Troy Novak & Joshua Zierman

Rohit Tandon

ICS 372

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# Use Case Tables

## Sell Regular Ticket

|  |  |
| --- | --- |
| Requests to sell a regular ticket |  |
|  | Asks for qty of tickets to sell |
| Gives a number |  |
|  | Asks for the customer id of the buyer |
| Gives the id |  |
|  | Asks for the credit card number to use |
| Gives a credit card number |  |
|  | Asks for the date of the showing |
| Gives a date |  |
|  | If there are no conflicts sells the tickets to the customer and adds half the price of the ticket to the balance of the client who is performing the play. |
|  | Shows success message if successful. If not, show an error message and asks if they would like to try again. |
| If shown an error message and asked if the user wants to try again, the user answers yes or no. |  |
|  | If yes skip back to the step that asks for qty of tickets to sell |

## Sell Advance Ticket

|  |  |
| --- | --- |
| Requests to sell an advance ticket |  |
|  | Asks for qty of tickets to sell |
| Gives a number |  |
|  | Asks for the customer id of the buyer |
| Gives the id |  |
|  | Asks for the credit card number to use |
| Gives a credit card number |  |
|  | Asks for the date of the showing |
| Gives a date |  |
|  | If there are no conflicts sells the tickets to the customer and adds half the price of the ticket to the balance of the client who is performing the play. |
|  | Shows success message if successful. If not, show an error message and asks if they would like to try again. |
| If shown an error message and asked if the user wants to try again, the user answers yes or no. |  |
|  | If yes skip back to the step that asks for qty of tickets to sell |

## Sell Student Advance Ticket

|  |  |
| --- | --- |
| Requests to sell a student advance ticket |  |
|  | Asks for qty of tickets to sell |
| Gives a number |  |
|  | Asks for the customer id of the buyer |
| Gives the id |  |
|  | Asks for the credit card number to use |
| Gives a credit card number |  |
|  | Asks for the date of the showing |
| Gives a date |  |
|  | If there are no conflicts sells the tickets to the customer and adds half the price of the ticket to the balance of the client who is performing the play. |
|  | Shows success message if successful. If not, show an error message and asks if they would like to try again. |
| If shown an error message and asked if the user wants to try again, the user answers yes or no. |  |
|  | If yes skip back to the step that asks for qty of tickets to sell |

## Pay Client

|  |  |
| --- | --- |
| Requests to pay a client |  |
|  | Asks for client’s ID |
| Gives the ID |  |
|  | Outputs the client’s current balance and asks for amount of payment. |
| Gives amount to be paid |  |
|  | If there are no conflicts pays client and subtracts amount from client’s balance |
|  | Shows success message if successful. If not, show an error message and asks if they would like to try again |
| If shown an error message, user answers yes or no when asked to try again. |  |
|  | If yes, goes back to step asking for client’s ID. |

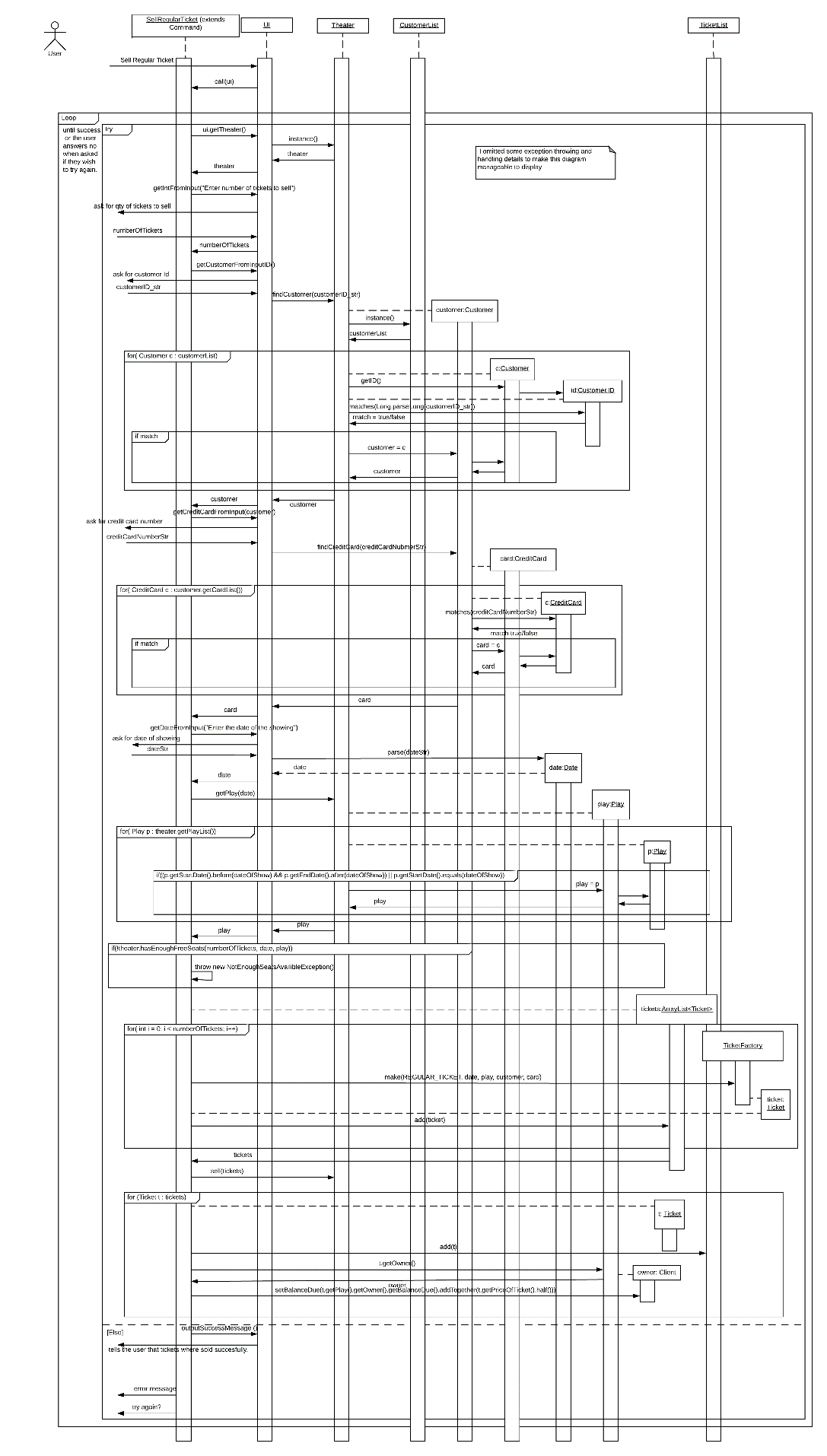
## Print all Tickets for a Certain Day

|  |  |
| --- | --- |
| Requests to print all tickets sold for a certain date |  |
|  | Asks for desired date |
| Gives date |  |
|  | If there are no conflicts outputs a list of all ticket information for tickets already sold for requested date. |
|  | Shows success message if successful. If not, shows an error message and asks if they would like to try again |
| If shown an error message, user answers yes or no when asked to try again. |  |
|  | If yes, goes back to |
|  |  |

