



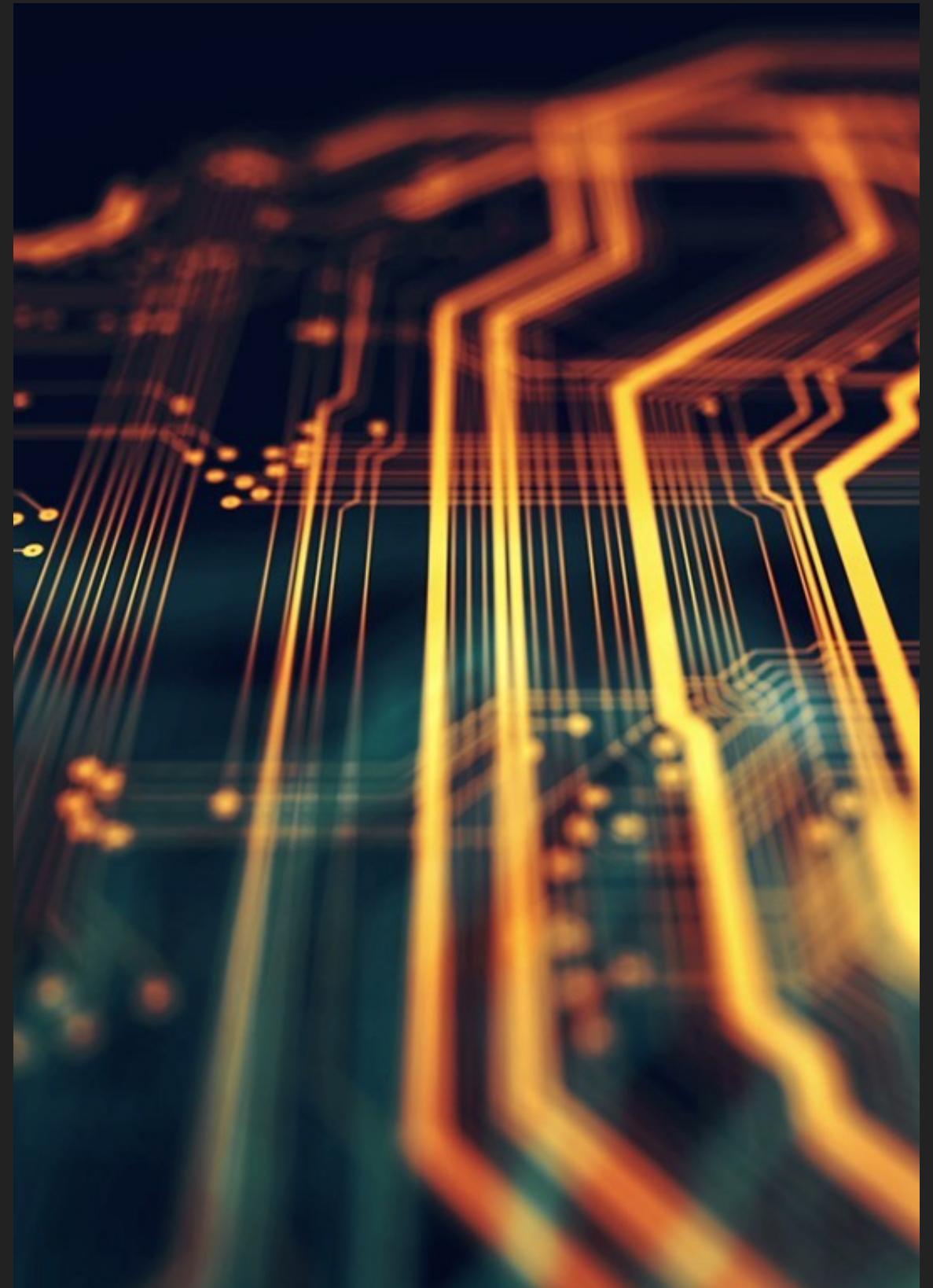
-
- Specification analysis and first solution draft

Planepool

RAMANALINJATOVO Tojo
GAO Eric

System defintion

- ▶ The **purpose** of the software is to allow tourism or no professional pilots to come in relation with potential passengers and let them share a flight.
- ▶ Shows flight available
- ▶ Allows passengers to look up a flight to a destination or just a round trip by date, departure and arrival location, with or without subscription. Subscription is needed to check in.
- ▶ Allows pilots to upload a flight proposition (arrival/departure, time, cost, type of plane) and accept/decline potential passengers.
- ▶ Information about acceptance (passenger side) and requests (pilot side), confirmation of flight (both users) dispatched by e-mail
- ▶ Distributed both as a smartphone app and a website



