UFLY

SHARE A FLIGHT
SHARE A DREAM

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01

System Definition

UFly is a flight-sharing website between a pilot and private passengers.

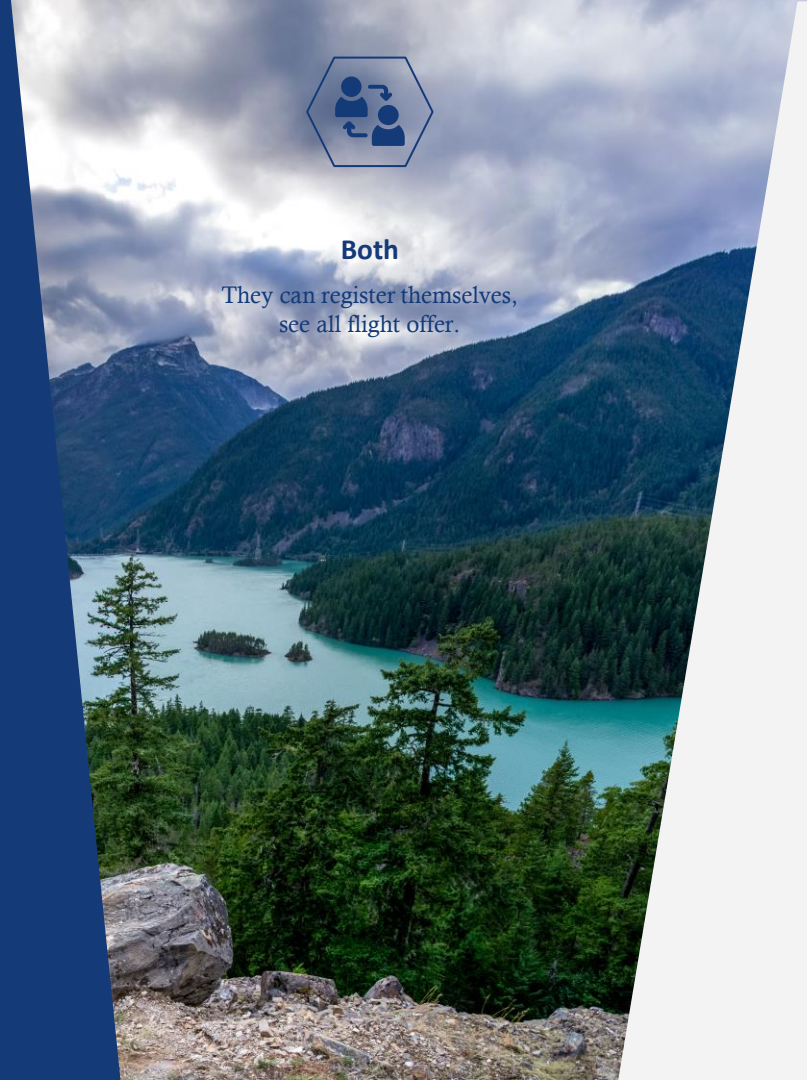
A registered pilot posts a flight with all its public information (number of passengers, flight duration, place of departure/arrival – can be the same one – price/passenger) and private information (rdv place).

As a passenger, they can search a flight without being logged in by selecting a departure airport and a period. For each selected flight, it's possible to see the information about the flight, the pilot (experience, qualification, number of flight hours…) and the plane. Once the passenger chooses a flight, he must register himself if it's not already done (classic registering information must be given like personal data, coordinates…). Once he's logged in, he can book the number of available seats he wants.

After each booking, the system sends an e-mail to the pilot to notice him about the number of booked seats. The pilot can accept or refuse each booking. Then a confirmation e-mail is sent to the client. The day before the flight, the pilot and the client receive an e-mail to remind them the public and private information about the flight.

02

The Users



The Passenger

He can book one or several seat for a flight.

Both

They can register themselves, see all flight offer.