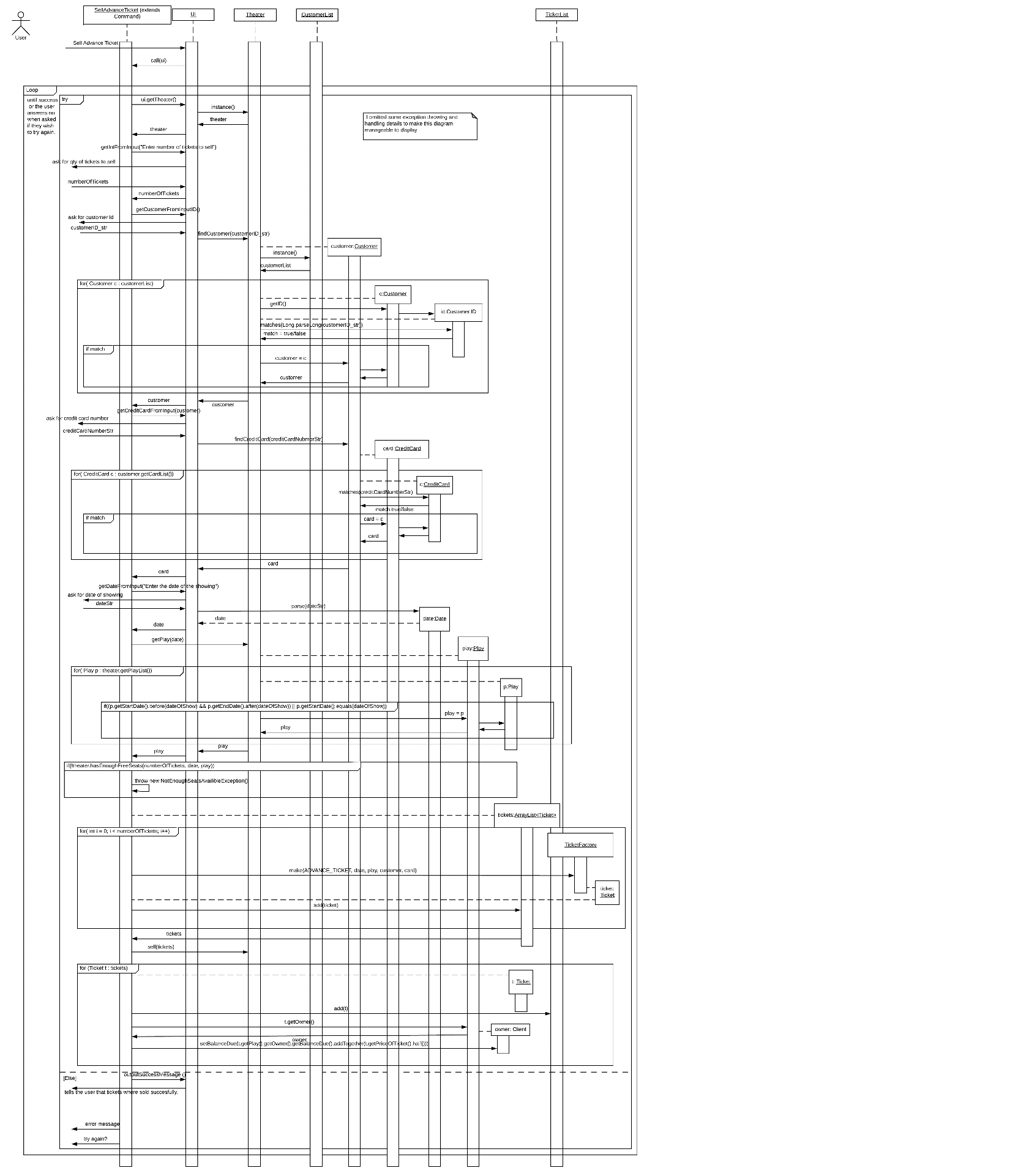
# Sequence Diagrams

*[this page was left blank to give as much space as possible for the diagram]*

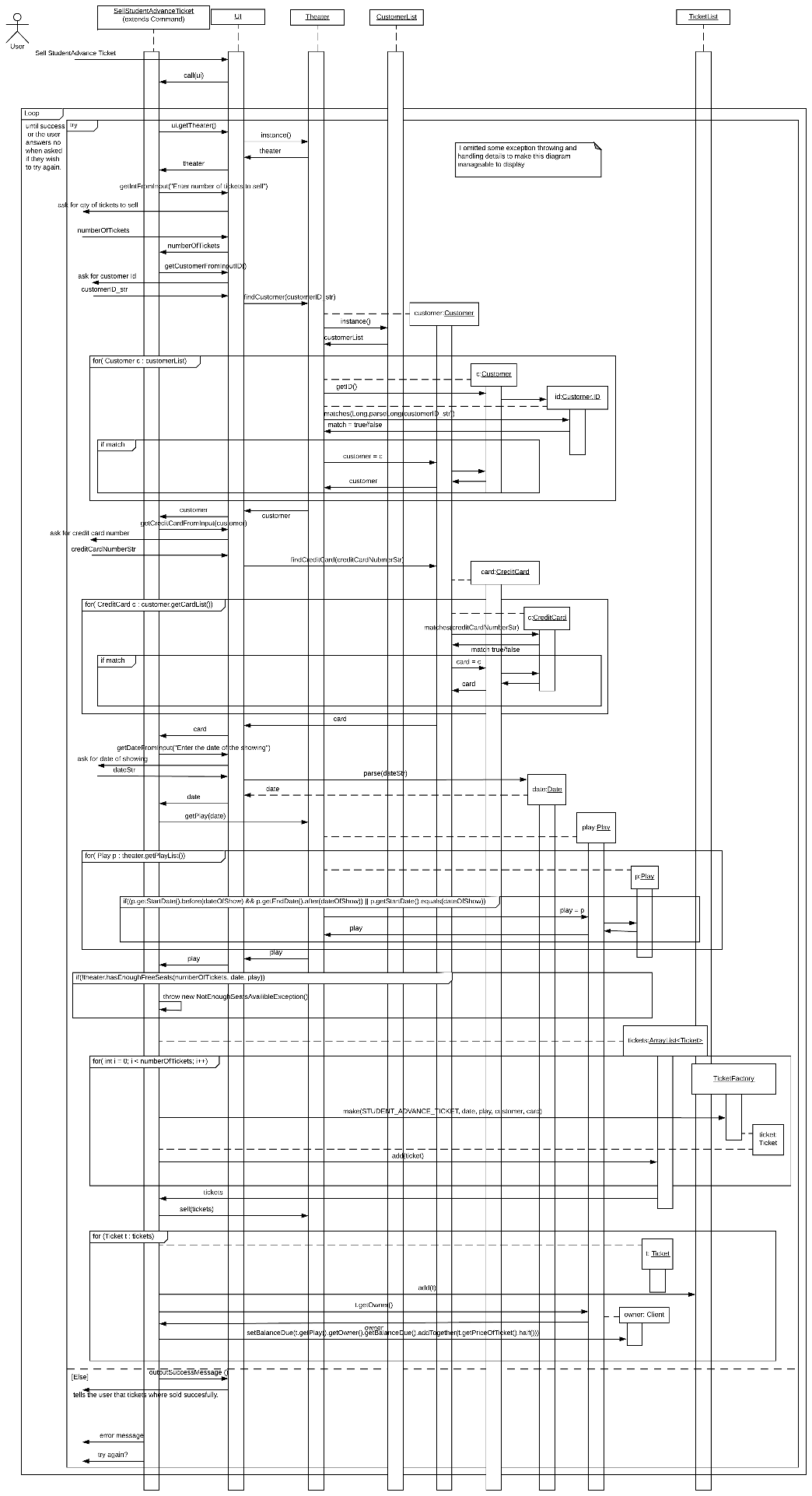
## Sell Regular Ticket



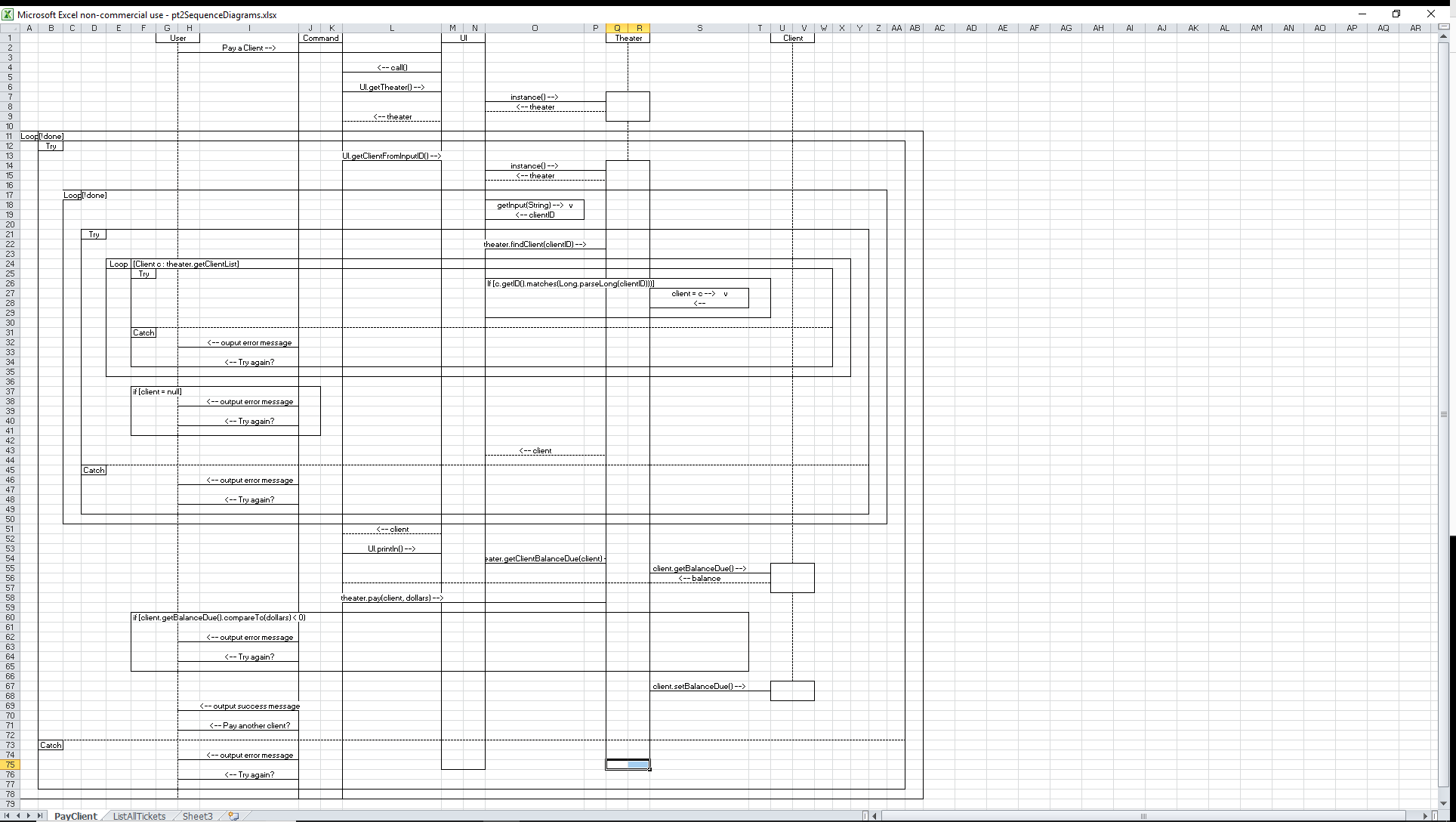
## Sell Advance Ticket



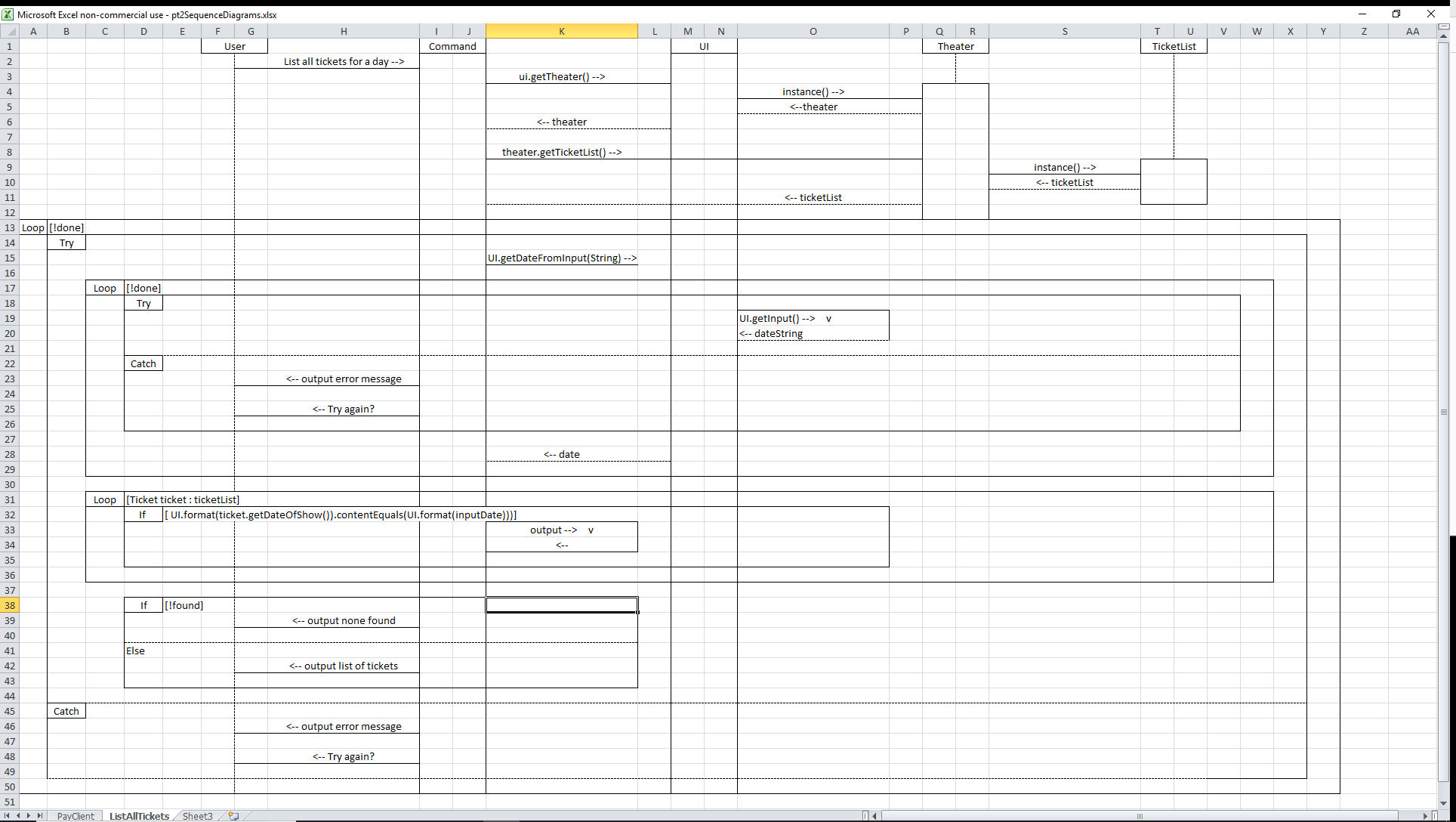
## Sell Student Advance Ticket



Pay Client

