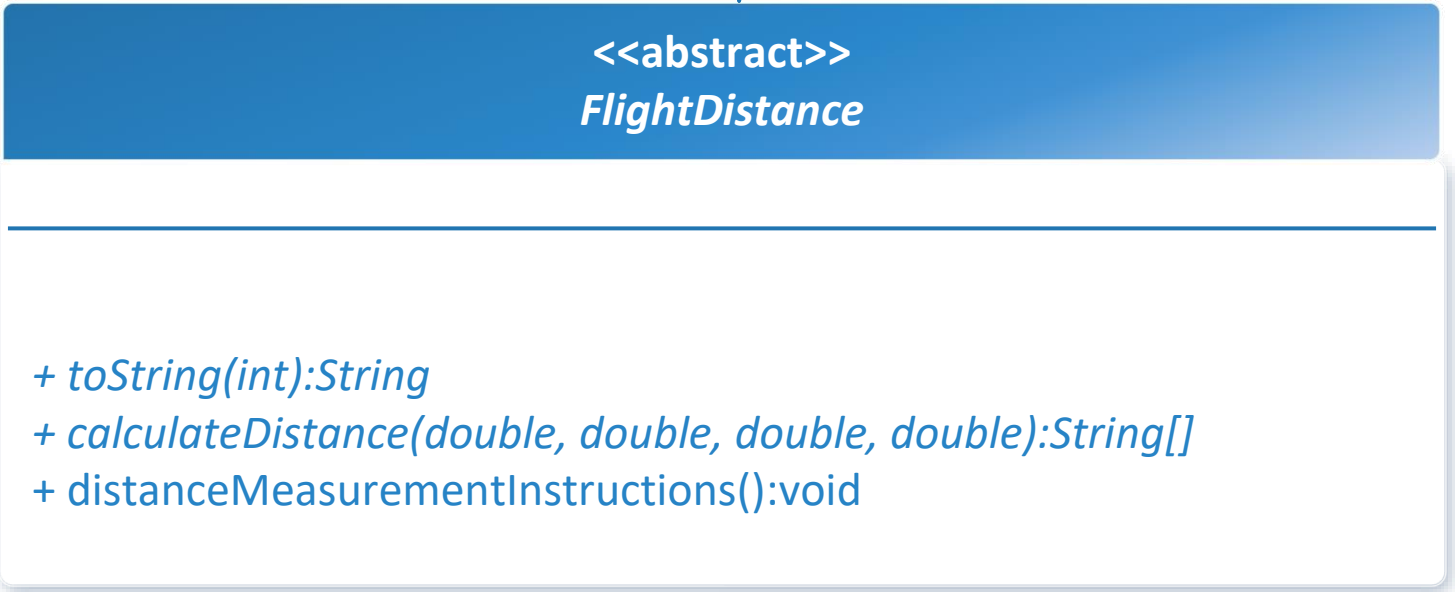
