

## **Description of Classes (Project No.9 Flight Booking)**

**Flight:** this class represents the flight which was offered by the system, it must have an id, price, duration date, and the maximum number of tickets.

**Ticket:** this class represents the ticket of a flight which the customer books and it must have an id.

**Customer:** this class represents the customer or the user of the system who searches for flights and books a ticket, the customer must have a credit card.

**LoggedIn:** This class represents the customer that has an account and is logged in to the system.

**Manager:** this class represents the manager or the admin of the system who can check for all financial records and manage employees/flights information, and add/edit/view job titles.

**Employee:** this class represents the employee who is employed and managed by the manager there are two “sub” classes of this class.

**HREmployee:** this class represents the employee who can view, add and edit employee’s information.

**FlightsManager:** this class represents the employee who can view, add and edit flight’s information.

**Bank:** this class represents the bank “an external system” which validates customer’s credit card and complete payment transactions

**CreditCard:** this class represents the credit card which must be held by the customer and validated by the bank.