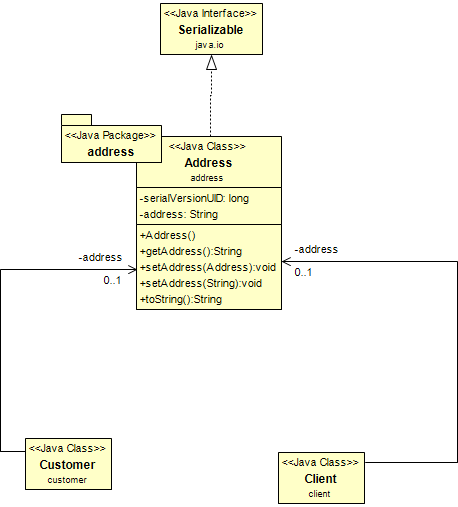


List All Tickets for a Day

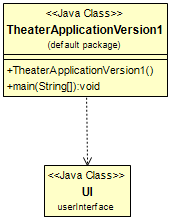


# Class Diagrams

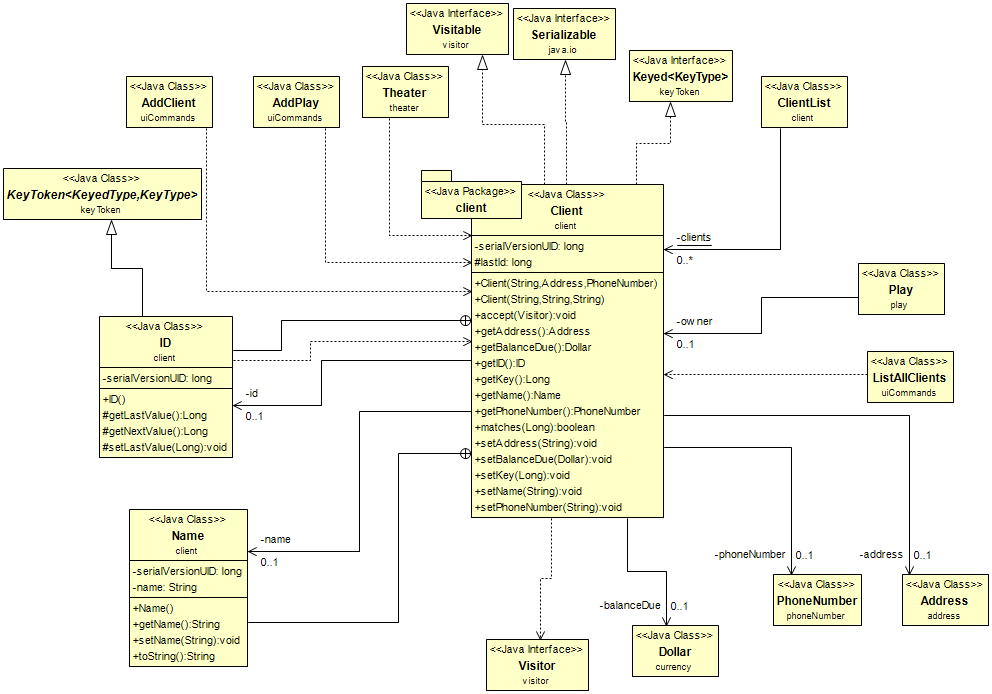
## Address



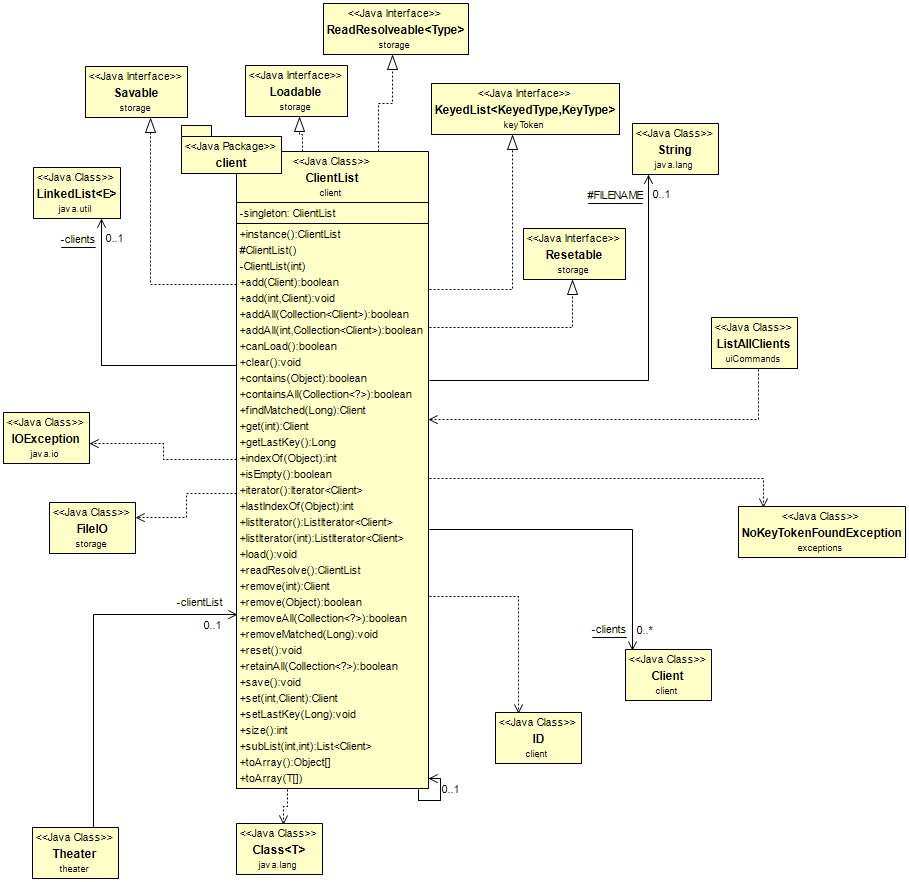
## Application



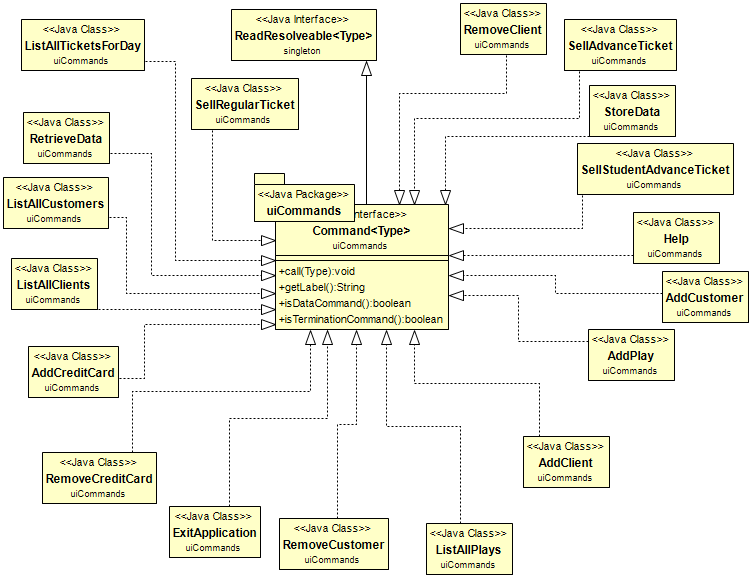
## Client



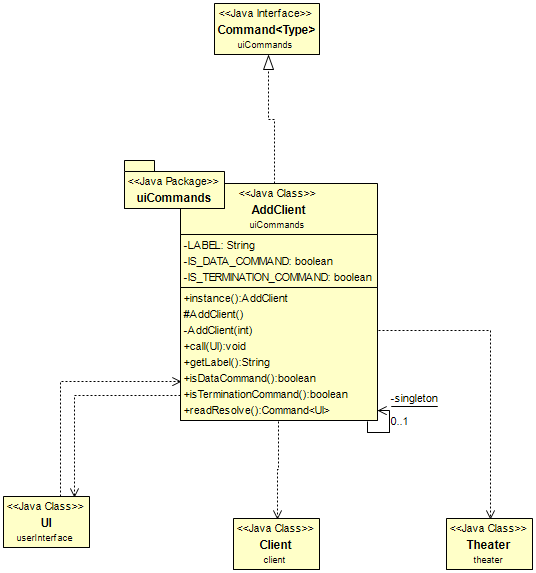