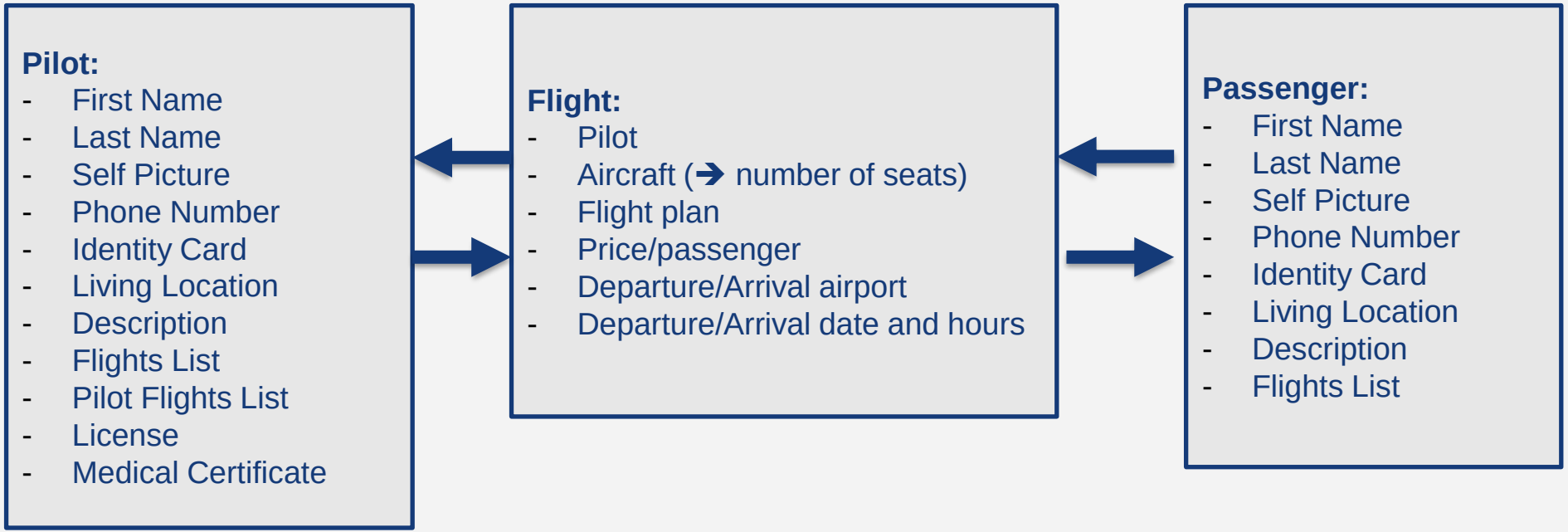
The Pilot

He can do the same things like the passenger and he can also create a flight and validate each booking