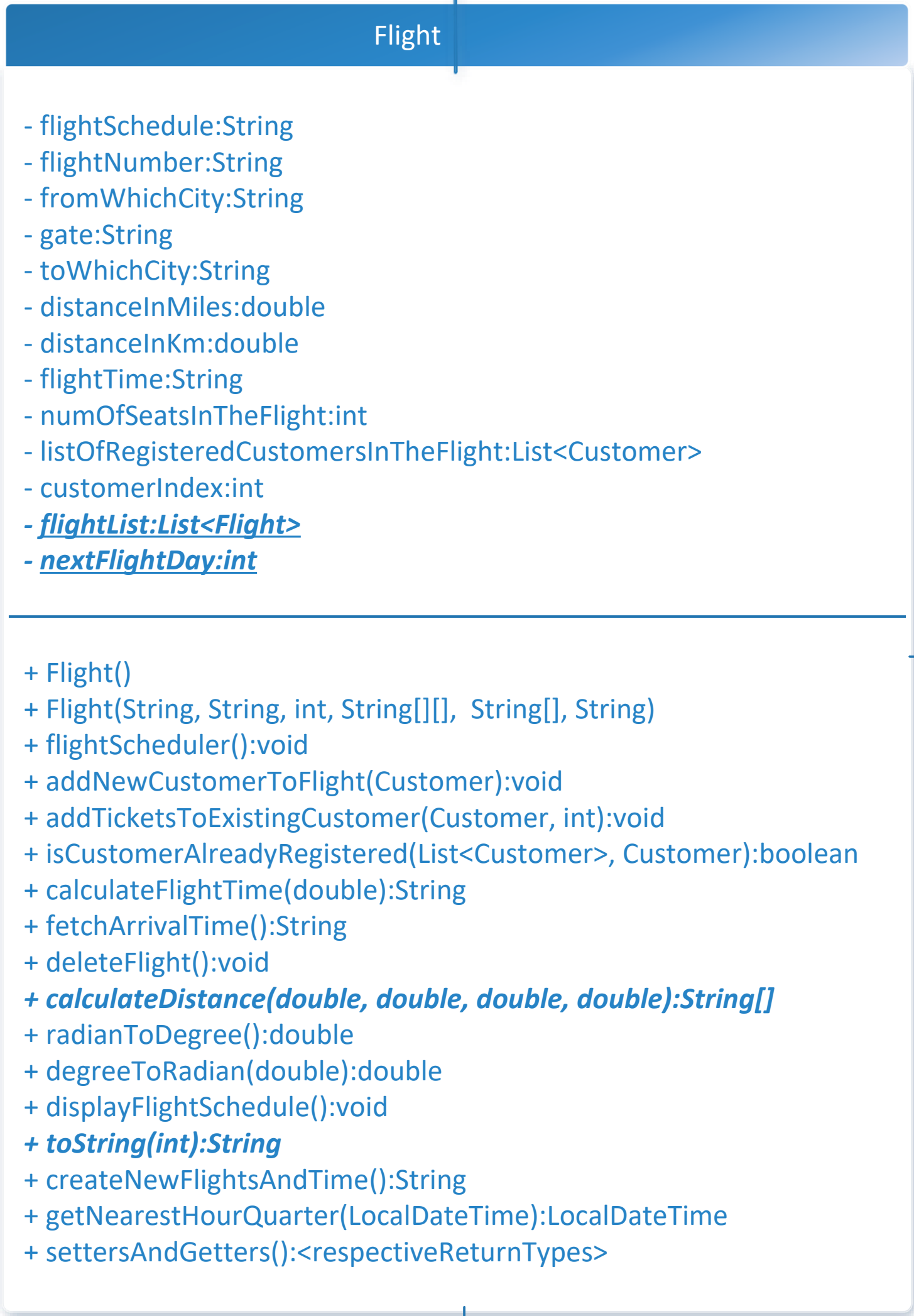