## ClientList



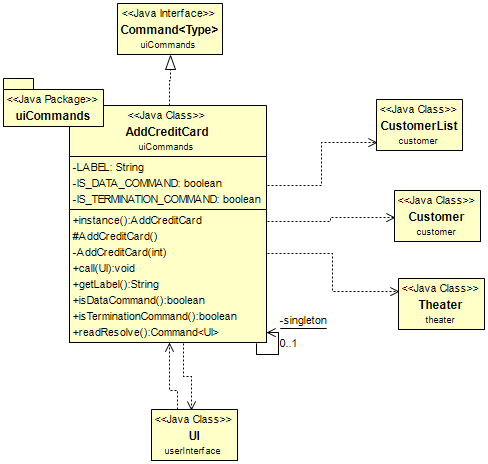
## Command



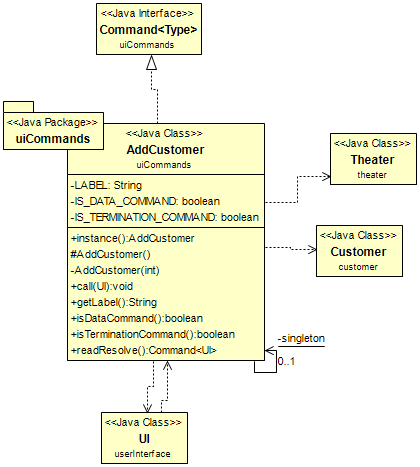
### Command: AddClient



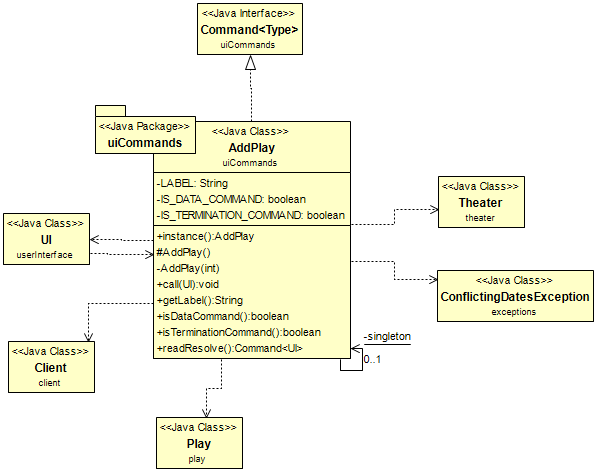
### Command: AddCreditCard



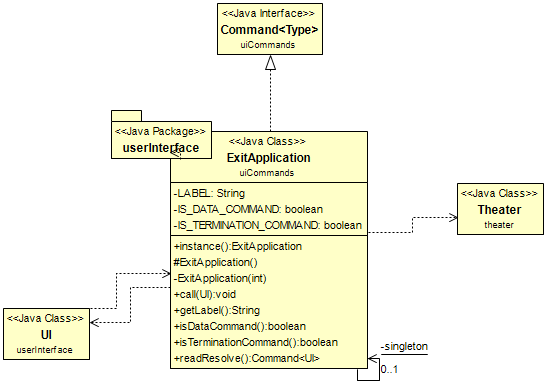
### Command: AddCustomer



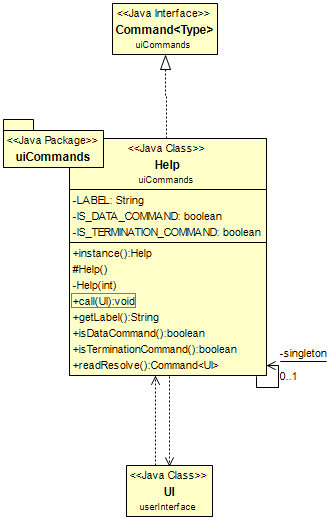
### Command: addPlay



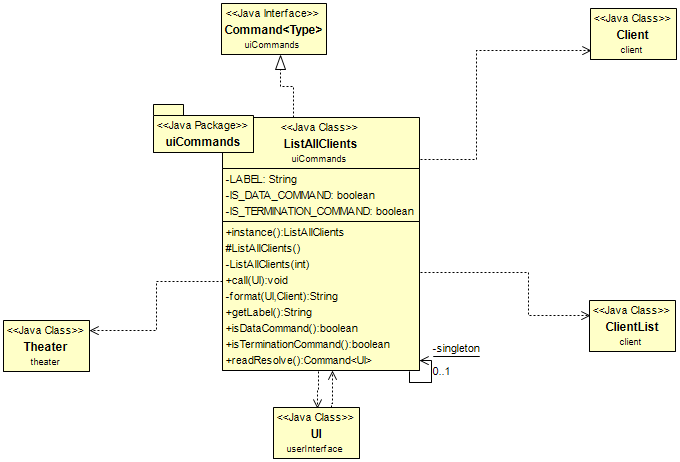