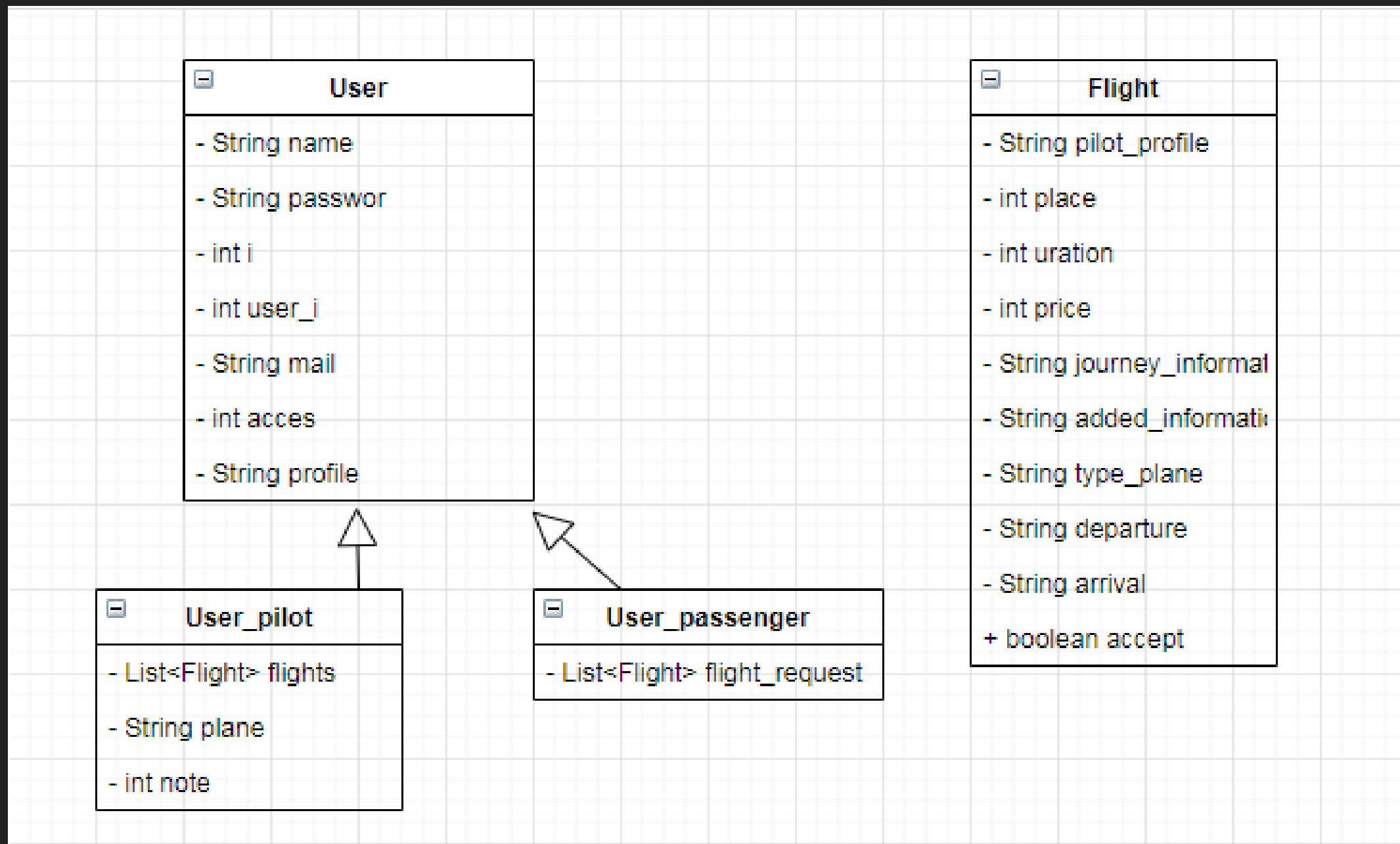
System environment : users and Business objects

▶ Users

- ▶ **Pilots** : must be able to access the service and upload data (flight infos). Must be able to check another user's profile. **Read and write access**.
- ▶ **Passengers** : must be able to check out any flight (with an intern search engine). Must be able to check another user's profile. Apart from the subscription information, cannot upload any data to the platform. **Read only access**