- **flightScheduler()** will schedule required number of flights e.g. 10, 20 randomly.
- **addCustomerToFlight()** will add the customer to the current flight customers list.
- **calculateFlightTime()** calculates the flight time or the time airplane was in travel.
- **fetchArrivalTime()** calculates the date time when the airplane touches the ground.
- **deleteFlight()** will delete the flight listed in the flight schedule.(Only Admin can do)
- **calculateDistance()** calculates the distance between the airports of source and destination(selected randomly from the 2D array) cities in Miles and Kilometers.
- **distanceMeasurementInstructions()** displays some common instructions, how the flight time is calculated, when to reach at airport etc...
- **displayFlightSchedule()** displays the generated flight shcedule. Flight schedule changes every time the program runs
- **createNewFlightsAndTime()** generates new flight with its required attributes and then it calls the **getNearestHourQuarter()** method to round off the minutes to the nearest quarter of the hour...

- **isUniqueData()** returns true if the entered userName or email already exists in the list.
- **addFlightToCustomerList()** will associate that flight with the current customer



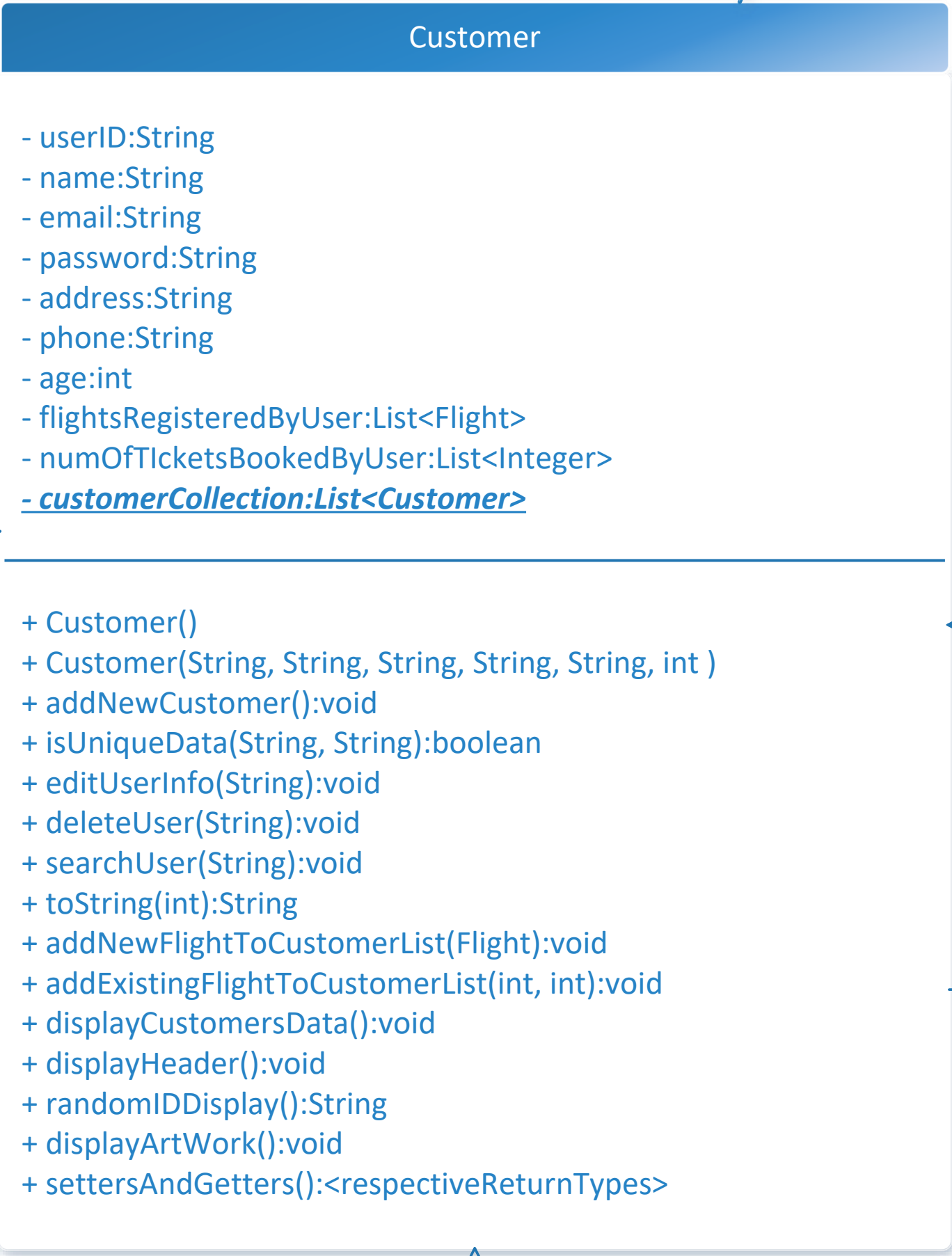
has flight

has registered



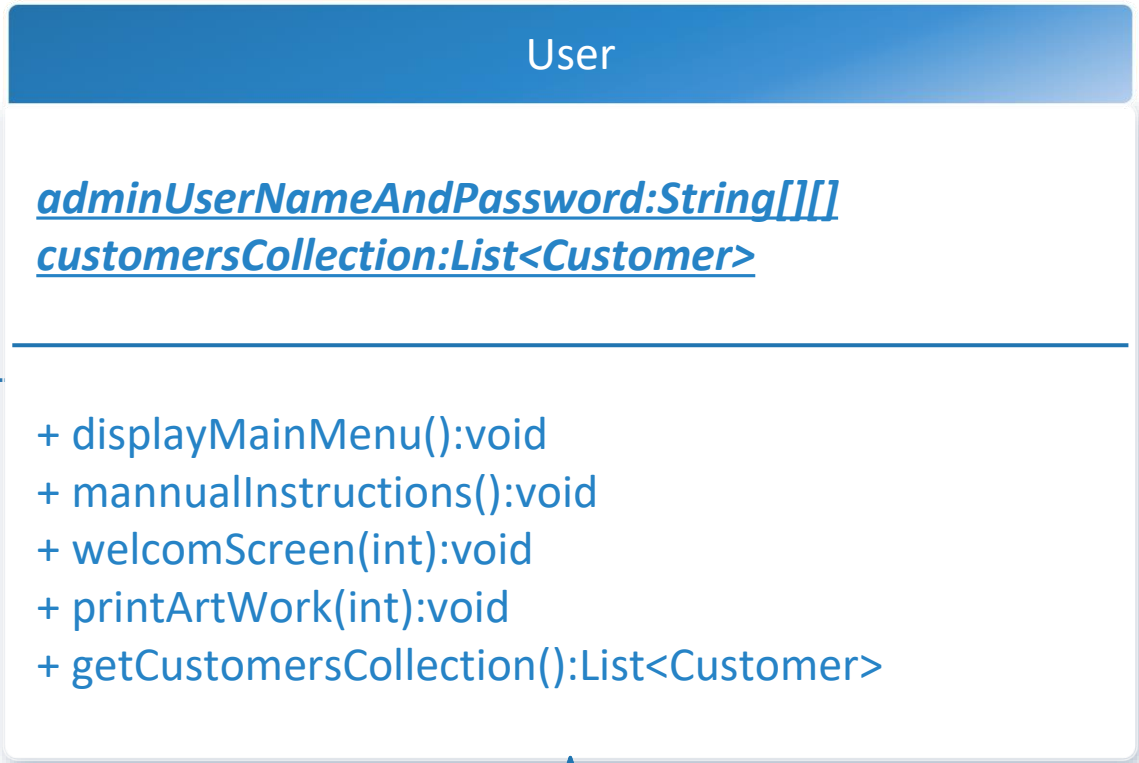
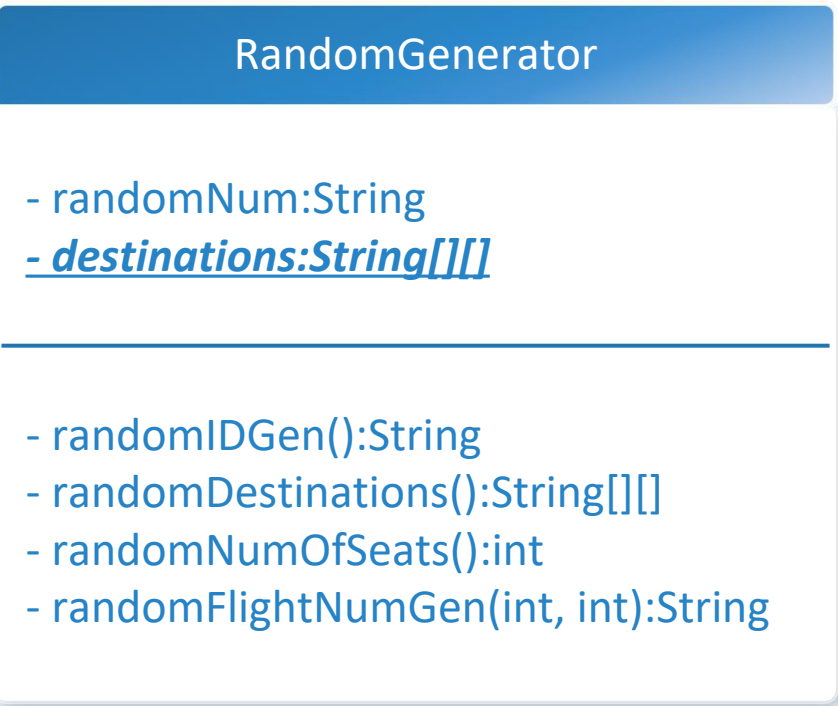
1...*