### Command: ExitApplication



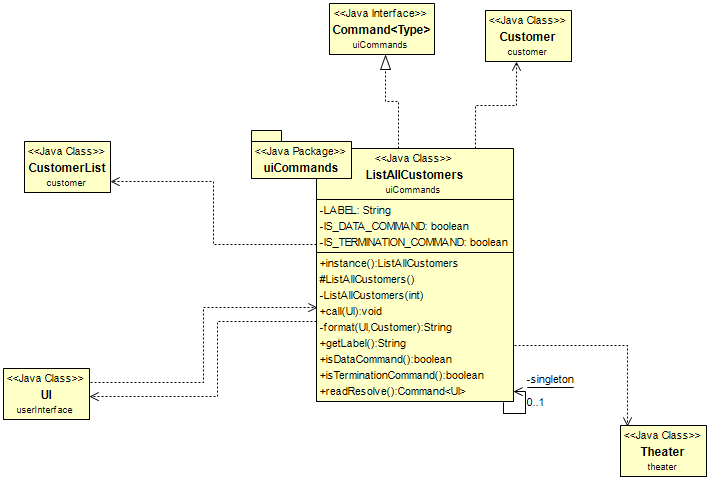
### Command: Help



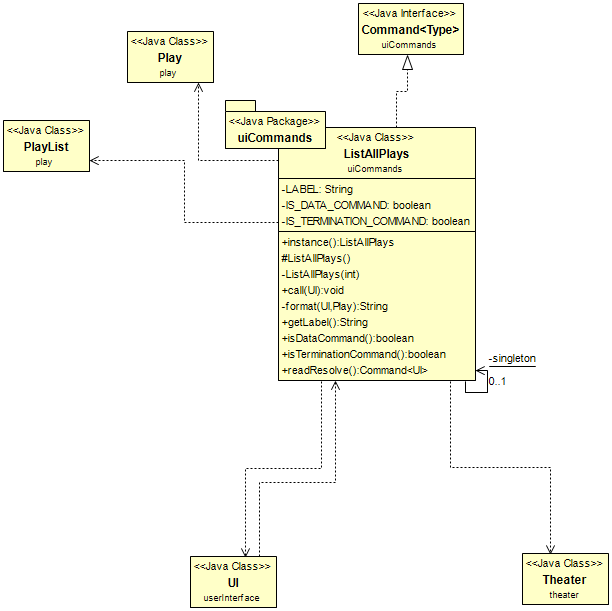
### Command: ListAllClients



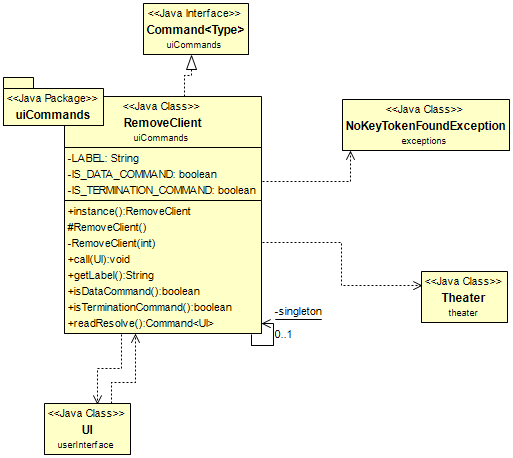
### Command: ListAllCustomers



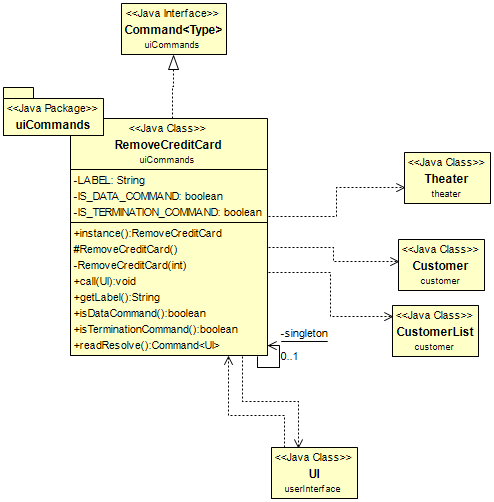
### Command: ListAllPlays



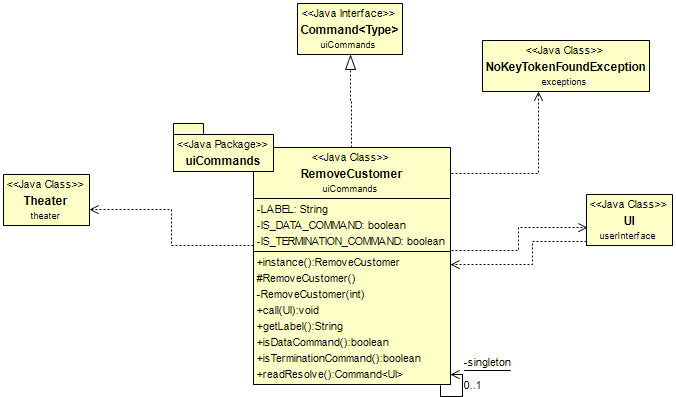
