration entered is in the wrong format.	An error message should be displayed

9. Edit User Profile by User

This testing checks the "Edit My Profile" method in the Video Store Customer's interface.

Input	Expected Output
User Name entered already in use by another user	An error message should be displayed
Email ID entered in the wrong format.	An error message should be displayed
The new password entered is the same as before.	Message displayed "Password not changed but other details updated."
Details entered in the correct format along with a new non-similar password.	Message displayed "Details and Password Updated!"

10. Edit Movie Database

Possible cases while editing movies database. Accessed by Manager Entity only

Input	Expected Output
incorrect movie id entered while deleting/modifying details	"Movie not found!"
Modifying movie details : price field left empty / negative value	An error message should be displayed
Modifying movie details : movie fields left empty	An error message should be displayed