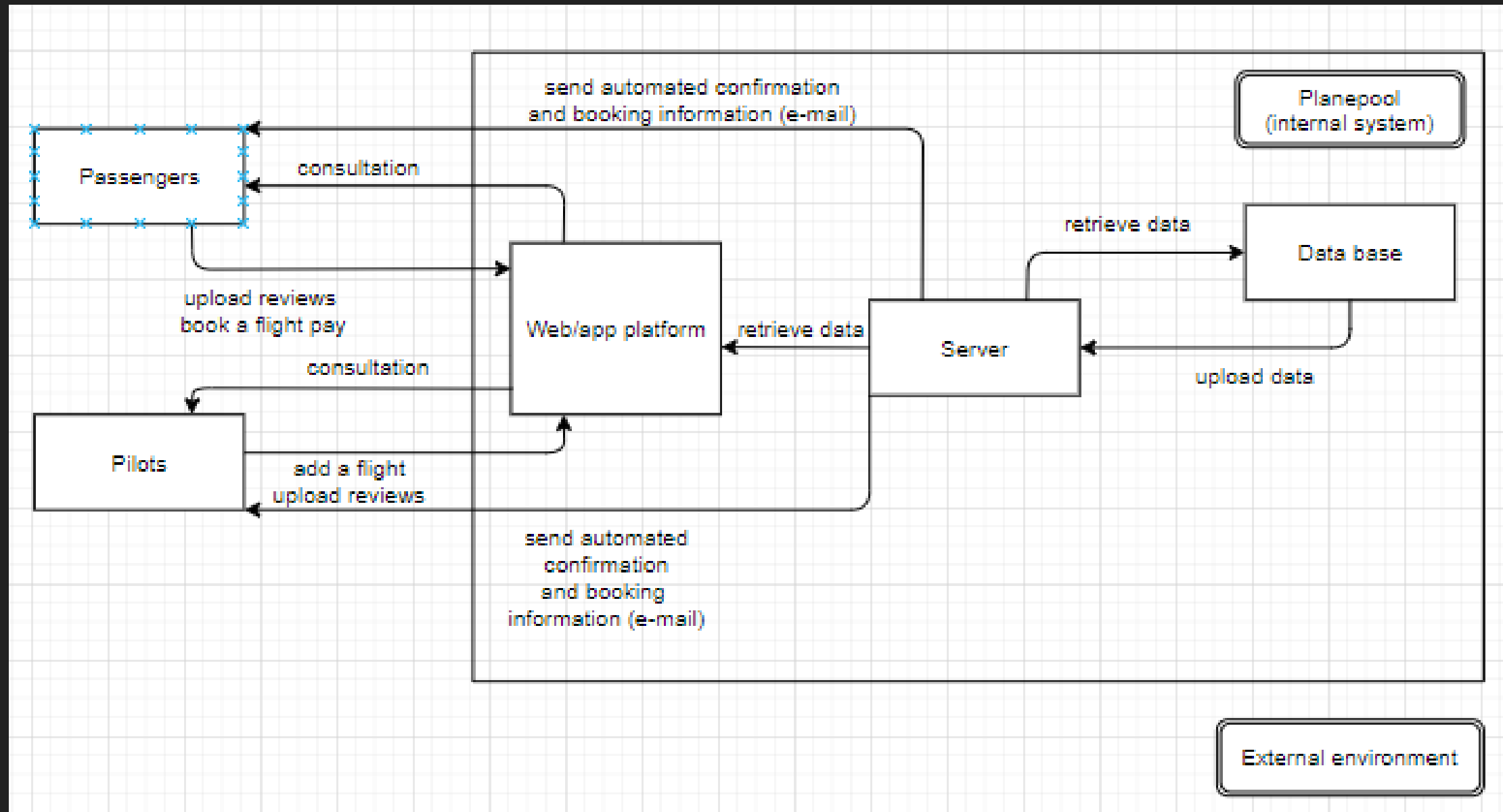
System environment : users and Business objects