### Command: RemoveClient



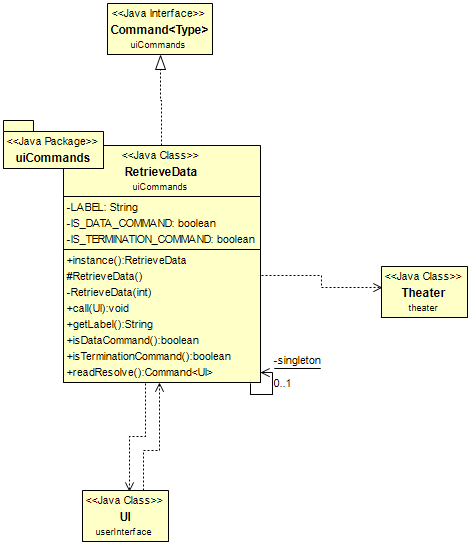
### Command: RemoveCreditCard



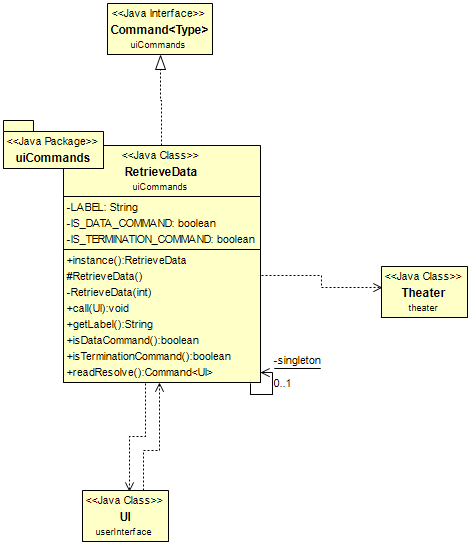
### Command: RemoveCustomer



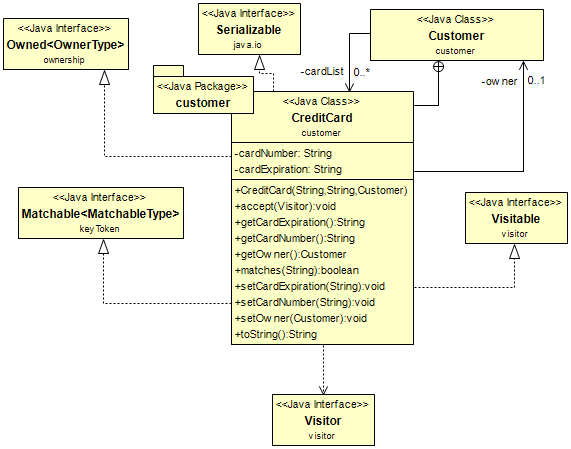
### Command: RetrieveData



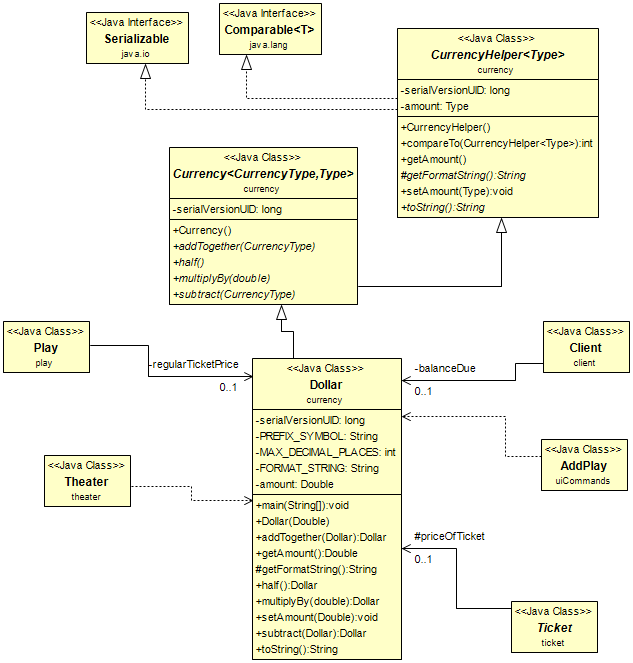
### Command: StoreData



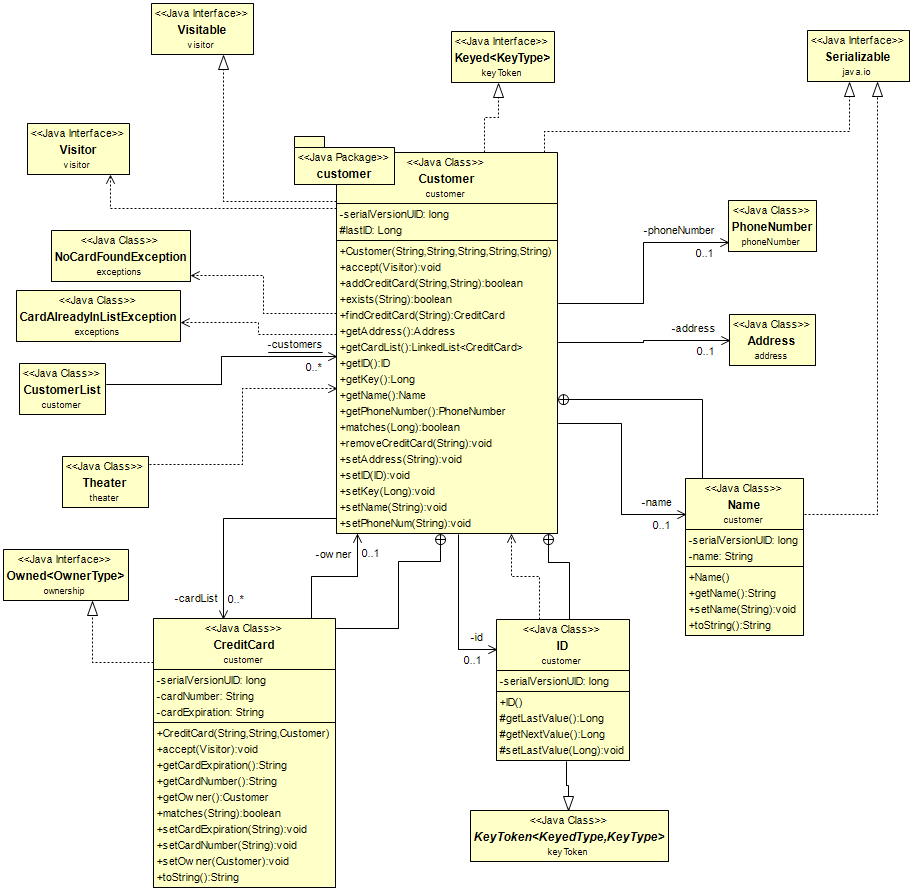
