## Customer Class

+cust_id: int
+cust_name: string
+cust_phone: int
+cust_email: string
+cust_username: string
-cust_password: string
+cust_address: string

+addCustomer()
+editCustomer()
+deleteCustomer()
+searchCustomer()

## Airline Login Class

-custID : String
-password : String
-loginStatus: String

+verifyLogin() : bool

## Booking Enquiry class

+ bookingEnquiry_id :int
+ bookingEnquiry_date: int
+ bookingEnquiry_type: string
+bookingEnquiry_description:
string

+ addBookingEnquiry()
+editBookingEnquiry()
+deleteBookingEnquiry()
+searchBookingEnquiry()

## Ticket Class

+ticketID: int
+ticketDescription: string
+ticket_date:  int
+ticket_flightnumber: int
+ticket_price: int
+ticket_customerId: int
+ticket_type: string
+ticket_JourneyDuration: int

+ addTicket)
+editTicket()
+deleteTicket()
+searchTicket()

## Airline Booking class

+BookingId: int
+BookingDate: int
+BookingDescription: string
+BookingType: string

+ addBooking()
+editBooking()
+deleteBooking()
+searchBooking()

1   0*   1   *

# Airline Reservation System

```
                          +-------------------------+
                          |       University        |
                          +-------------------------+
                          | + uname: string         |
                          +-------------------------+
                          |                         |
                          +-------------------------+
                                      | 1
                                      |
                                      | *
                          +-------------------------+
                    0..*  |       Department        |  1
                 +--------| + name: string          |----------------+
                 |        +-------------------------+  0..*           |
                 |        |                         |-----+          |
                 |        +-------------------------+     |          |
                 |                                        |          |
            0..* |                                   0..* |          |
   +-------------------------+            +-------------------------+ |
   |       Classroom         |            |         Office          | |
   +-------------------------+          1 +-------------------------+ |
   | +seats : int            |    +-------| +office id:  int        | |
   | +class id: int          |    |       +-------------------------+ |
   +-------------------------+    |       |                         | |
   |                         |    |       +-------------------------+ |
   +-------------------------+    |                                   |
                                  | 1                                 |
                        +-------------------------+                   |
                        |        Employee         |                   |
                        +-------------------------+                   |
                        | + emp id: int           |                   |
                        +-------------------------+                   |
                        |                         |                   |
                        +-------------------------+                   |
                        /                         \                   |
                       /                           \                  |
                      V                             V                 |
   +-------------------------+            +-------------------------+ |
   |       Instructor        |            |        Professor        | |
   +-------------------------+            +-------------------------+ |
   | + name : String         |            | + name : String         |_*_
   +-------------------------+            | +type : String          |
   |                         |            | (full , associate , Assistant
   +-------------------------+            +-------------------------+
                                          |                         |
                                          +-------------------------+
```

```
        ●
        │
        ▼
┌─────────────────────────┐
│       Applicant         │◄──────┐
└─────────────────────────┘       │
        │                         │
        ▼                         │
┌─────────────────────────┐       │
│ Application submits a    │       │
│ filed-out enrollment     │       │
│ form                     │       │
└─────────────────────────┘       │
        │                         │
        ▼                         │
┌─────────────────────────┐       │
│    Regular Inspects      │       │
└─────────────────────────┘       │
        │                         │ No
        ▼                         │
      ◇─────────────────◇         │
     ╱ Enrolment form    ╲────────┘
     ╲ filled properly   ╱
      ◇─────────────────◇
        │
        │ yes
        ▼
┌─────────────────────────┐
│ Register Informs student │
│ to attend overview       │
│ presentation             │
└─────────────────────────┘
        │
        ▼
┌─────────────────────────┐
│ Registrar helps student  │
│ to enroll in seminar     │
└─────────────────────────┘
        │
        ▼
┌─────────────────────────┐
│ Registrar asks the       │◄──────┐
│ student to pay tution    │       │
│ fees                     │       │
└─────────────────────────┘       │ No
        │                         │
        ▼                         │
      ◇─────────────◇             │
     ╱  If fees paid  ╲───────────┘
      ◇─────────────◇
        │
        │ Yes
        ▼
┌─────────────────────────┐
│  Enrolled successfully   │
└─────────────────────────┘
        │
        ▼
        ◉
```