



UFLY

SHARE A FLIGHT
SHARE A DREAM

AGOPIAN Paul
RODRIGUEZ Clément

TABLE OF CONTENTS

01

System Definition

All information around the system

02

The Users

Description of Users which use the system

03

Business Object

Overviews of system according Business Objects

04

Technical Description

Relationship between all elements in the system

05

Navigation Diagram

The travel done by the user in our system

06

Mockups

View the result

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

Pilot:

- First Name
- Last Name
- Self Picture
- Phone Number
- Identity Card
- Living Location
- Description
- Flights List
- Pilot Flights List
- License
- Medical Certificate

Flight:

- Pilot
- Aircraft (→ number of seats)
- Flight plan
- Price/passenger
- Departure/Arrival airport
- Departure/Arrival date and hours

Passenger:

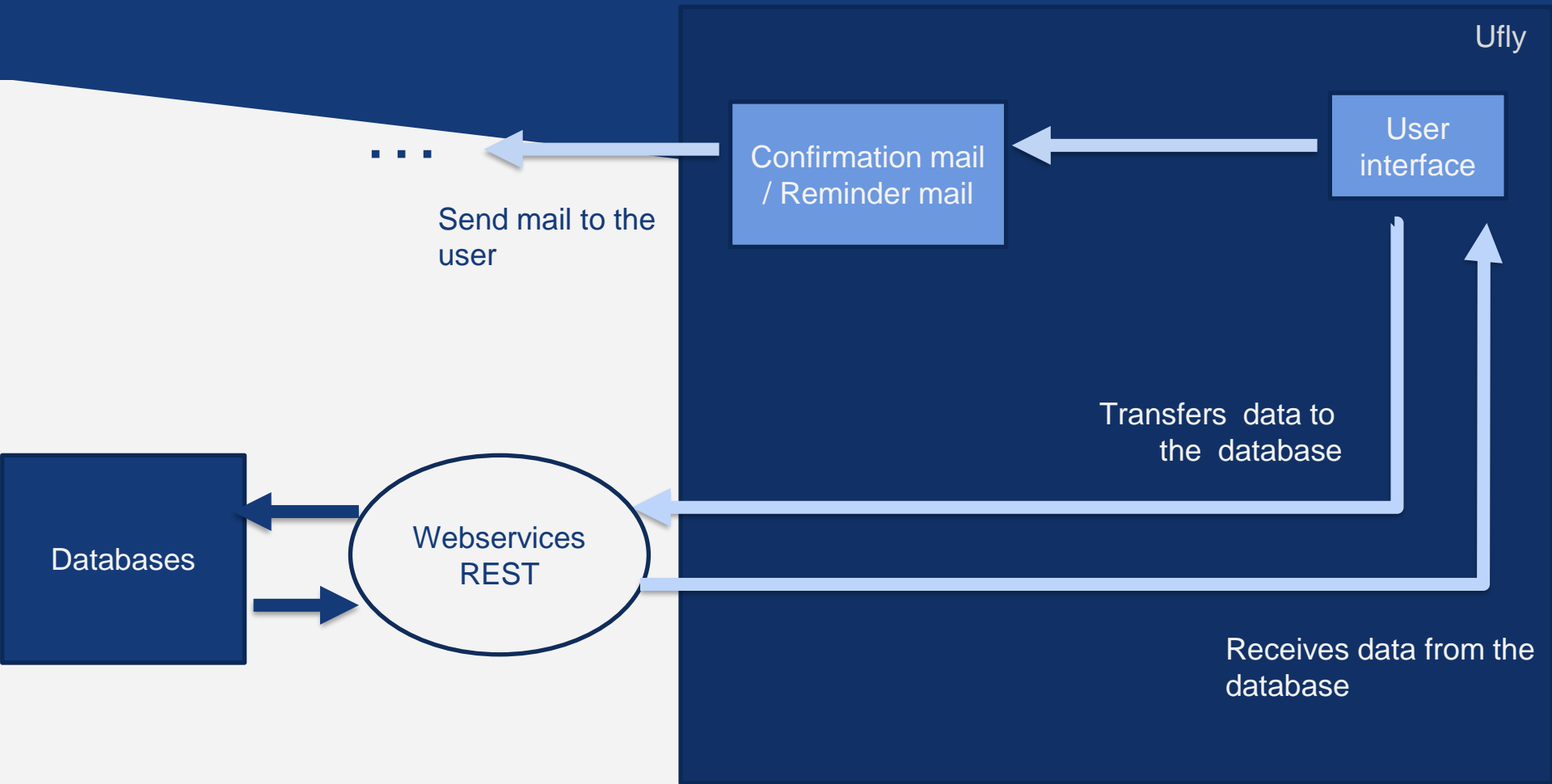
- First Name
- Last Name
- Self Picture
- Phone Number
- Identity Card
- Living Location
- Description
- Flights List