03

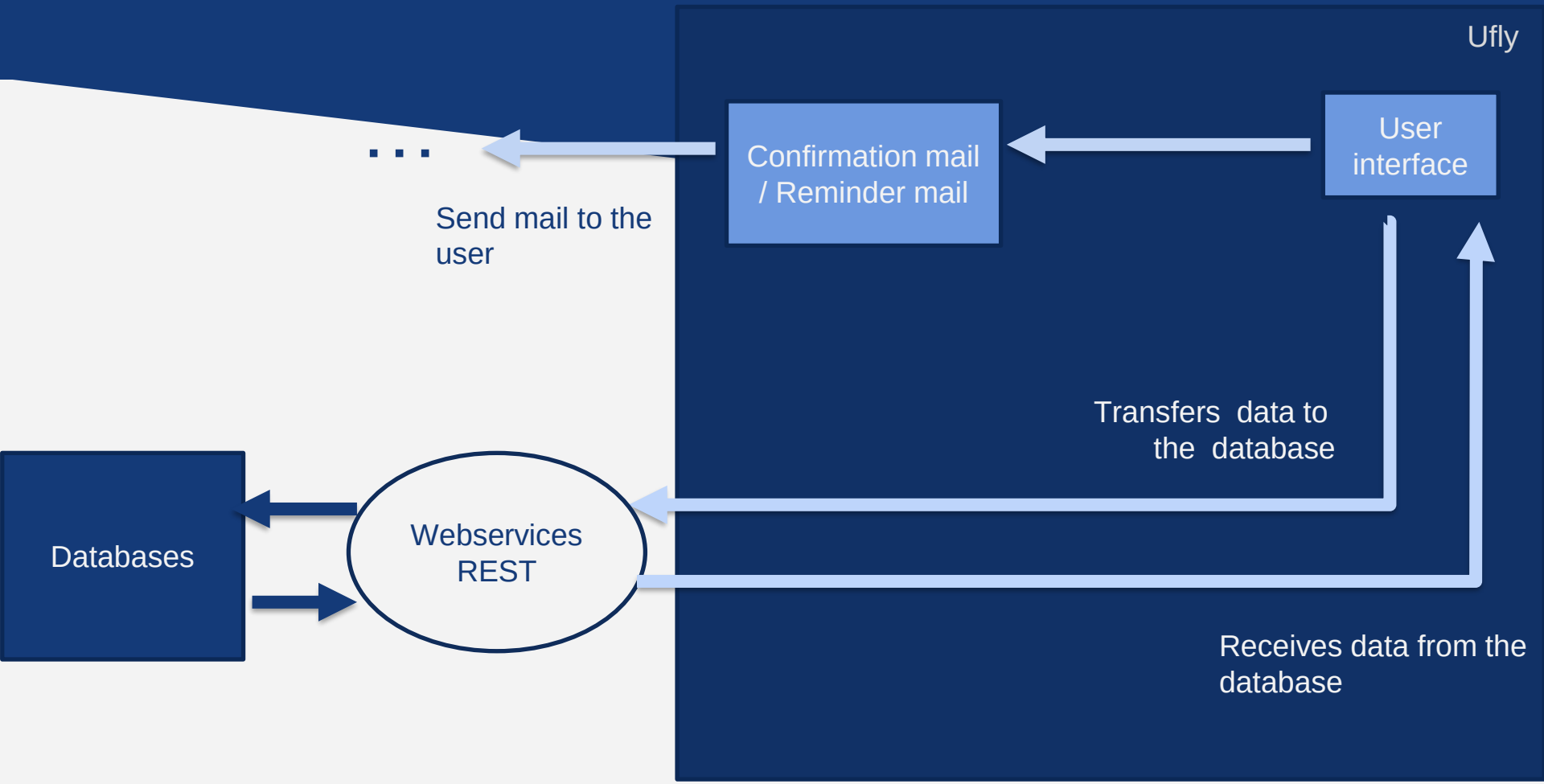
Business Objects

Business Objects



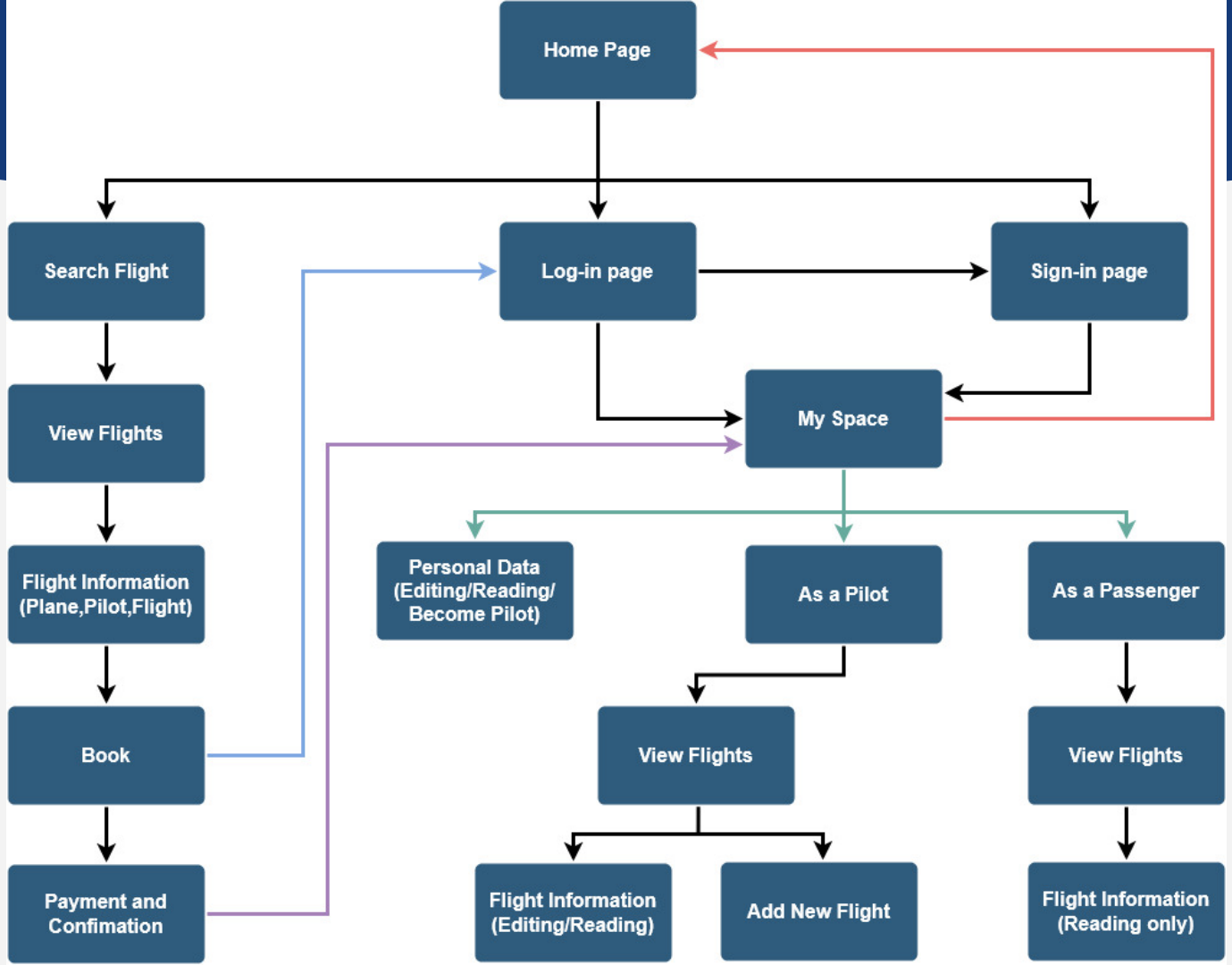
04

Technical Propositions


Ufly
Confirmation mail / Reminder mail
User interface
Send mail to the user
Transfers data to the database
Databases
Webservices REST
Receives data from the database