► Business Objects and their main attributes

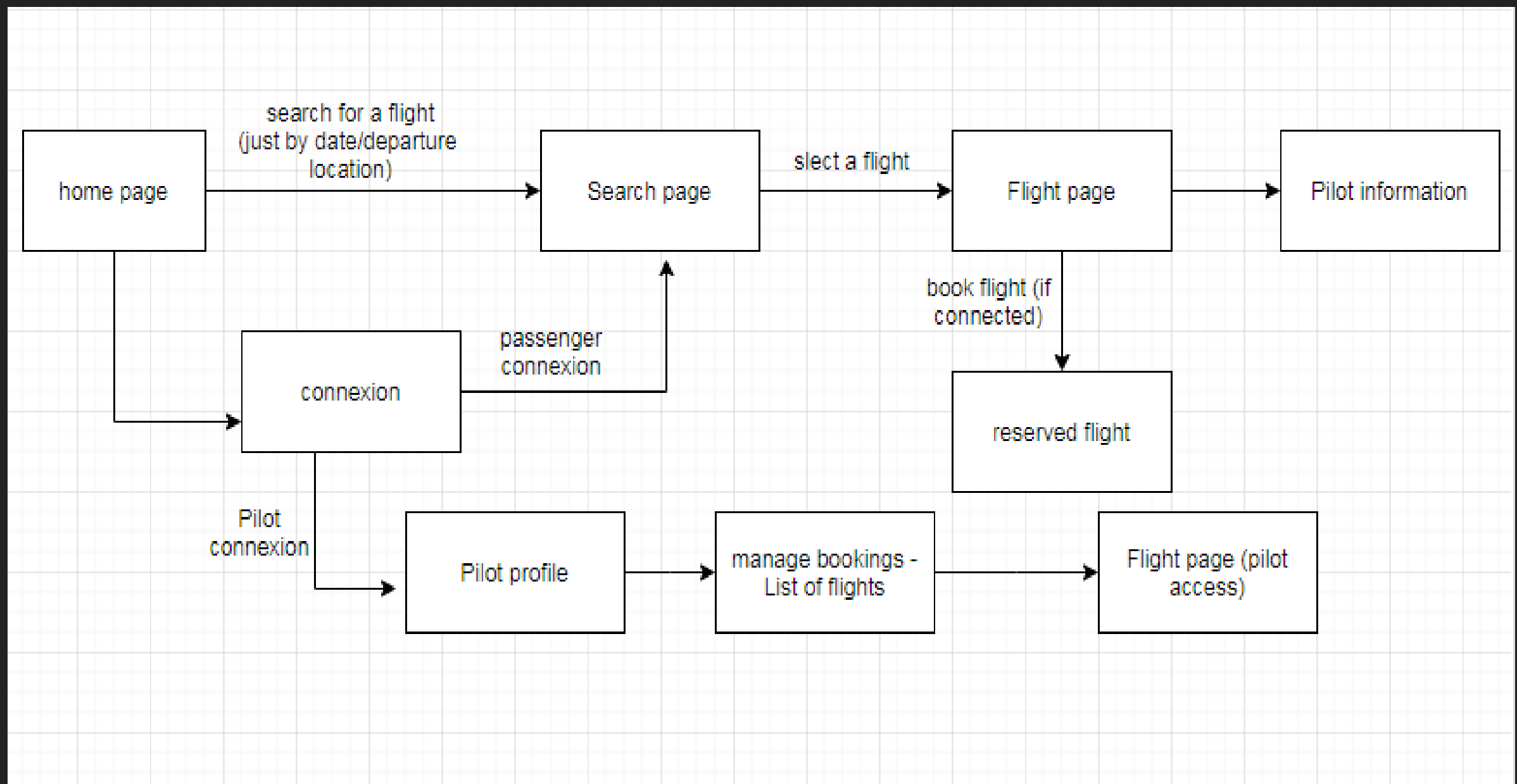


First system draft

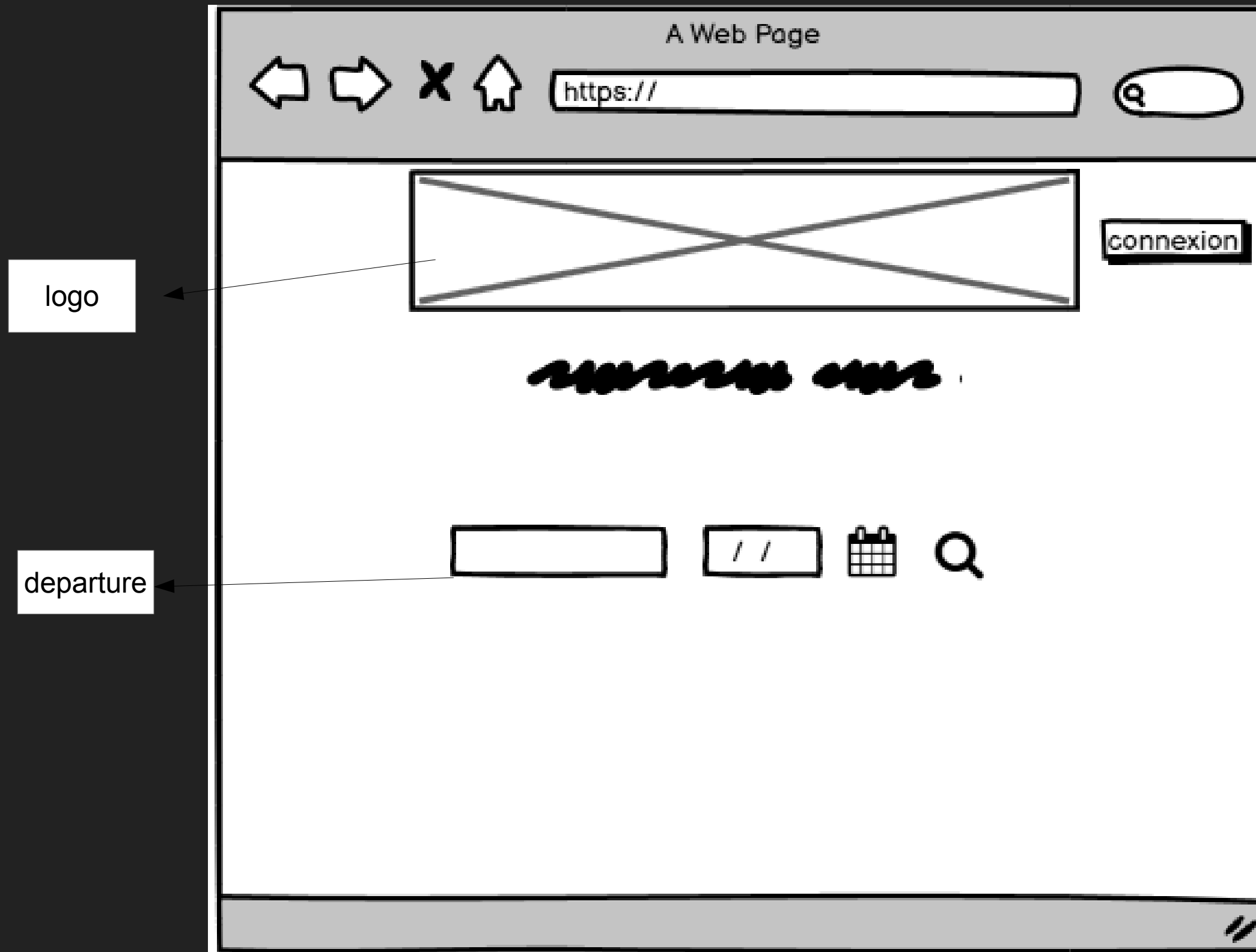
Basic interaction of the subsystems



