

FLOW OF EVENTS

ID	
Title	DVD Rental System
Description	The software will be used by the manager and clerks of a store that rents both movies and video games.
Primary Actor	Clerk/Manager
Preconditions	User must be an employee of the store. User must be logged in. Server is up.
Basic Flow of Events	<ol style="list-style-type: none"> 1. User enters username and password. 2. Verify user. 3. System will start a session. 4. System checks if user is a manager or clerk when the user successfully logged in. 5. System displays the user interface when the user successfully logged in. 6. User will select task. <ol style="list-style-type: none"> 6.1 Manage title list. <ol style="list-style-type: none"> 6.1.1 If user is Clerk, system will disable this function. <ol style="list-style-type: none"> 6.1.1.1 if user selects Add Items <ol style="list-style-type: none"> 6.1.1.1.i. User will enter item information. 6.1.1.1.ii. System will check database for a match. 6.1.1.1.iii. If item not found user will manage inventory and add the item(6.8.1). 6.1.1.1.v. If item found, user will enter item list Information. 6.1.1.1.v. User will click "Add" button. 6.1.1.1.vi System will save from database. 6.1.1.2 If user selects Delete Items. <ol style="list-style-type: none"> 6.1.1.2.i. User will enter item information. 6.1.1.2.ii. User will click "Search" button. 6.1.1.2.iii. System will check database for a match. 6.1.1.2.iv. If item found, user will click "Delete" button. 6.1.3.v. System will save from database

