

Abstract	
User	
Client, Admin	
<ul style="list-style-type: none">• View User and Flight Information• Enter User and Flight Information• Set an Id for each user• Get an Id for each user	<ul style="list-style-type: none">• Update (Implements)• Id (Implements)

Interface	
Update	
<ul style="list-style-type: none">• Update User and Flight Information	

Interface	
Id	
<ul style="list-style-type: none">• Set an Id	

Client	
User	
<ul style="list-style-type: none">• Store Personal Info• Look for Itineraries• Booked Itineraries• Create a Client Object and store their personal information	<ul style="list-style-type: none">• Driver• Database

Database	
<ul style="list-style-type: none">• Store all Clients information• Store all Flights information• Update Flights Information (From Admin's request)• Update Client Information• Load Data• Sort Itineraries by Cost and total Travel Time• Store Graph containing flights connections• Upload Admin Password	<ul style="list-style-type: none">• Client• Admin• Graph• Itinerary• Driver• Client Manager• Flight Manager• Itinerary Manager• Password Manager

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Admin		User
<ul style="list-style-type: none">• Create Flights• Update Flights• View Client Information• Update Client Information		

Itinerary	
<ul style="list-style-type: none">• Flights List• Overall Cost• Overall Time• Create an Itinerary object• Set and Get all the parameters• Compare Itineraries	<ul style="list-style-type: none">• Flights• Client• Database

Flights

- Store all flights Information
- Retrieve flights Information
- Return the right format for an Itinerary.

- Id (Implements)

Driver

- Request save Data to be loaded
- Take Query search from Client
- Request Itineraries from Client Query
- Request sorted itineraries

- Database
- Client

Graph

- Store all possible flights information
- Calculate all possible itineraries given date, origin and destination.
- Sort all possible itineraries

- Database
- Flight
- Itinerary

Client Manager

File Manager

- Creates a new client manager
- Read and see all files regarding clients

- Client

Abstract

File Manager

Client Managers, Flight Manager, Password Manager

- Saves any given information to a designated File Path

- Database

Flight Manager

File Manager

- Creates a new Flight Manager
- Read and save all files regarding flights.

- Flight

Itinerary Manager

- Creates a new itinerary manager
- Read and save all files regarding booked itineraries

- Itinerary
- Client

Password Manager

File Manager

- Creates a new password manager
- Read and save all files regarding passwords

Booked Itinerary Activity

- | | |
|---|---|
| <ul style="list-style-type: none">• Book a given Itinerary and store it to an specific client | <ul style="list-style-type: none">• Driver• Itinerary Manager• Itinerary• Client |
|---|---|

Change Password Activity

- | | |
|--|---|
| <ul style="list-style-type: none">• Change the password for a client | <ul style="list-style-type: none">• Driver• Client |
|--|---|

Client Info Activity

- | | |
|---|--|
| <ul style="list-style-type: none">• Display Client Information• Redirect client to Search page• Redirect client to Booked Itineraries page• Redirect client to Edit Client page• Redirect client to Change Password | <ul style="list-style-type: none">• Client |
|---|--|

Client Info Fragment

Fragment

- | | |
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| <ul style="list-style-type: none">• Handle the information on the Client page implemented by the fragment | |
|---|--|

Display Itineraries

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|--|--|
| <ul style="list-style-type: none">• Display the Itineraries based on the query given by the Client• Book a given Itinerary• Return the user to the Search page | <ul style="list-style-type: none">• Driver• Itinerary Manager• Flight• Itinerary• Client |
|--|--|

Edit Client Info Activity

- | | |
|---|--|
| <ul style="list-style-type: none">• Allow a client to Edit their personal information apart from their password | <ul style="list-style-type: none">• Driver• Client Manager• Client |
|---|--|

Edit Flight Info Activity

- | | |
|--|--|
| <ul style="list-style-type: none">• An activity that lets an admin edit any given information for an specific flight | <ul style="list-style-type: none">• Admin Info Activity• Driver• Flight Manager• Flight |
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Edit Info Activity Fragment

- | | |
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| <ul style="list-style-type: none">• A fragment that handles the Edit Info activities | |
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Login Activity

- | | |
|--|---|
| <ul style="list-style-type: none">• Login a user after getting their credentials• Register a user if they are not present on the Database | <ul style="list-style-type: none">• Admin Info Activity• Driver• Client |
|--|---|

Register Activity

- | | |
|---|---|
| <ul style="list-style-type: none">• Register a Client to the Database | <ul style="list-style-type: none">• Driver• Client Manager• Password Manager• Client |
|---|---|

Search

- | | |
|--|--|
| <ul style="list-style-type: none">• Get the information for a given a query• Return the result from the Database and pass it to the Display Itineraries class | <ul style="list-style-type: none">• Database• Driver• Itinerary• Client |
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