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| **#1 – Exit the application** | |
| Actor | System |
| 1. The clerk/manager closes the shop for the night and requests to shut down the system. |  |
|  | 1. The system prompts for confirmation |
| 1. The clerk/manager confirms/denies. |  |
|  | 1. The system saves the data to disk |
|  | 1. The system informs user of success saving data |
|  | 1. Close program |

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| **#2 – Add a client** | |
| Actor | System |
| 1. The client speaks with a manager to be included in a future lineup to perform at the theatre. |  |
| 1. The manager requests to add a new client into the system |  |
|  | 1. The system asks for name, address, and phone number of the client. |
| 1. The manager adds the information for the client into the system. |  |
|  | 1. The system processes the data. - If the client can be added, then a unique id is created with a balance of 0; information is stored. If the client cannot be added, go to step 3 and show reason. |

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| **#3 – Remove client** | |
| Actor | System |
| 1. The client is disbanding their group and will no longer be performing for the foreseeable future and thanks the manager. |  |
| 1. The manager requests to remove a client from the system |  |
|  | 1. The system asks which client ID to remove. |
| 1. The manager adds required information. |  |
|  | 1. The system verifies that id exists, checks if the client is scheduled for a show for the current of future date. If yes, system display error message stating that client cannot be removed and goes to Step 3. Otherwise, system prompts administrator to confirm intended action |
| 1. The manager confirms/denies |  |
|  | 1. If confirmed, client is removed and shows success of removal. |

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| **#4 – List all clients.** | |
| Actor | System |
| 1. The manager is looking to see how many clients they currently have performing at their theatre and requests the information from the system. |  |
|  | 1. The system shows all the clients stored. |

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| **#5 – Add customer** | |
| Actor | System |
| 1. A first-time customer is interested in viewing a show. |  |
| 1. The clerk asks the system to add a new customer into the system. |  |
|  | 1. The system requests for a name, address, phone number, and a credit card (number and expiration). |
| 1. The clerk asks the customer and enters in the information into the system. |  |
|  | 1. The system processes the data. - If successful, the system displays a success to the clerk. Otherwise, go to step 3. |

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| **#6 – Remove customer** | |
| Actor | System |
| 1. The manager finds stale customer information in the system and requests to remove a customer from the system. |  |
|  | 1. The system requests an ID for the customer to be removed. |
| 1. The manager fills out the required information. |  |
|  | 1. The system shows the customer information. - If the ID is found, the system prompts the user to confirm the removal. Otherwise a warning is shown to say the customer is not found, go to step 2. |
| 1. The manager confirms/denies. |  |
|  | 1. The system processes the information. - If confirmed, the system removes the customer and shows success. Otherwise, go to step 2 and show a failure. |

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| **#7 – Add a credit card** | |
| Actor | System |
| 1. The customer is looking to see a show but wants to use a different credit card. |  |
| 1. The clerk requests the system to add a credit card. |  |
|  | 1. The system asks for the customer id. |
| 1. The clerk enters the customer id |  |
|  | 1. The system does a lookup for the customer. - If customer found, asks for credit card (number, expiration). Otherwise go to step 3. |
|  | 1. Request user for credit card number and expiration date. |
| 1. The clerk asks the customer for the new credit card and enters the information into the system. |  |
|  | 1. The system processes the data. - If the credit card is valid and not a duplicate, the credit card information is saved for the customer and a success is shown to the clerk. Otherwise show a specific error and go to step 6. |
| 1. The clerk gives back the credit card. |  |

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| **#8 – Remove a credit card** | |
| Actor | System |
| 1. The customer is looking to remove a credit card from their membership. |  |
| 1. The clerk requests the system to remove a credit card. |  |
|  | 1. Requests for member id of the customer |
| 1. Clerk enters in member id |  |
|  | 1. The system does a lookup for the customer. - If customer found, asks for credit card (number, expiration). Otherwise go to step 3. |
|  | 1. The system asks for the credit card to be removed. |
| 1. The clerk is given the credit card from the customer and enters the credit card information in. |  |
|  | 1. The system processes the data. - If the credit card is found and not the last credit card for the customer, it is removed, and the user is shown a success. Otherwise show an error and go to step 6. |

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| **#9 – List all customers** | |
| Actor | System |
| The clerk/manager wants to look up all of their customers and requests the system. |  |
|  | The system shows the user all the customers stored with all their information. |

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| **#10 – Add a show** | |
| Actor | System |
| 1. The client asks to perform for a specific date range. |  |
| 1. The manager requests the system to add a show. |  |
|  | 1. The system asks for the client id and a date range. |
| 1. The manager confirms with the client the date range and enters the data into the system. |  |
|  | 1. The system processes the data. - If there would be an overlap of a show in the range given, show an error and go to step 3. Otherwise, show a success. |

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| **#11 – List all shows** | |
| Actor | System |
| 1. The clerk/manager wants to see all the shows they have and requests the system. |  |
|  | 1. The system shows all the shows with their dates. |

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| **#12 – Store Data** | |
| Actor | System |
| 1. The clerk/manager requests the system to save the data captured today. |  |
|  | 1. Asks administrator where to store data. |
| 1. Clerk/manager chooses a disk location |  |
|  | 1. System stores all data on disk |

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| **#13 – Retrieve Data** | |
| Actor | System |
| 1. The clerk/manager requests to retrieve data to the system. |  |
|  | 1. If system finds data, the system loads found data and goes to step 6. Otherwise, system requests location of data. |
| 1. Clerk/manager picks location of data |  |
|  | 1. The system attempts to find previous stored data, if not found go to step 2. |
|  | 1. System starts |

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| **#14 – Help** | |
| Actor | System |
| 1. The clerk/manager requests to show information on how to use the system. |  |
|  | 1. The system shows information on how to use the system. |