

Abstract	
<div>Person</div> <div>Client, Administrator</div>	
<ul style="list-style-type: none"> <li>- Stores Name</li> <li>- Get Name</li> <li>- Change Name</li> </ul>	

<div>Client</div> <div>Person</div>	
<ul style="list-style-type: none"> <li>- Launch the app</li> <li>- Loads saved data</li> <li>- Creates a searchFlight class and stores it in a variable</li> <li>- using the SearchFlight class:             <ul style="list-style-type: none"> <li>- searchFlight: Search and get flight results by Origin + Destination + Date</li> <li>- searchResultsItineraries: Display search results for possible itineraries</li> <li>- searchResultsTravel: Display search result sorted by total travel time</li> <li>- searchResultsCost: Display search result sorted by total cost</li> <li>- selectItinerary: Select an intinerary from a list of</li> </ul> </li> </ul>	Itinerary SearchFlight Booking SingleFlight Administrator Launch

<p>search results</p> <ul style="list-style-type: none"> <li>- book: Book the selected itinerary</li> <li>- getBooked: Get booked itineraries</li> <li>- getBilling: Gets billing information (i.e. total cost)</li> <li>- addItinerary: adds a new Itinerary to the Client</li> </ul>	
--	--

Administrator		Person
<ul style="list-style-type: none"> <li>- getName: Get a Client's Name</li> <li>- editName: Edit a Client's Name</li> <li>- getItinerary: Get a Client's booked itineraries</li> <li>- editItinerary: Edit a Client's booked itineraries</li> <li>- getItineraryInfo: Get a Client's booked itineraries' information</li> <li>- editItineraryInfo: Edit a Client's booked itineraries' information</li> <li>- getBilling: Get a Client's total cost</li> <li>- searchFlight: Search and get flight results by Origin + Destination + Date</li> <li>- searchResultsItineraries: Display search results for possible itineraries</li> <li>- searchResultsTravel: Display search result sorted by total travel time</li> <li>- searchResultsCost: Display search result sorted by total cost</li> <li>- selectItinerary: Select an intinerary from a list of</li> </ul>	<p>Client Itinerary SearchFlight SingleFlight Booking</p>	

search results  - book: Book the selected itinerary for a particular client - uploadFlightInfo: Upload any Flight information from the system into a file - enterFlightInfo: Enter any flight information into the system Booking	
--	--

Booking	
- bookFlight: book a new SingleFlight - bookIntinerary: book a new Itinerary - getBooker: get the Client / Administrator that's booking the flight - createItinerary: Create new Itinerary - createSingleFlight: Create new SingleFlight	Client Intinerary SingleFlight Administrator

Interface	FlightInfo
-----------	------------

<ul style="list-style-type: none"> <li>- getFlightNumber: Get flight number</li> <li>- setFlightNumber: Set flight number</li> <li>- getAirline: Get airline</li> <li>- setAirline: Set airline</li> <li>- getDeparture: Get departure dates + time</li> <li>- setDeparture: Set deparature dates + time</li> <li>- getOrigin: Get origin</li> <li>- setOrigin: Set origin</li> <li>- getDestination: Get destination</li> <li>- setDestination: Set destination</li> <li>- getArrival: Get arrival dates + time</li> <li>- setArrival: Set arrival dates + time</li> <li>- getCost: Get cost</li> <li>- setCost: Set cost</li> <li>- getTravelTime: Get travel time</li> <li>- setTravelTime: Set travel time</li> </ul>	Itinerary Single Flight
---	----------------------------

SearchFlight	
<ul style="list-style-type: none"> <li>- searchFlight</li> <li>- searchFlight: Search and get flight results by Origin + Destination + Date</li> <li>- searchResultsItineraries: Display search results for possible itineraries</li> <li>- searchResultsTravel: Display search result sorted by total travel time</li> </ul>	Client Administrator Itinerary

- searchResultsCost: Display search result sorted by total cost	
---	--

SingleFlight	
- Stores flight number, airline, departure date + time, arrival date + time, origin, cost, travel time - Implements the FlightInfo interface	Client Administrator SearchFlight FlightInfo Itinerary Booking

Itinerary	
-----------	--

<ul style="list-style-type: none"> <li>- Initializes with an array of SingleFlights and stores it in a private variable             <ul style="list-style-type: none"> <li>– getSingleFlights</li> <li>– Implements the FlightInfo interface</li> </ul> </li> </ul>	FlightInfo SingleFlight Administrator Client SearchFlight Booking
---	--

Launch	
<ul style="list-style-type: none"> <li>- launchGame</li> <li>- loadGame</li> <li>- saveGame</li> </ul>	Client