|  |  |
| --- | --- |
| **User Actions** | **System Response** |
| 1. User enters their name, address and phone number |  |
|  | 1. Creates a new unique ID for the client, sets the balance to 0, and stores them in a list |

Add Client

Remove Client

|  |  |
| --- | --- |
| **User Actions** | **System Response** |
| 1. User enters client ID to be removed. |  |
|  | 1. Verify that the ID exists. If not, prompt user for correct client ID and go back to step 1   Check to make sure the client in question does not have a current or future show scheduled. If so, alert the user that the client can not be removed for this reason. |

List all Clients

|  |  |
| --- | --- |
| **User Actions** | **System Response** |
| 1. Users selects option to list every client |  |
|  | 1. System loops and prints all clients in the list |

Add customer

|  |  |
| --- | --- |
| **User Actions** | **System Response** |
| 1. User enters the name, address, phone number |  |
|  | 1. Saves the customer details temporarily and prompts for a credit card entry |
| 1. User enters the number and expiry date of exactly one credit |  |
|  | 1. Verifies that the credit card is not already on file with another customer. If it already exists on file, alert the user and go back to step 3   Create a unique customer ID and store the customer |

Remove customer

Use-Case Chart

|  |  |
| --- | --- |
| Actions performed by Actors | System Response |
| 1. Customer requests account deletion |  |
| 1. Clerk issues request to remove customer by pressing “5” in the command GUI |  |
|  | 1. System asks for Customer ID |
| 1. Clerk asks Customer for ID |  |
| 1. Customer gives Clerk ID |  |
| 1. Clerk inputs Customer ID |  |
|  | 1. System verifies Customer ID. Displays customer was found. Otherwise, displays customer was not found and exits. |
|  | 1. System proceeds to delete all information related to Customer ID (name, address, phone number, number and expiry date of all credit cards). It displays that the customer was successfully deleted. |

Add Credit Card

Use-Case Chart

|  |  |
| --- | --- |
| Actions Performed by Actor | System Response |
| 1. Customer requests to add a credit card to account |  |
| 1. Clerk issues request to add a credit card by pressing “6” into the command GUI |  |
|  | 1. System requests for Customer ID |
| 1. Clerk inputs Customer ID |  |
|  | 1. System verifies Customer ID. Displays customer was found. Otherwise, displays customer was not found and exits. |
|  | 1. System requests for credit card number and expiry date. |
| 1. Clerk inputs credit card number and expiry date. |  |
|  | 1. System attaches credit card information to the customer ID. It displays that the card was successfully added. |

Remove Credit Card

Use-Case Chart

|  |  |
| --- | --- |
| Actions performed by Actors | System Response |
| 1. Customer requests credit card deletion |  |
| 1. Clerk issues request to remove credit card by pressing “7” in the command GUI |  |
|  | 1. System asks for credit card number |
| 1. Clerk inputs credit card number |  |
|  | 1. System verifies if it has the credit card. It displays credit card found. Otherwise, displays credit card not found and exits. |
|  | 1. System verifies if the credit card attached to the Customer ID is the only one or one of many credit cards. All information related about the credit card is deleted, and displays credit card was removed if there are more than one credit card associated with the Customer ID. Otherwise, it displays failed to delete credit card due to it being the only credit card associated with the Customer ID. |

List Customers

Use-Case Chart

|  |  |
| --- | --- |
| Actions performed by Actors | System Response |
| 1. Customer asks if they have an account in the system |  |
| 1. Clerk issues request to list all customers by pressing “8” in the command GUI |  |
|  | 1. System finds all customer ID’s, and print every information associated to the ID |
| 1. Clerk finds if the customer exists in the list |  |

Help

Use-Case Chart

|  |  |
| --- | --- |
| Actions performed by Actor | System Response |
| 1. Clerk unsure of usage on each command and requests help by pressing “13” into system |  |
|  | 1. System displays in detail what each command does |