**Classes:**

* **Customer**
* **Travel Agent**
* **Journey**
* **Time**

**Objects:**

|  |  |  |
| --- | --- | --- |
| ***Class:*** | ***Objects:*** | ***Name:*** |
| **Customer** | **customer** | **customer1** |
| **Travel Agent** | **Travel Agent** | **agent** |
| **Journey** | **First Flight** | **flight1** |
|  | **Second Flight** | **flight2** |
| **Time** | **Departure Time** | **depTime** |
|  | **Arrival Time** | **arrTime** |
|  | **Flight Time** | **flightTime** |
|  | **Journey Time** | **totalFlightTime** |

**Members:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Class:*** | ***Member:*** | ***Name:*** | ***Data Type:*** |
| **Customer** | **Customer Name** | **fullname** | **string** |
|  | **Customer First Name** | **firstname** | **string** |
|  | **Customer Address Line 1** | **address1** | **string** |
|  | **Customer Address Line 2** | **address2** | **string** |
|  | **Customer Address Line 3** | **address3** | **string** |
| **Travel Agent** | **Number of Flights that day** | **flightCounter** | **unsigned short** |
|  | **Total Cost of Journey** | **journeyCost** | **float** |
|  | **Total Cost of Flights that day** | **totalFlightCost** | **float** |
|  | **Travel Agent’s Commission** | **commission** | **float** |
|  | **Exit option** | **done** | **boolean** |
| **Journey** | **Departure Airport** | **depAirport** | **string** |
|  | **Departure Date** | **depDate** | **string** |
|  | **Arrival Airport** | **arrAirport** | **string** |
|  | **Arrival Date** | **arrDate** | **string** |
|  | **Flight Cost** | **cost** | **float** |
| **Time** | **Time in Hours** | **hours** | **unsigned short** |
|  | **Time in Minutes** | **mins** | **unsigned short** |

**Methods:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Class:*** | ***Method:*** | ***Parameter List:*** | ***Return Type:*** |
| **Customer** | **Customer Constructor** | **-** | **Customer** |
|  | **printCustomer** | **-** | **void** |
|  | **printFirstname** | **-** | **void** |
|  | **getCustomerDetails** | **-** | **void** |
|  |  |  |  |
| **Travel Agent** | **outputMenu** | **-** | **unsigned short** |
|  | **printLetter** | **-** | **void** |
|  | **genReport** | **-** | **void** |
|  | **quit** | **-** | **bool** |
|  | **exit** | **-** | **void** |
|  |  |  |  |
| **Journey** | **Journey Constructor** | **-** | **Journey** |
|  | **getFlightDetails** | **-** | **void** |
|  | **printTickets** | **-** | **void** |
|  |  |  |  |
| **Time** | **Time Constructor** | **-** | **Time** |
|  | **Time Constructor** | **unsigned short h**  **unsigned short m** | **Time** |
|  | **Overload - Operator** | **Time temp** | **Time** |
|  | **Overload + Operator** | **Time temp2** | **Time** |
|  | **getFlightTime** | **-** | **void** |
|  |  |  |  |