Movie Renter Black Box Test Plan

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Introduction

The Movie Renter program is a movie management system that allows an administrator to manage a list of movies and the sending and returning of movies from a list of customers that they have added. This black box test plan explains three separate tests of the functionality of this program. These include a customer that has not been added trying to login, an administrator trying to add a customer that has already been added, and a customer selecting a movie and adding it to their queue.

To start the program in Eclipse, right-click on the MovieRenterGUI and select Run As > Java Application. In the file browser, select the included Movie Inventory file, "movies2.txt" and click "Open". The customer database must be initialized prior to use. To initialize, log in as an administrator using *admin* for both the username and password. Click Add New Customer, enter the information for the current customer, and click Logout. Use that customer's username and password to login and click Browse. Select the each of the title's corresponding to those listed next to the customer's Movies at Home, one at a time, and select Reserve Selected Movie. Repeat for all movies in the Movies In Queue. Repeat for Customer 2. The movie and customer database has now been initialized and the test cases described below may be run.

The "movies.txt" file contains the following information:

Movie Inventory
```
1 Ant-man
3 Frozen
5 Jurassic World
0 Krampus
2 Selma
```
The two customers that should be added as described above include:

Customer 1
customer1@ncsu.edu, pw1, 3
Movies at Home: Frozen, Ant-man, Selma
Movies in Queue: Jurassic World, Krampus
Customer 2
customer2@ncsu.edu, pw2, 2
Movies at Home:
Movies in Queue:

Test ID	Description	Expected Results	Actual Results
userNotFound (Stephen Hildebrand)	**Preconditions:** The program is running. The Movie Inventory file described above has been loaded. The Login face is open and the login button is enabled with all other buttons disabled. Click the Username field and enter "user". Click the Password field and enter "password".	The system displays a pop up dialog stating: "No matching customer account found."	Pop-up dialog message is displayed.

	Click OK.	The user is returned to the Login face and all buttons remain in their previous states.	Returned to login face, buttons unchanged.
	Click the **X** in the top corner of the UI.	The program ends execution.	Program terminates.
customerAlreadyExists (Stephen Hildebrand)	**Preconditions:** The program is running, the administrator is logged in. Customer 1 and Customer 2, described above, have already been added to the system. Click **Add New Customer** Enter "customer1@ncsu.edu" in the **Username** field. Enter "pw1" in the **Password** field. Select 4 from the **Movie Limit** dropdown box. Click **OK**. Click **Cancel** in the New User Customer Name and Password dialog. Click the **X** in the top corner of the UI.	A dialog box opens with fields for entering the **Username**, **Password** and a dropdown box for the **Movie Limit**. No error is displayed. A popup dialog box states that: "Customer already has an account." The dialog box closes and the customer database is unchanged. The program ends execution.	Pop up box displays "Customer already has an account". Clicked OK. Returned to admin view. Program quits.
addMovieCustomer2 (Stephen Hildebrand)	**Preconditions:** The program is running, the administrator is logged in. Customer 1 and Customer 2, described above, have already been added to the system. Customer 2 has logged in. Click **Show My Queue**. Click **Browse**. Select "Frozen" from the list and click **Reserve Selected Movie**. Click **Show My Queue**. Click **Logout**.	The Queue face opens and the Movies At Home and My Queue lists are empty. The Browse face opens and all movies in the inventory are listed as shown above. The message "Added: Frozen" is displayed below the button. The Movies At Home list	Movies At Home and My Queue are empty. All movies in movies2.txt are visible in the inventory list.

		now contains "Frozen".	Movies At Home list now contains frozen.
	Click the **X** in the top corner of the UI.	The Login face is displayed.	Returned to Login face.
		The program ends execution.	Program ends.

Required Files:

movies.txt – This contains the movie inventory list and the number of each available.

Movie Inventory
```
1 Ant-man
3 Frozen
5 Jurassic World
0 Krampus
2 Selma
```

Document Revision History

Date	Author	Change Description
Nov. 14, 2015	Stephen Hildebrand	• Initial document creation • Introduction completion