## CreditCard



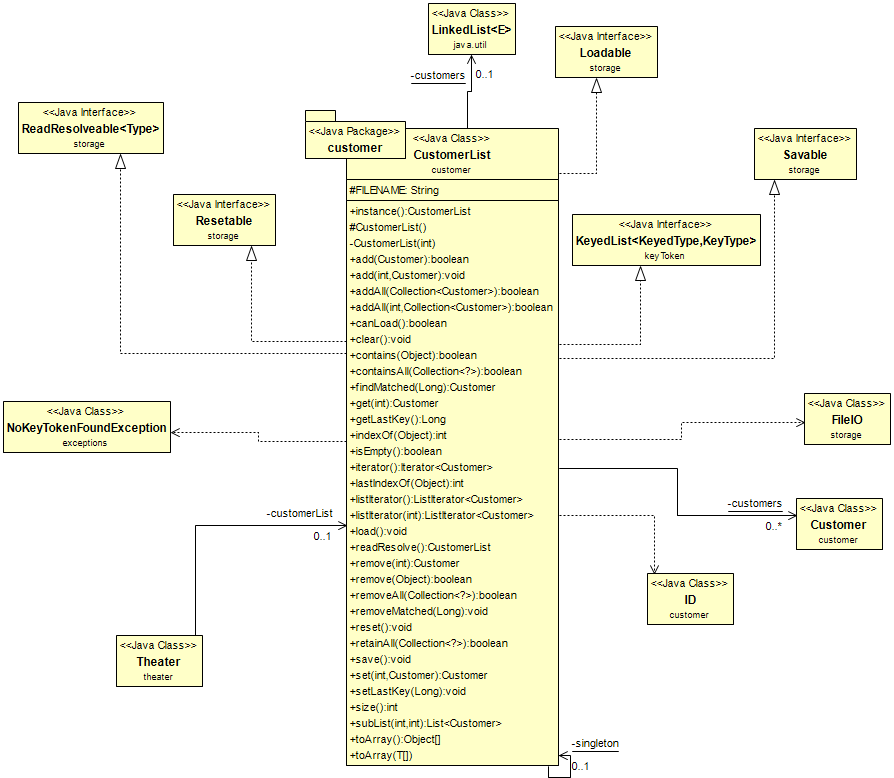
## Currency



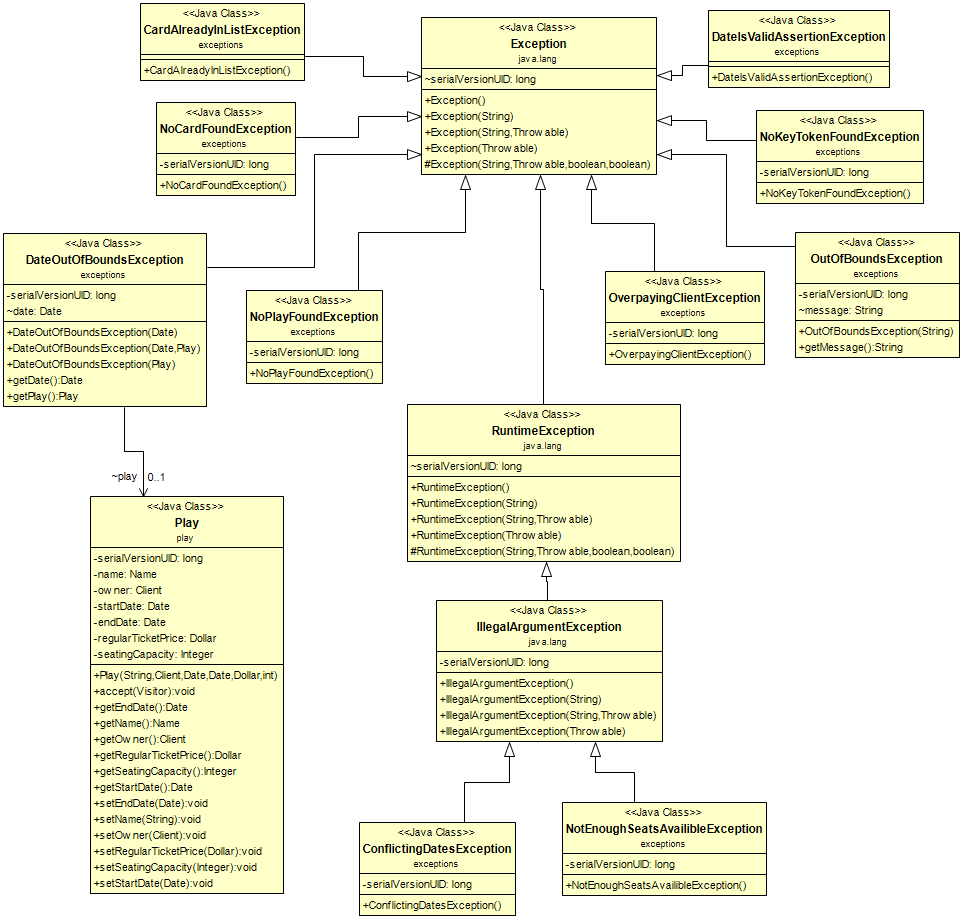
## Customer



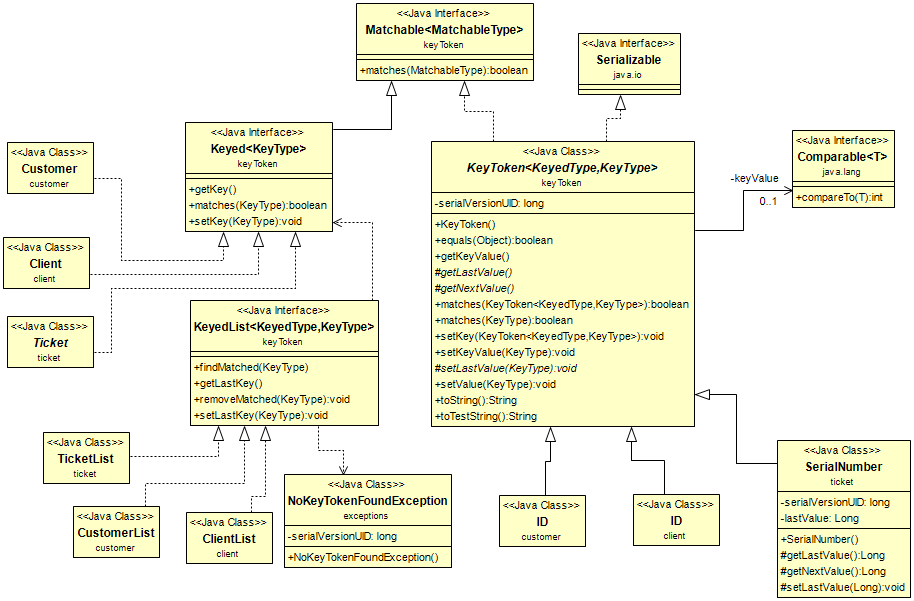
## CustomerList



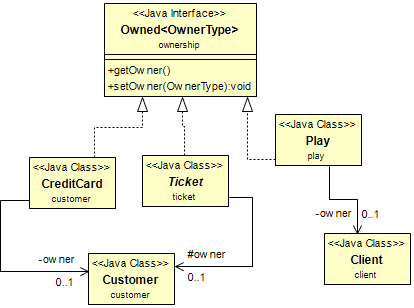
## Exceptions



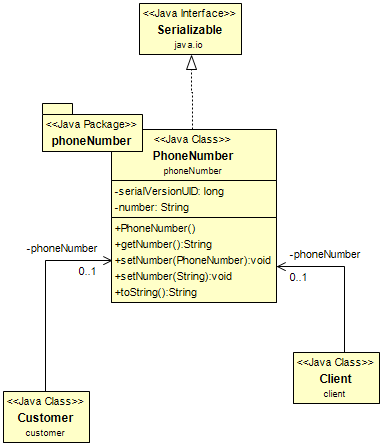
## KeyTokens



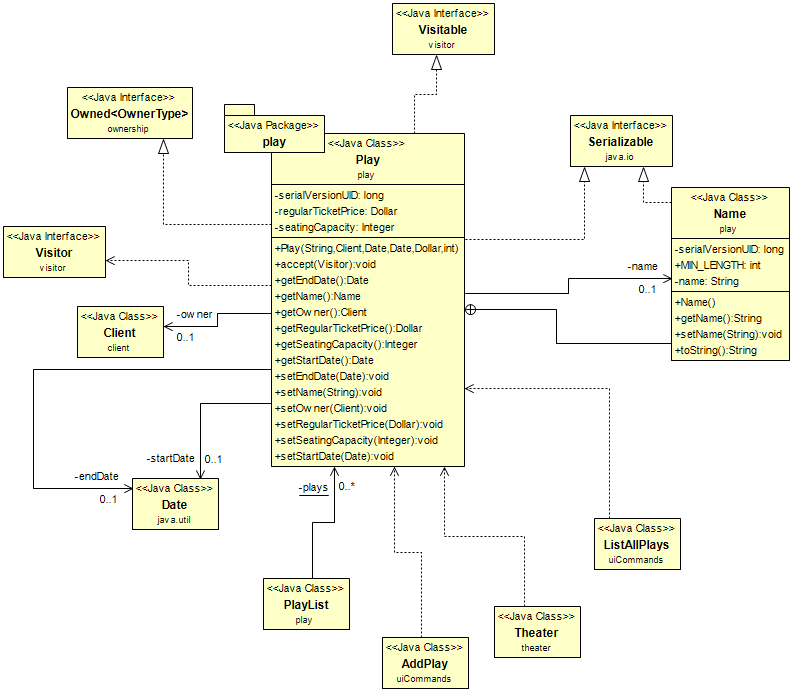
