

Administrator		Serializable
Edit Client Information View Client Information Book Itineraries for Clients Viewed Book Itineraries of a Client Migrate Flights from File Migrate Users from File		

Client		Serializable
Search Itinerary Select Itinerary Book Itinerary Get personal info Set personal info Get billing info Set billing info Upload client information from file		

User		Serializable
Login to App View Itineraries View Flights Sort Flights by travel time Sort Flight by cost Sort itinerates by travel time Sort itineraries by cost Search flights by fields Search itineraries by fields View all stored client information Book itineraries	Client Administrator FlightManager ClientManager FileDatabase	

Comparable<Itinerary>, Iterable<Flight>, Serializable, Transport	
Itinerary	
Get Origin Get Destination Get Duration Get Flights Get Cost Check if it's traversible Get Airline Get Number Add flight to this Itinerary Add itinerary to Itinerary Book Seat Inform User if full	FlightManager

Comparable<Flight>, Serializable, Transport	
Flight	
Get Origin Get Destination Get Cost Get Travel Time Get Airline Get Number Get Duration Get Number of Seats Get Number of Empty Seats Book Seat Inform User if full	FlightManager

FileDatabase		Serializable
Migrate runtime changes to file Deserialize File and load to app Read CSVs and populate app through the managers Get ClientManager to use its properties Get FlightManager to use its properties (De)serialize managers	ClientManager FlightManager	

FlightManager		Serializable
Add Flight to FileDatabase Add Itinerary to FileDatabase Update Flights Update Itineraries Get all itineraries with given field values Get all flights with given field values Sort flights/itineraries by price Sort flights/itineraries by duration Get key of a flight/itinerary	FileDatabase Itinerary Flight PriceComparator DurationComparator	

<div> <div>UserManager</div> <div>Serializable</div> </div>	
Add User to FileDatabase Verify Login Credentials Get User With Email Get Users	User Client Administrator FileDatabase

Transport	
Get Origin Get Destination Get Arrival Time Get Departure Time Get Duration Get Price	Flight Itinerary

<div> <div>DurationComparator</div> <div>Comparator&lt;T&gt;, Serializable</div> </div>	
Compare Flight/Itinerary by Duration	Flight Itinerary

<div> <div>PriceComparator</div> <div>Comparator&lt;T&gt;, Serializable</div> </div>	
Compare Flight/Itinerary by Price	Flight Itinerary

AdminMenu	
Go to SearchForFlights Go to SearchForClients Go to Upload	

BookItineraries	
Create a table of available itineraries Book an Itinerary Go back to ViewSearchedFlights	FileDatabase Flight FlightManager Itinerary User

EditClientInfo	
Save changes to Client	FileDatabase User

SearchForClients	
Go to EditClientInfo for a specific Client	FileDatabase UserManager

SearchForFlights	
Go to ViewSearchedFlights when given specific information Go to ViewBooked Go to EditClientInfo	FileDatabase Flight Itinerary

Upload	
Upload a CSV file with information that gets added to FileDatabase	FileDatabase

UserLogin	
Go to SearchForFlights when a Client logs in Go to AdminMenu when an Admin logs in Verify login credentials	Admin UserManager FileDatabase

ViewBooked	
Create a table of booked Itineraries based on a specific User Go to ViewSearchedFlights when an Itinerary is clicked on	FileDatabase Flight Itinerary User

ViewSearchedFlights	
Creates a table of Flights/Itineraries based on the given information	Admin Client User FileDatabase Flight FlightManager UserManager PriceComparator DurationComparator Transport