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	<p>6.1.2. If user search for a particular item, the system will display the general information about such item selected.</p> <p>6.2. Manage Rental Rate and Period.</p> <p>6.2.1 If user is Clerk, system will disable this function.</p> <p>6.2.2. if user selects Rental Rates.</p> <p>6.2.2.i. User will enter item information.</p> <p>6.2.2.ii. User will click "Search" button.</p> <p>6.2.2.iii. System will check database for a match.</p> <p>6.2.2.iv. If item found, user will enter the item rental rate.</p> <p>6.2.2.iv. User will click "Add Rate" button.</p> <p>6.2.2.v. System will save from database.</p> <p>6.2.3. if user selects Rental Period.</p> <p>6.2.3.i. User will enter item information.</p> <p>6.2.3.ii. User will click "Search" button.</p> <p>6.2.3.iii. System will check database for a match.</p> <p>6.2.3.iv. If item found, user will enter the item rental period.</p> <p>6.2.3.iv. User will click "Add Period" button.</p> <p>6.2.3.v. System will save from database</p> <p>6.3. Manage Costumer List.</p> <p>6.3.1. If user selects Add Costumer.</p> <p>6.3.1.i. User will enter costumer information.</p> <p>6.3.1.ii. User will click "Add" button.</p> <p>6.3.1.iii System will save from database.</p> <p>6.3.2. If user selects Edit Costumer.</p> <p>6.3.2.i. User will enter costumer information.</p> <p>6.3.2.ii. User will click "Search" button.</p> <p>6.3.2.iii. System will check database for a match.</p> <p>6.3.2.iv. If item found, user will enter the costumer information.</p> <p>6.3.2.iv. User will click "Edit" button.</p> <p>6.3.2.v. System will save from database</p> <p>6.3.3. If user selects Delete Costumer.</p> <p>6.3.3.i If user is Clerk, system will disable this function.</p>
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	<ul style="list-style-type: none">6.3.3.ii. User will enter item information.6.3.3.iii. User will click "Search" button.6.3.3.iv. System will check database for a match.6.3.3.v. If item found, user will click "Delete" button.6.3.3.v. System will save from database <p>6.4. Manage Rental and Return.</p> <ul style="list-style-type: none">6.4.1. If user selects Rent Items<ul style="list-style-type: none">6.4.1.i. User will enter costumer information.6.4.1.ii. System will check database for a match.6.4.1.iii. If costumer does not exist then go to Manage costumer List and add a costumer(6.3.1).6.4.1.iv. User will enter dvd/game disk information.6.4.1.v. System will check database if item is available.6.4.1.vi. If item found, user will enter the item rental information and item status.6.4.1.vii. User will click "Rent" button.6.4.1.viii System will save from database.6.4.2. if user selects Return Items<ul style="list-style-type: none">6.4.2.i. User will enter item information.6.4.2.ii. System will check database for a match.6.4.2.iii. If item found user will check if item is overdue.6.4.2.iv. If item overdue user will add charges(6.5.1).6.4.2.v. If item found, user will enter the item Item status.6.4.2.v. User will click "Return" button.6.4.2.vi System will save from database. <p>6.5 Manage Late Charges.</p> <ul style="list-style-type: none">6.5.1. if user selects Add Late Charges.<ul style="list-style-type: none">6.5.1.i. User will enter costumer information.6.5.1.ii. User will click "Search" button.6.5.1.iii. System will check database for a match.6.2.1.iv. If costmer found, user will enter the late charge fee.6.5.1.v. User will click "Add Charge" button.
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	<p>6.5.1.vi. system will save from database.</p> <p>6.5.2. if user selects Cancel Late Charges</p> <p>6.5.2.i If user is Clerk, system will disable this function.</p> <p>6.5.2.ii. User will enter costumer information.</p> <p>6.5.2.iii. User will click "Search" button.</p> <p>6.5.2.iv. System will check database for a match.</p> <p>6.5.2.v. User will click "Cancel Charge" button.</p> <p>6.5.2.vi. System will save from database.</p> <p>6.6. Manage Reservations.</p> <p>6.6.1. If user selects Add Reservation.</p> <p>6.6.1.i. User will enter costumer information.</p> <p>6.6.1.ii. System will check database for a match.</p> <p>6.6.1.iii. If costumer does not exist then go to Manage costumer List and add a costumer(6.3.1).</p> <p>6.6.1.iv. If costumer found, user will enter dvd/game disk information.</p> <p>6.6.1.v. System will check database if item is available.</p> <p>6.2.1.iv. If item is available, user will enter the Reservation info and item status.</p> <p>6.6.1.vi. User will click "Reserve" button.</p> <p>6.6.1.vii System will save from database.</p> <p>6.6.2. If user selects Cancel Reservation.</p> <p>6.5.2.i. User will enter costumer information.</p> <p>6.5.2.ii. User will click "Search" button.</p> <p>6.5.2.iii. System will check database for a match.</p> <p>6.5.2.iv. User will click "Cancel Reservation" button.</p> <p>6.5.2.v. System will save from database.</p> <p>6.7. View Reports.</p> <p>6.7.1 If user is Clerk, system will disable this function.</p> <p>6.7.2. if user selects Costumer Report</p> <p>6.7.1.i. System will display reports.</p> <p>6.7.3. If user selects Title Report.</p> <p>6.7.2.i. System will display reports.</p> <p>6.8. Manage Inventory.</p> <p>6.8.1 If user is Clerk, system will disable this function.</p>
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	<p>6.8.2. If user selects Add Items</p> <p>6.8.2.i. User will enter item information.</p> <p>6.8.2.ii. User will click “Add” button.</p> <p>6..8.2.iii System will save from database.</p> <p>6.8.3. if user selects Delete Items.</p> <p>6.8.3.i. User will enter item information.</p> <p>6.8.3.ii. User will click “Search” button.</p> <p>6.8.3.iii. System will check database for a match.</p> <p>6.8.3.iv. If item found, user will click “Delete” button.</p> <p>6.8.3.v. System will save from database</p> <p>7. User will Log-out.</p> <p>8. System will destroy session.</p>
Alternative Flow	<p>2a. Invalid Username and Password.</p> <p>2a.1. System displays error message invalid username and password.</p> <p>6.1.1.1.iiia. If item does not exist.</p> <p>6.1.1.1.iiia.1. System displays error message item not found and user Will try again.</p> <p>6.1.1.2.iiia. If item does not exist.</p> <p>6.1.1.2.iiia.1. System displays error message item not found and user Will try again.</p> <p>6.2.2.iiia. If item does not exist.</p> <p>6.2.2.iiia.1. System displays error message item not found and user Will try again.</p> <p>6.2.3.iiia. If item does not exist.</p> <p>6.2.3.iiia.1. System displays error message item not found and user Will try again.</p> <p>6.3.2.iiia. If costumer does not exist.</p> <p>6.3.2.iiia.1. System displays error message costumer not found and user will try again.</p> <p>6.3.3.iva. If costumer does not exist.</p> <p>6.3.3.iva.1. System displays error message costumer not found and user will try again.</p> <p>6.4.1.iiia. If costumer does not exist.</p> <p>6.4.1.iiia.1. System displays error message costumer not found and user will try again.</p> <p>6.4.1.va. If item does not exist.</p> <p>6.4.1.va.1. System displays error message item not found and user Will try again.</p>

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	<p>6.4.2.ii.a. If item does not exist.</p> <p>6.4.2.ii.a.1. System displays error message item not found and user Will try again.</p> <p>6.5.1.iii.a. If costumer does not exist.</p> <p>6.5.1.iii.a.1. System displays error message costumer not found and user will try again.</p> <p>6.5.2.iv.a. If costumer does not exist.</p> <p>6.5.2.iv.a.1. System displays error message costumer not found and user will try again.</p> <p>6.6.1.ii.a. If costumer does not exist.</p> <p>6.6.1.ii.a.1. System displays error message costumer not found and user will try again.</p> <p>6.6.1.va. If item does not exist.</p> <p>6.6.1.va.1. System displays error message item not found and user Will try again.</p> <p>6.6.1.iii.a. If costumer does not exist.</p> <p>6.6.1.iii.a.1. System displays error message costumer not found and user will try again.</p> <p>6.6.2.ii.a. If costumer does not exist.</p> <p>6.6.2.ii.a.1. System displays error message costumer not found and user will try again.</p> <p>6.8.3.iii.a. If item does not exist.</p> <p>6.8.3.iii.a.1. System displays error message item not found and user Will try again</p>
Post-conditions	NA
Status	ON-GOING
Priority	HIGH