0...*

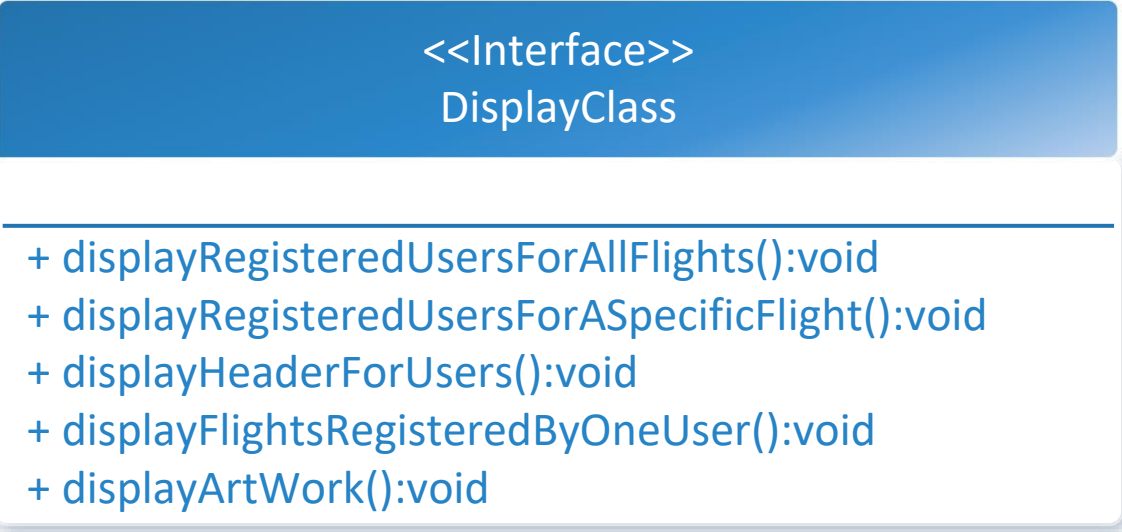
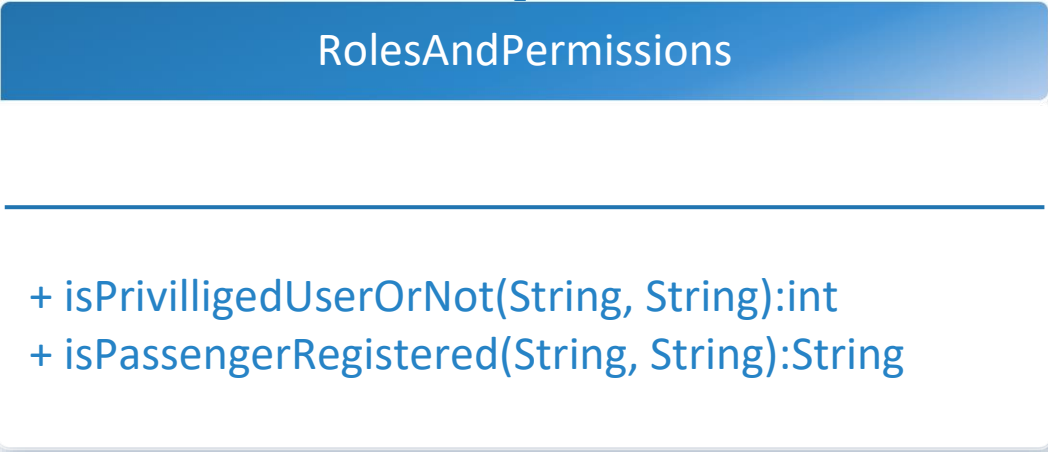


customer has an ID

can be



is user registered



- **bookFlight()** books the user in that flight..
- **cancelFlight()** cancels the registration of the user in that flight
- **flightStatus()** will check if the flight is on schedule or has been cancelled.
- **isFlightAlreadyAddedToCustomer()** will check if the current flight is already assoicaited with the user or not.
- **displayFlightsRegisteredByOneUser()** will display all flights registered by a user.
- **displayRegisteredUsersForAllFlights()** will display all registered passenger for all flights
- **displayRegisteredUsersForASpecificFlight()** will display all registered passenger for a specific flights