

<u>Contract CO2:</u>	registerFlight
<u>Operation:</u>	registerFlight(number: String, source: Airport, destination: Airport, departureTime: String, arrivalTime: String, user: User)
<u>Cross Reference:</u>	Use case: Add Flights
<u>Preconditions:</u>	<ul style="list-style-type: none"> • An Airport or Airline admin is logged into the system.
<u>Postconditions:</u>	<ul style="list-style-type: none"> • An instance of Flights flights was created. • An association from Airport source to flights was created. • An association from Airport destination to flights was created. • String departureTime and String arrivalTime was updated in an instance of Flight flight. • Flight was added to flights.

<u>Contract CO2:</u>	verifyFlight
<u>Operation:</u>	verifyFlight(flight: Flight)
<u>Cross Reference:</u>	Use case: Add Flights
<u>Preconditions:</u>	<ul style="list-style-type: none"> • An Airport or Airline admin is logged into the system.
<u>Postconditions:</u>	<ul style="list-style-type: none"> • Value of true was returned if the Airport has enough Aircraft in its fleet, and departureTime and arrivalTime are unique for Source and Destination airports respectively. • Value of false was returned if the Airport does not have enough Aircraft in its fleet, or departureTime and arrivalTime are not unique for Source and Destination airports respectively.