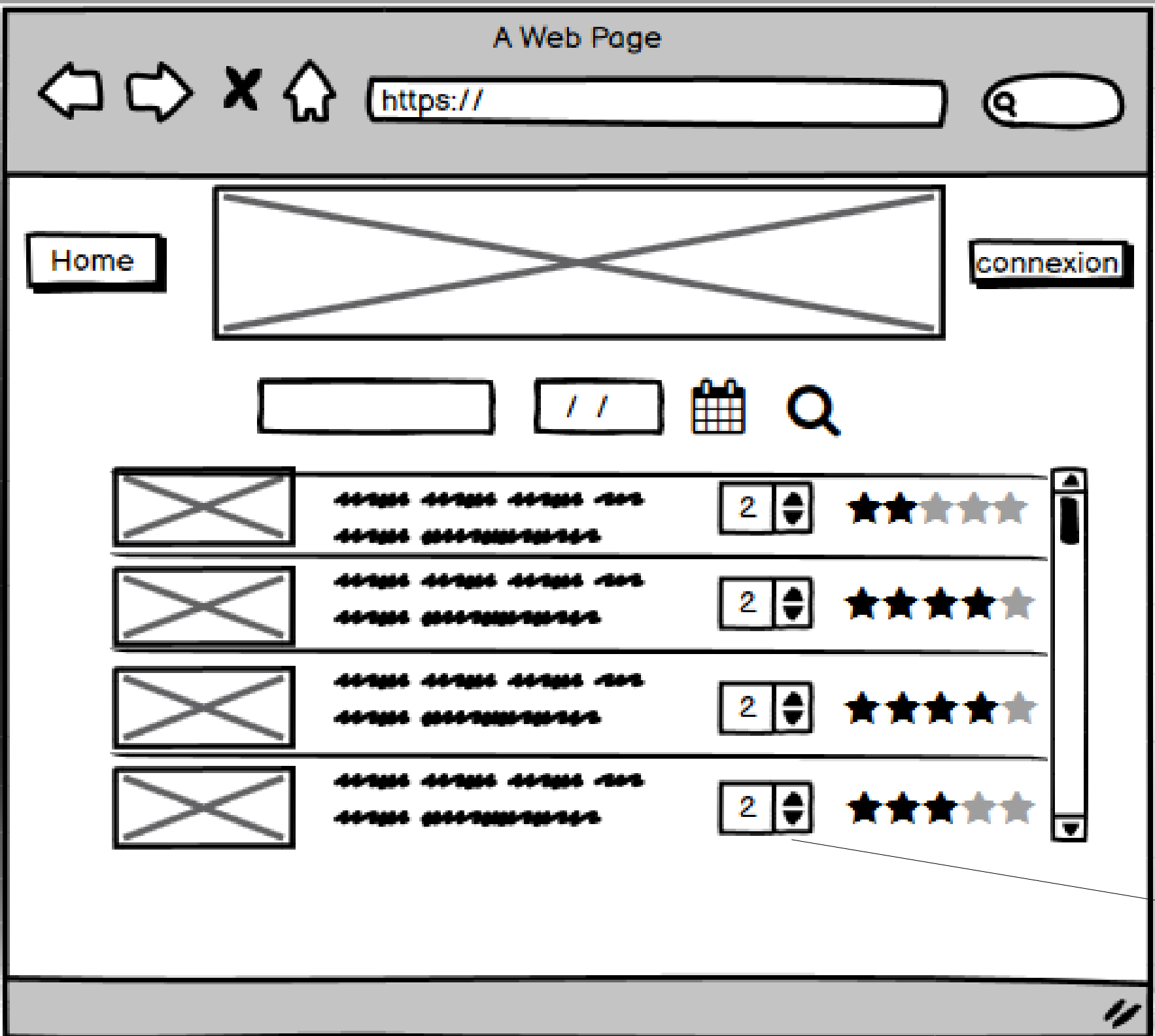
Navigation scheme



Mock-up : Home page

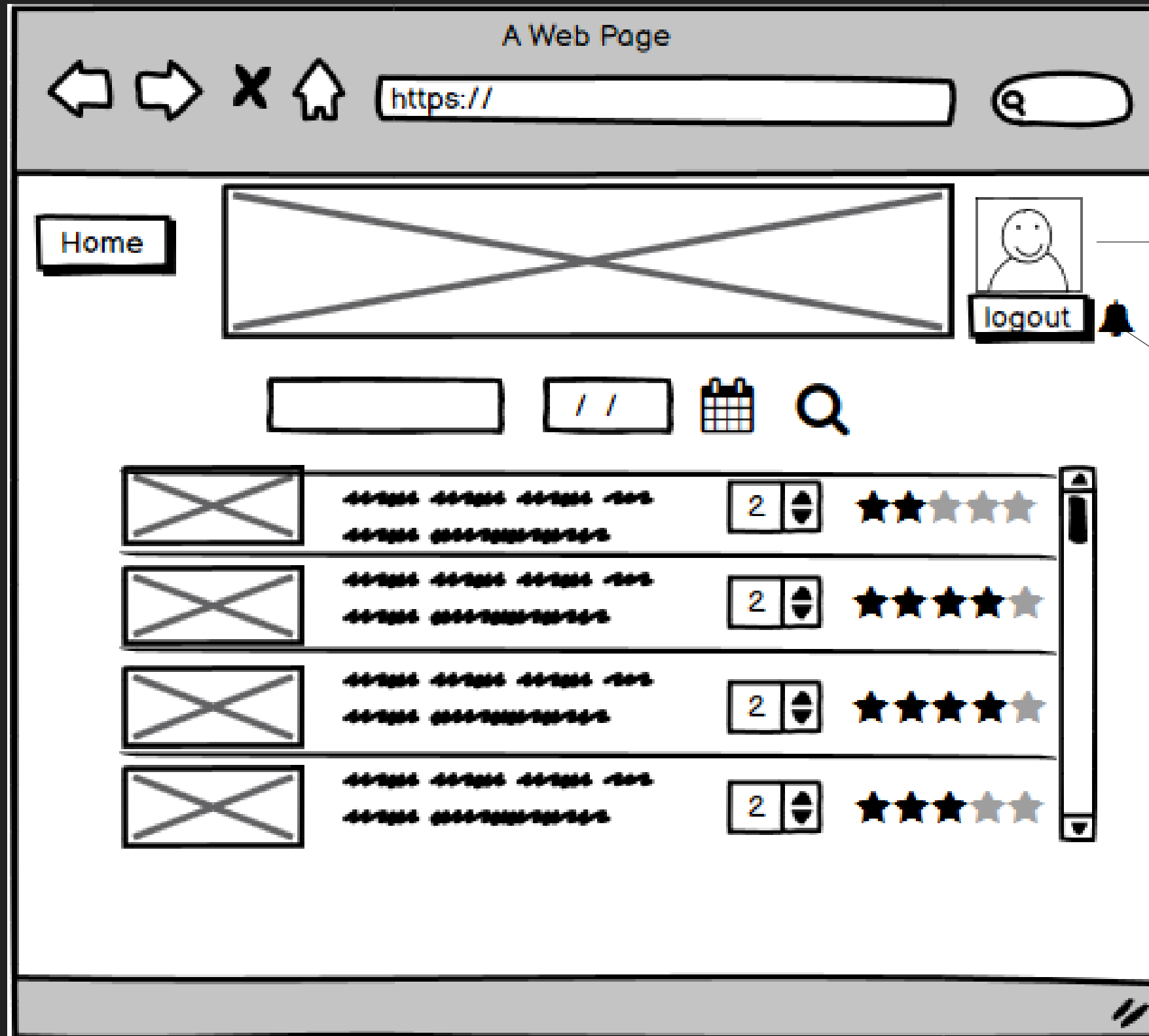


Mock-up : Search



Place available

Mock-up : Search when connect



User connected

Notification to a flight

Mock-up : Add flight

A Web Page

Navigation icons: back, forward, close, home

Address bar: https://

Search icon

Home button

Placeholder image (crossed out)