05

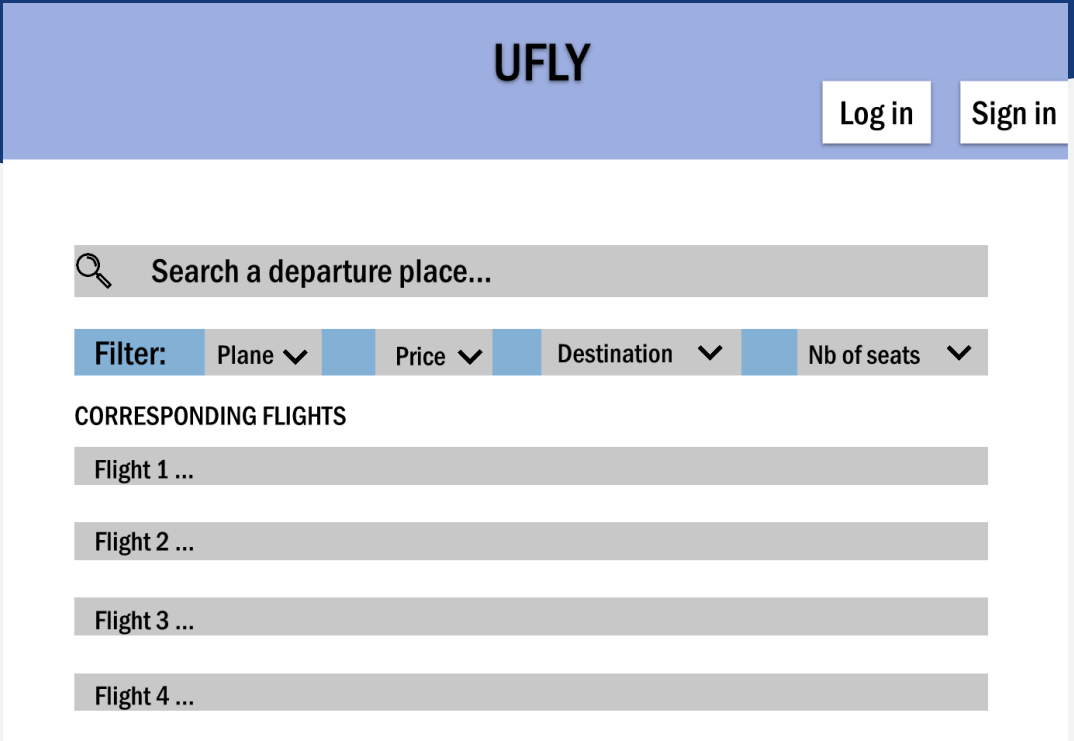
Navigation Diagram


Home Page
Search Flight
Log-in page
Sign-in page
View Flights
My Space
Flight Information (Plane,Pilot,Flight)
Personal Data (Editing/Reading/ Become Pilot)
As a Pilot
As a Passenger
Book
View Flights
View Flights
Payment and Confimation
Flight Information (Editing/Reading)
Add New Flight
Flight Information (Reading only)

06

Mockups

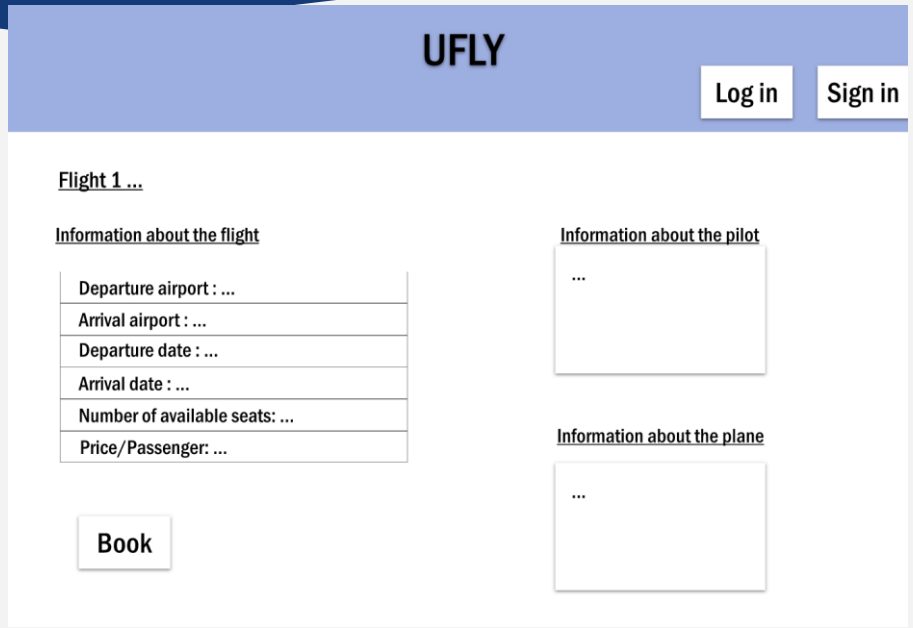
The home page, where the user can search a flight, choose different criteria and then select the flight he wants.
The user can also login or sign in.