## Ownership



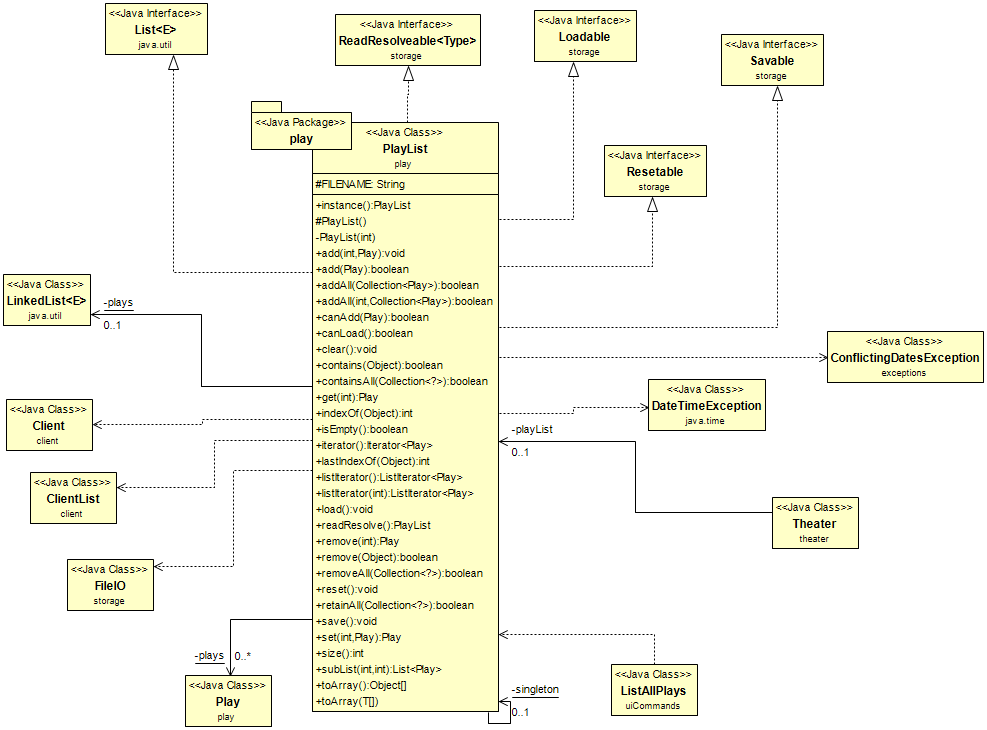
## PhoneNumber



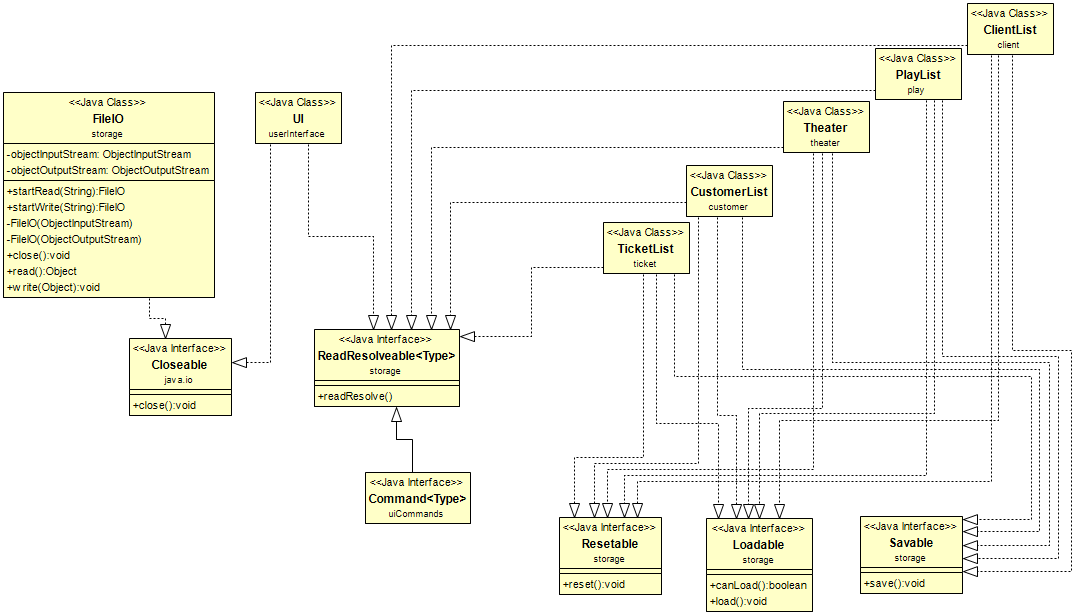
## Play



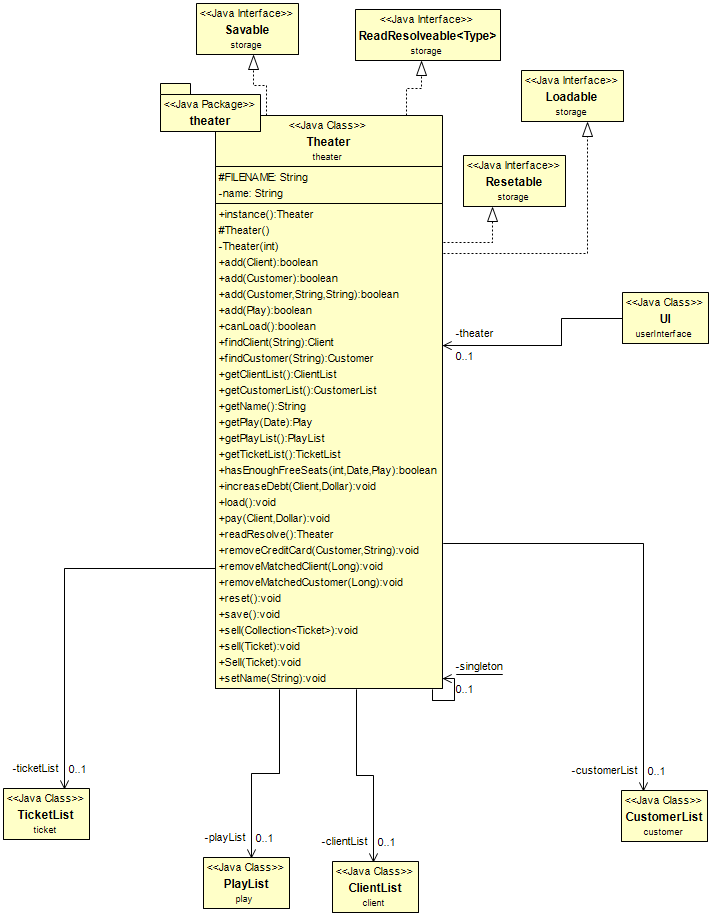
## PlayList



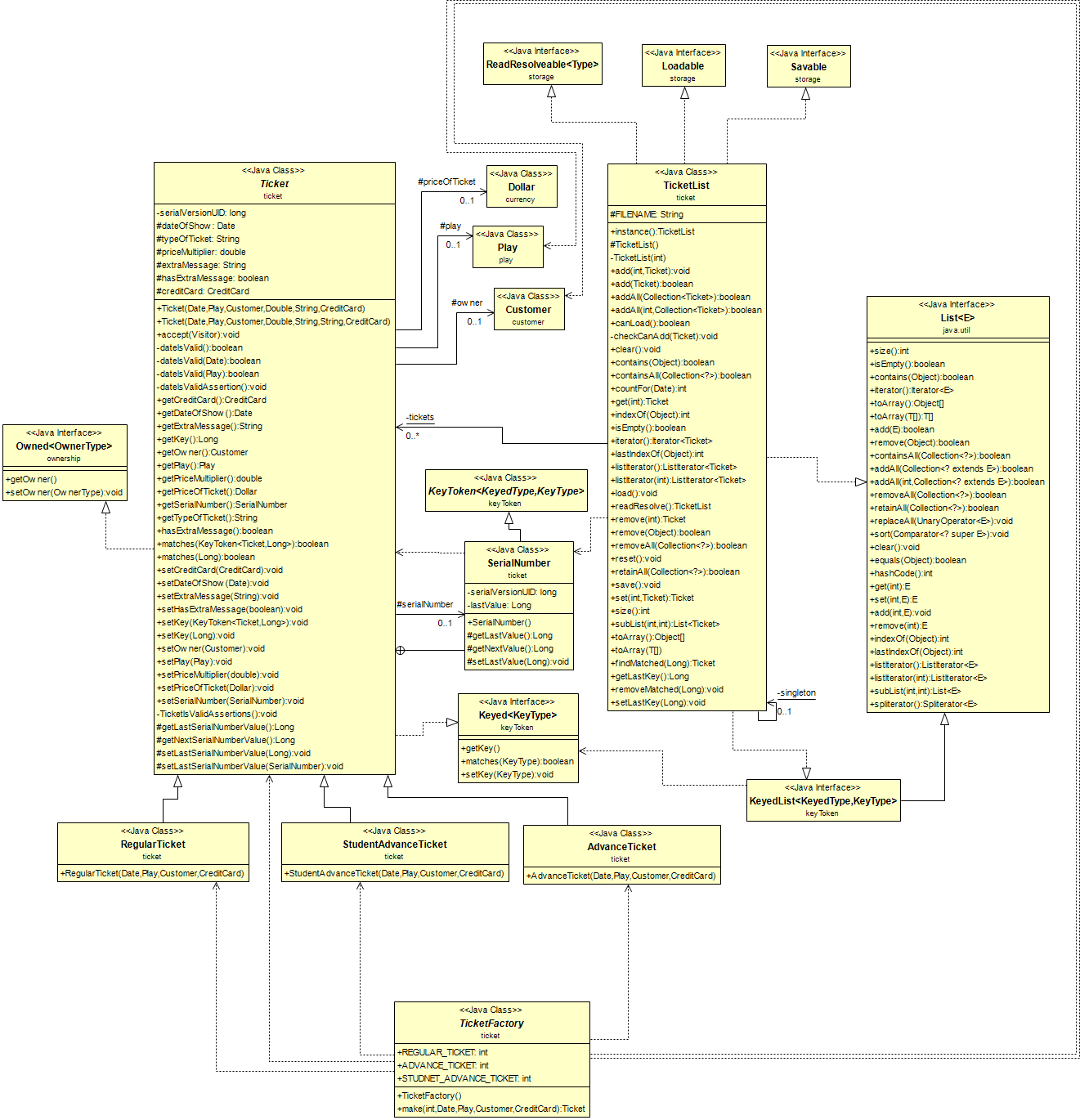
## Storage



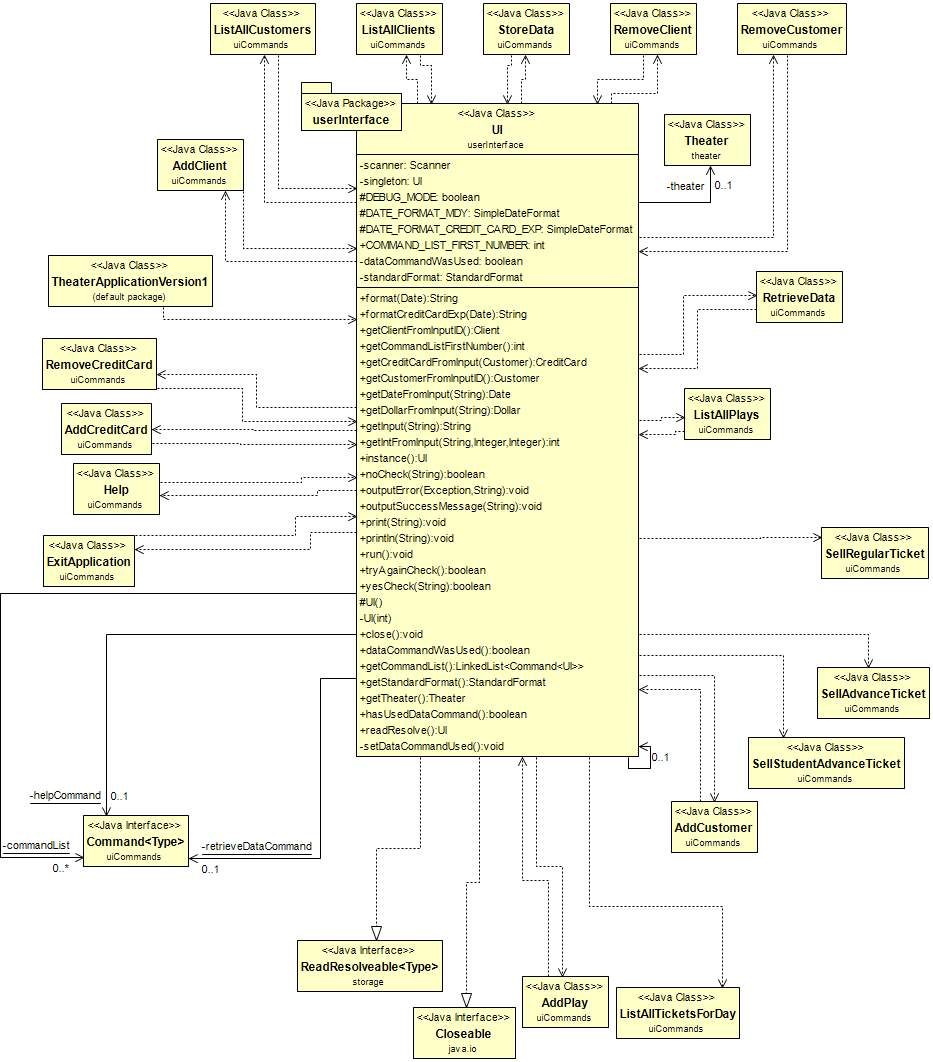
## Theater



## Tickets



## UserInterface



## Visiting