04

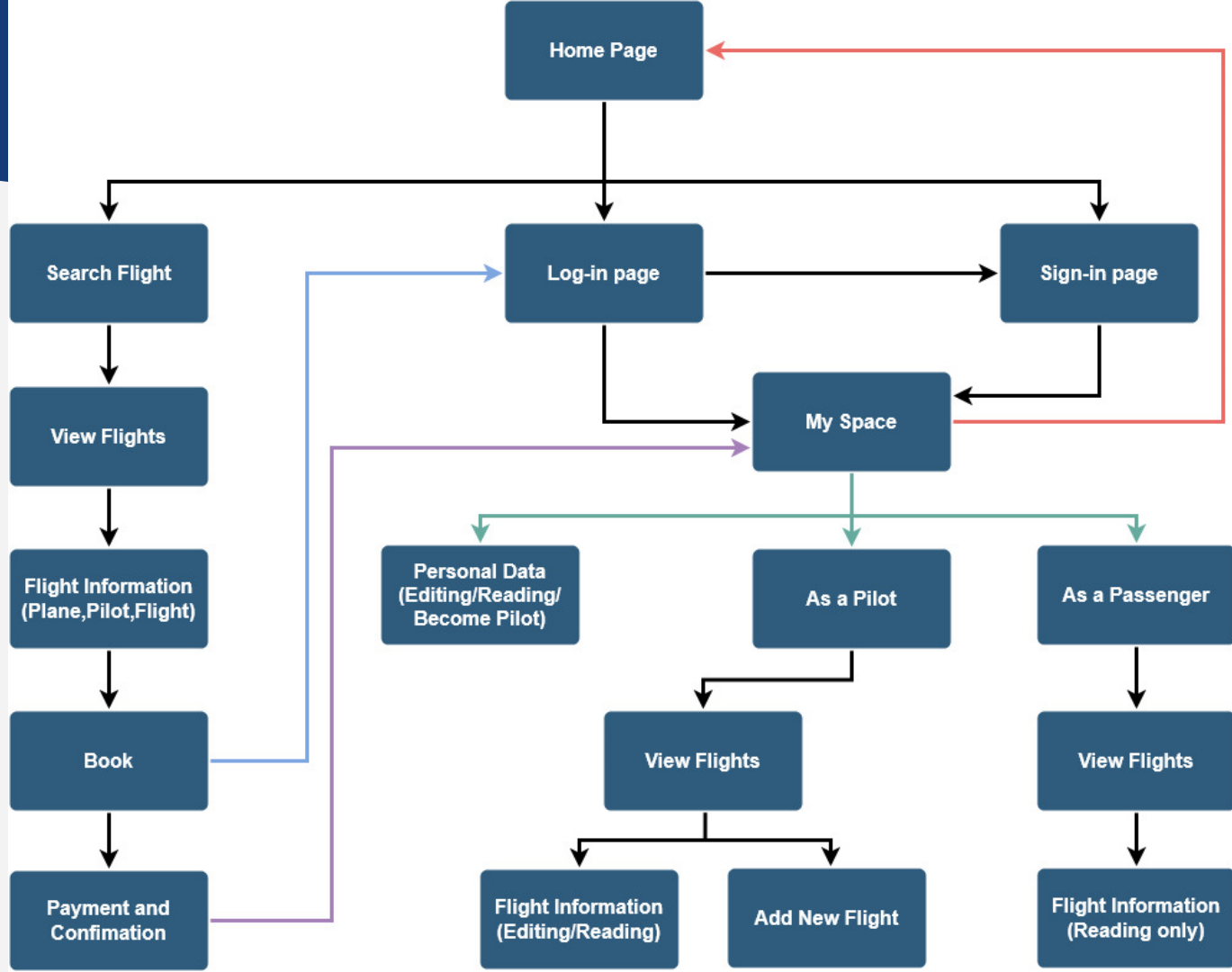
Technical Propositions



An aerial photograph of a coastline. The top half of the image shows the ocean with white, foamy waves crashing onto a dark, rocky shoreline. The bottom half of the image shows a wide, sandy beach. A large, dark blue triangle is positioned on the left side of the image, pointing towards the center.

05

Navigation Diagram





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.

UFLY

Username/E-mail

Password

Sign in

Log in

UFLY

Log in

Sign in

Search a departure place...

Filter:

Plane ▼

Price ▼

Destination ▼

Nb of seats ▼

CORRESPONDING FLIGHTS

Flight 1 ...

Flight 2 ...

Flight 3 ...

Flight 4 ...

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.

UFLY

[Log in](#)[Sign in](#)

Flight 1 ...

Information about the flight

Departure airport : ...
Arrival airport : ...
Departure date : ...
Arrival date : ...
Number of available seats: ...
Price/Passenger: ...

Book

Information about the pilot

...

Information about the plane

...

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.

UFLY

My space My flights My personal data

Flight 1	^
Departure airport : ...	
Arrival airport : ...	
Departure date : ...	
Arrival date : ...	
Plane: ...	
Price: ...	
Number of booked seats: ...	
Flight 2 ...	▼
Flight 3 ...	▼
Flight 4 ...	▼

UFLY

My space My flights My personal data

ADD A NEW FLIGHT

Number of seats		
Price/Passenger		
Departure airport		
Arrival airport		
Departure date		
Arrival date		
Plane		

Save

An aerial photograph of a river delta, likely the Amazon, showing a large, dark, irregularly shaped landmass surrounded by lighter-colored water. The water has a mottled, textured appearance. A large, white, geometric shape, resembling a stylized '7' or a large arrow, is overlaid on the right side of the image, pointing towards the right edge. The number '07' is positioned within this white shape.

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
		When the user book some seats for a specific flight, he modifies its attributes
POST	/flight/{id}	
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