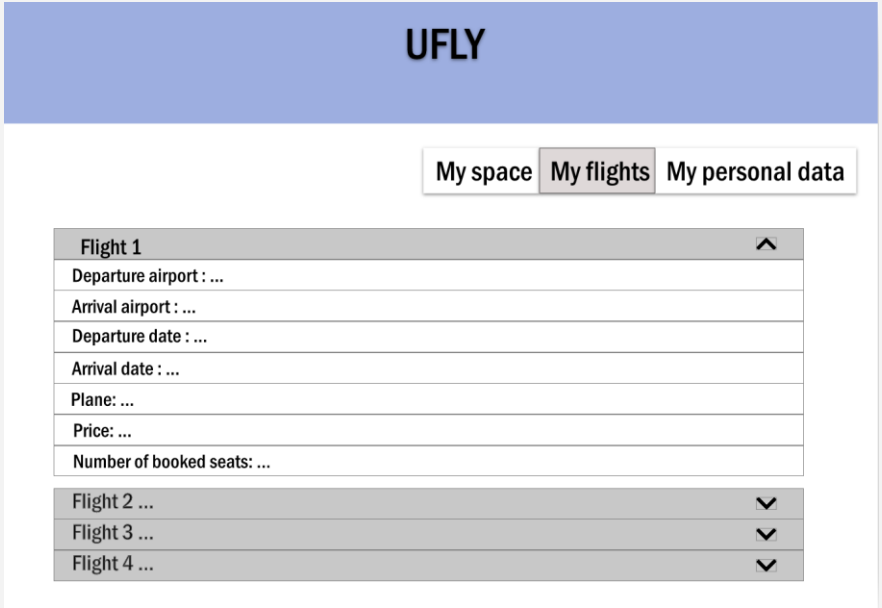
When a flight is selected, the user (connected or not) can consult the corresponding information:

- About the flight
- About the pilot
- About the plane

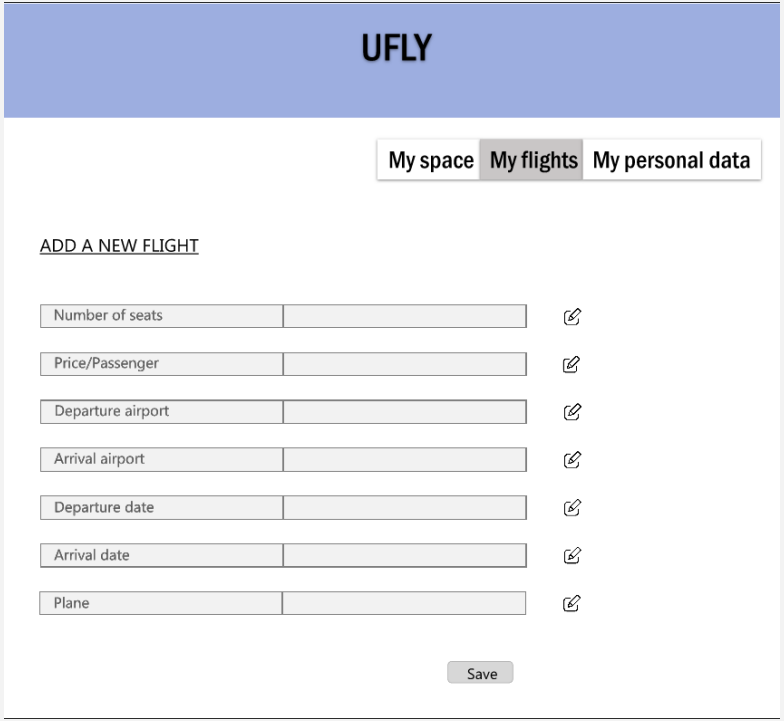
- By clicking on « Book », if the user is connected, he will be able to specify the number of places and pay. If not, he will be redirected to the login page.



Through his space, the user can access the flights he booked and the details of each one. He can also consult and modify his personal data.



If the user is a pilot, he has the possibility to add a new flight by entering all the necessary information.



07

Web-Services REST

Web-Services REST

Type	URI	Behavior
PUT	/users	Add a new user
POST	/users/{id}/myinfo	Modify information for the user with the corresponding id
GET	/users/{id}/myinfo	Returns user information
GET	/users/{id}/myflights	Returns the list of flights for which the user was/will be involved
POST	/user/{id}/note_pilot	Give a note for a pilot
GET	/flights	Returns a list of flights depending on some criteria
GET	/flights/{id}	Info about a specific flight
DELETE	/flights/{id}	Delete a past flight from the flights list
POST	/flight/{id}	When the user book some seats for a specific flight, he modifies its attributes
PUT	/flights	Add a new flight
POST	/flights/{id}	Edit a flight
GET	/flight/{id}	Send an email to remind a next flight
GET	/plane/{id}	Returns information about a plane