User profile icon

logout button

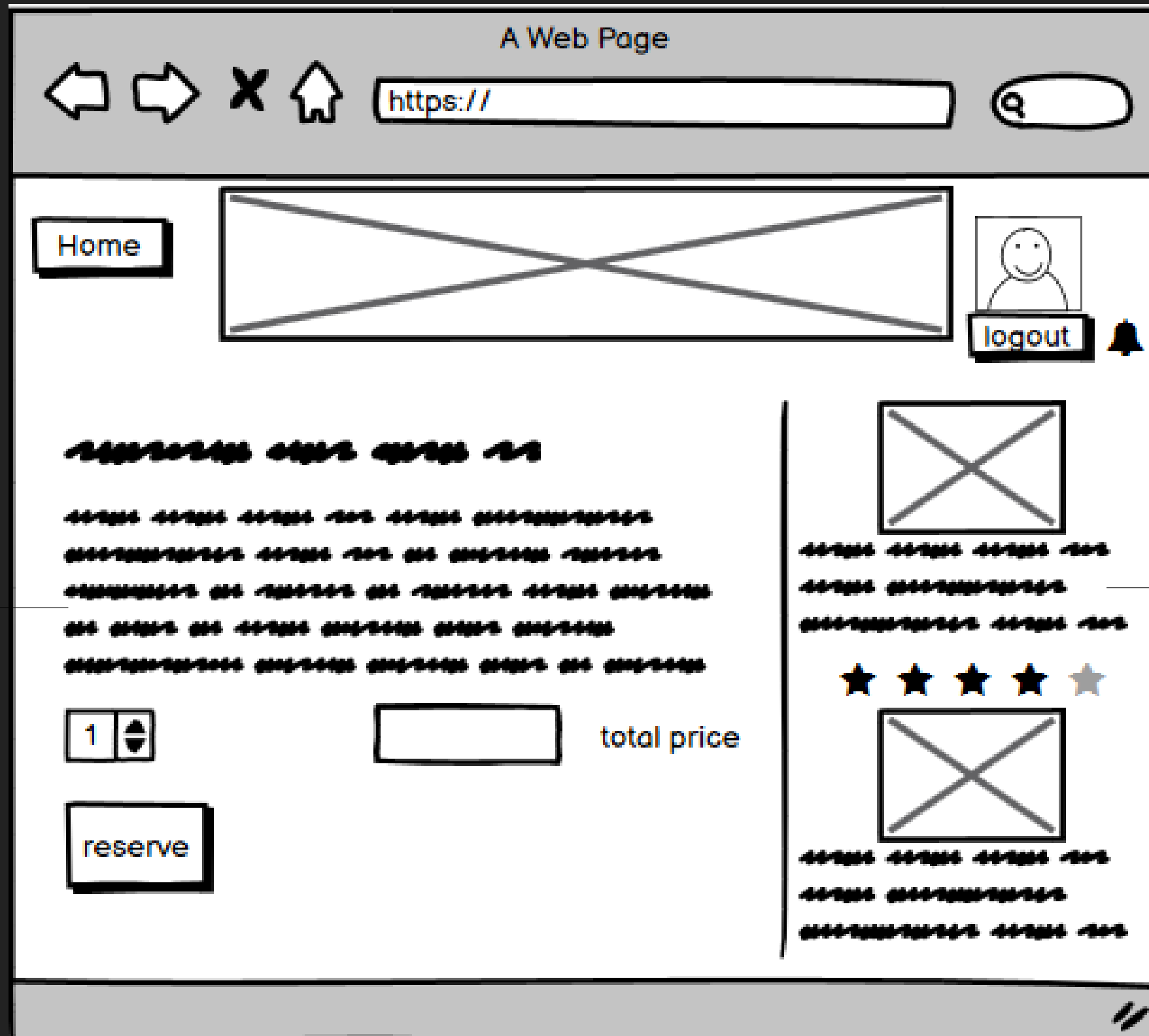
Notification bell icon

Form fields:

- departure location
- arrival location
- places (3)
- duration
- price
- journey information
- private added information

save button

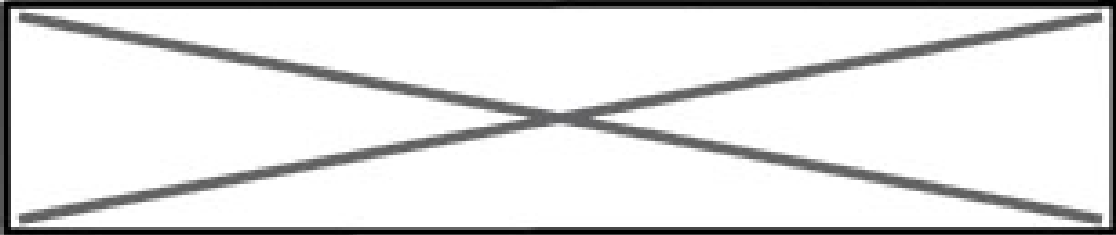
Mock-up : Reserve a flight



Mock-up : Sign up

A Web Page

← → ✕ 🏠 🔍

[Home](#)  [connexion](#)

