```
+------------------------------------+
|          <<class>>                 |
|          Traveler                  |
|------------------------------------|
| - name: String                    |
| - id: int                         |
| - current: Location               |
|------------------------------------|
| + Traveler(name: String,          |
|           id: int,                 |
|           current: Location)       |
| + getName(): String               |
| + getId(): int                    |
| + getCurrent(): Location          |
| + toString(): String              |
+------------------------------------+
```

```
+---------------------------------------------+
|          <<class>>                          |
|          Passenger                          |
|---------------------------------------------|
| - seatCategory: SeatCategory                |
| - cost: double                              |
| - rewardsPoints: int                        |
|---------------------------------------------|
| + Passenger(name: String,                   |
|          id: int,                           |
|          current: Location,                 |
|          seatCategory:                      |
|          SeatCategory)                       |
| + getSeatCategory(): SeatCategory           |
| + getCost(): double                         |
| + getRewardsPoints(): int                   |
| + move(SpaceShip): void                     |
| + toString(): String                        |
+---------------------------------------------+
```

```
+-----------------------------------+
|            <<class>>              |
|              Crew                 |
|-----------------------------------|
| - position: String                |
| - pay: double                     |
| - flightHours: int                |
|-----------------------------------|
| + Crew(name: String,              |
|        id: int,                   |
|        current: Location,         |
|        position: String)          |
| + getPosition(): String           |
| + getPay(): double                |
| + getFlightHours(): int           |
| + move(SpaceShip): void           |
| + toString(): String              |
+-----------------------------------+
```

```
+-----------------------------------------+
|          <<class>>                      |
|          SpaceShip                      |
|---------------------------------------- |
| - name: String                         |
| - current: Location                    |
| - destination: Location                |
| - capacity: int                        |
| - flightHours: int                     |
| - travelerArray: Traveler[]            |
| - travelers: int                       |
|-----------------------------------------|
| + SpaceShip()                          |
| + SpaceShip(name: String,              |
|         current: Location,             |
|         destination: Location          |
|         capacity: int,                 |
|         flightHours: int)              |
| + getName(): String                    |
| + getCurrent(): Location               |
| + getDestination(): Location           |
| + setDestination(destination:          |
```

```
|   Location): void             |

| + getCapacity(): int          |

| + getFlightHours(): int       |

| + move(): boolean             |

| + isOnBoard(traveler: Traveler):  |

|   boolean                     |

| + addTraveler(traveler: Traveler)  |

|   : boolean                   |

| + toString(): String          |

+----------------------------------------+




+----------------------------------------+

|        <<class>>              |

|     AvailableTravelers        |

|----------------------------------------- |

| - travelers: Traveler[]       |

| - numOfTravelers: int         |

|----------------------------------------- |

| + AvailableTravelers()        |

| + AvailableTravelers(capacity:  |
```

```
|   int)                        |

| + addTraveler(traveler: Traveler)  |

|   : boolean                   |

| + findTravelerByName(name:    |

|   String): Traveler           |

| + toString(): String          |

+-----------------------------------------------+
```