Name

Surname

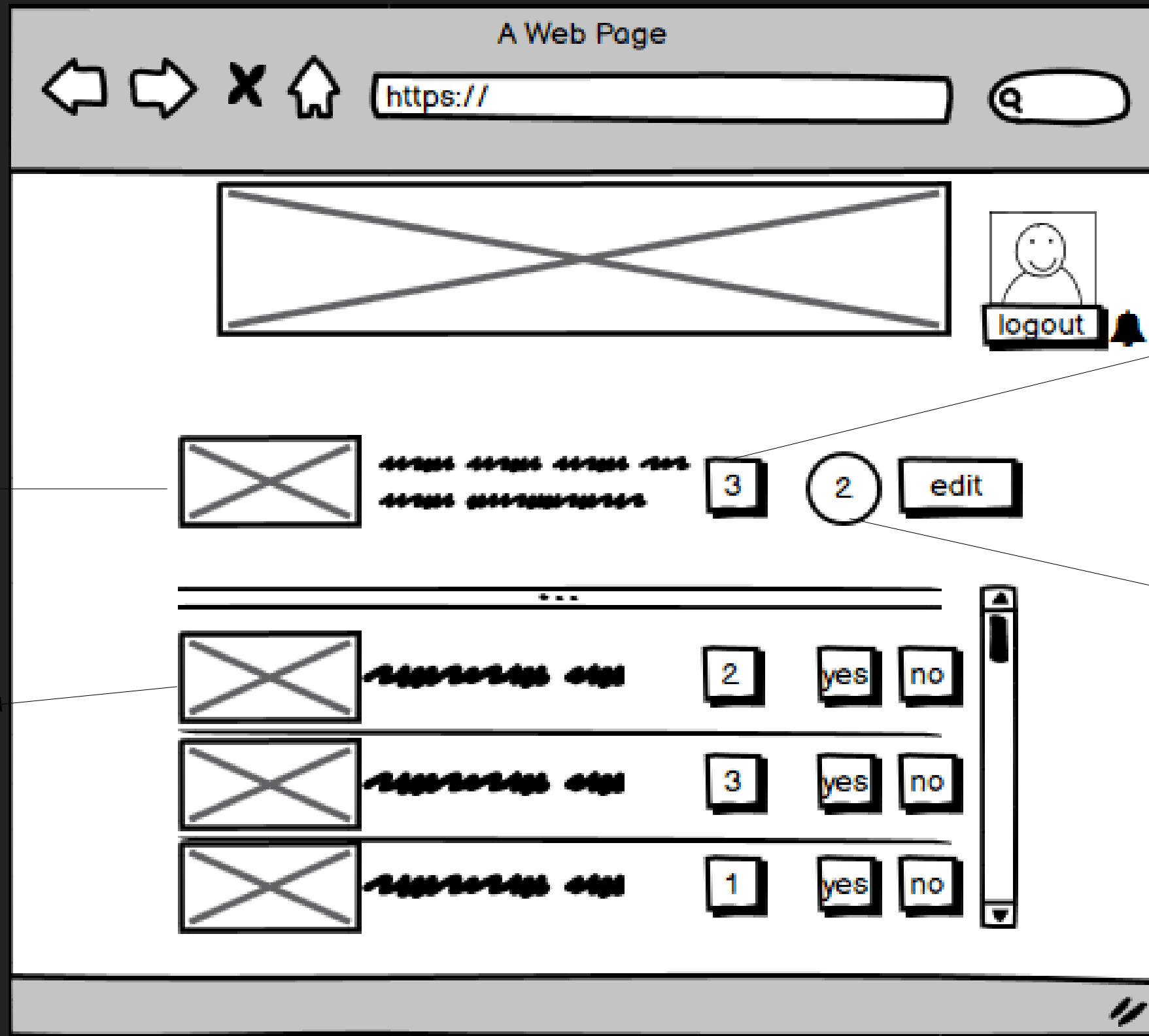
Date of Birth

e mail

password

[sign up](#)

Mock-up : Confirm Passenger



Current flight

Consumer request

Number of request for the flight

Number of available place

Backlog

Functionality	Priority	Difficulty
As an user i want to use the software by a website	5	5
As a user i want to use the system with a mobile interface	1	5
As an user i want to receive an e mail alert when their is news in a flight i'm interest and e mail alert the day before the flight	3	3
As a comsummer user i want to book a flight	4	3
As an user i want to connect to the website and see flight that i'm participate	3	4
As a pilot user i want to add a flight that i can edit	4	2
As a pilot user i want to accept or deney a consumer request	3	2
As a consumer user i want to see all flight avalaibe	3	2
As an user i want to creat my profile	2	2
As a comsummer user i want to search flight according to my criterion	4	3

Web service (for more look Planepool\jetty-jerseys\src\main\java\com\example\jetty_jersey\ws)

type	url	behavior
POST	/home/login	login with email and password
DELETE	/home/id	delete user by id
GET	/home/connection/{id}	get user by id
GET	/home/search/{departure}/{date}	get flight by departure and date
GET	/home/search/	get all flight
PUT	/home/{utilisateur}/connection	add user
GET	/flight/flight/{id}	get flight information by id
GET	/pilot/{id}	get the list of passenger
POST	/flight/information	get information about the flight
DELETE	/flight/{id}	delete flight
GET	/flight/connection/{id}	get flight by id
PUT	/flight/ajout	add flight
POST	/profile/info_name	change name

Exemple of webservice

```
@Path("/home")
public class HomeResources {

    @POST
    @Produces(MediaType.APPLICATION_JSON)
    @Path("/login")
    @Consumes(MediaType.APPLICATION_FORM_URLENCODED)
    public boolean login(@FormParam("mail") String mail, @FormParam("password") String password) {
        User conect = fao.getUser_DAO().getUser(mail, password);
        if (conect == null)
            return false;

        return true;
    }

    @POST
    @Produces(MediaType.APPLICATION_JSON)
    @Path("/priority")
    @Consumes(MediaType.APPLICATION_FORM_URLENCODED)
    public void postRequest(@FormParam("id") long id, @FormParam("request") boolean request) {
        fao.getUser_DAO().postRequest(id, request);
    }
}
```

Interface



[INSCRIPTION](#) [CONNEXION](#)

PlanePool

CoPlaner jusqu'au bout du monde

Airbus	Paris	Londres	07/05/2021	16:25	2 places	Plus d'informations
Airbus	Paris	Londres	07/05/2021	16:25	2 places	Plus d'informations
Airbus	Paris	Londres	07/05/2021	16:25	2 places	Plus d'informations
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