

# **Assignment number 1**

***Functional and technical Design***

***Sharing and Enjoying Website***

**Full Stack Developer Boot-camp**

**Front-end and back-end 2022/05**

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# First Assignment

## 1. Functional design

### 1.1 Problem solution

The fast growing tourism activity is diversifying the demand and services demanded and offered in this sector. One of them is participatory tourism. There are people who are interested in traveling around the world stays with local families and experiencing the local way of living. On the other hand, there are also local families willing to offer their services to increase their incomes.

However, for this sector or the market there are not many platforms or websites where they can search local families to fulfill their dreams to travel as alternative tourists. It also count for local to offer their services.

To support the growth of participatory tourism, I am aiming to build a platform where local people can offer their services and traveler can find them easily.

### 1.2. Functional requirement

These app will have the following functions:

a) Sign-up button.

It will collect the following information:

- User name
- First and last name
- Age
- Gender
- Nationality under which he/she is traveling or offering their services
- City
- Address
- Particular interest (what he/she is looking or offering)
- Additional extra information

b) Sign-in button.

To sign-up will required:

- Email address / username
- Password

c) Services provider profiles maker.

Type of services he/she is offering to be selected:

- Offered services:
  - Hotel
  - Hostel
  - Private house/ just for tourist
  - Room at familiar house
  - Sharing familiar house
  - Camping at familiar house
- Description of type of services
  - Location: city, village.
  - Facilities: Hot water, toilet, medical services, etc.
  - Quality of services (What type of services they provide / food, transport, guiding, etc.)
  - Special tourism activities to do around the accommodation
  - Price by day including taxes
- Description of their experience with this business
  - String: How long he/she is working /what he have learn from others.
- Description of particular interest of tourist
  - In what type of tourism is he/she specialized.
- Description of not desire tourist
  - Which type of tourism is not welcome to her/his place
- Terms and condition of renting their services
  - Document with the description and legal
- Certification and legal permission
  - Documents to prove that they have a permission o local authorities to work with tourism with warranty

d) Services user profiles maker.

- Place of interest to travel
- Type of experience looking for
- Particular health problems
  - High blood pressure
  - Diabetics
  - Etc.
- Diet
  - Allergies information
  - Food intolerance information
- Date
  - Period of time interested to stay at some places.

e) Booking function.

It will require the following information

- Type of service booked
- Entrance date
- Departure date
- Price
- Agreements

f) Rating.

It will be scored assigning number of start to the owner of the services form zero to ten

- Score

g) Comments.

The service user or provider can leave any kind of comments in the profiles of service user or service consumer.

### 1.2.1. User stories and triggers

- The home page design and information should triggers in the visitor the need to open his/her profile to join the community of travelers.
- A user of the platform must be useful to have private profile with his or her information shared by him self.
- To achieve the above mentioned profile, the user must have the password and username/email.
- To have more visibility, the initial user have expand his personal and commercial profile later on after building his first profile.
- The user must be able to search services providers and another traveler according his interest places and come in contact with them to use the service of arrange a join trip with another that has the same experience.
- The chat button must bring in contact two or more platform users to exchange ideas and trip ideas.
- To arrange the trip via the platform, the user must be able to book a services within the platform.
- After using the provided service or experiencing with the travelers both parties must have the possibility to leave their impressions, experience in the platform by assigning a commercial rating to the service provider or user.
- The services provider must be able to handle his profile and bookings in order to accept or react a booking made by a consumer.

### 1.2.2. Positive and alternative scenarios

#### SIGN UP

Positive scenery.

Use cases	Sign-up
Actor	User
Trigger	Sign-up button
Precondition	Visible button at the corner of the website
Main Succeed scenery	<ul style="list-style-type: none"><li>• The user click on the sign-up button.</li><li>• The user fill in all the required form.</li><li>• The user send the data to the back-end and receive a confirmation email be to checked if he is the one who is behind the profile.</li><li>• The user confirm his email by opening the link.</li></ul>
Post condition	The user is able to sign-in and have access to the entire platform functionalities.

### Alternative scenery

Use cases	Sign-up
Actor	User
Trigger	Sign-up button
Precondition	Visible button located at the corner up of the platform
Main Succeed scenery	<ul style="list-style-type: none"> <li>The user click on the sign-up button.</li> <li>The user do not fill in all the required form fields.</li> <li>The system send back a message to the user that she/he must fill all the mandatory fields in the forms.</li> <li>The user fill all the mandatory fields and send the data to the back-end. However, if the errors persist, the system will him/her let know to solve this problem.</li> <li>In case that they are not fixing the errors and will send back the errors message.</li> <li>The user send a right information and they get a confirmation email to be confirmed by clicking on it.</li> </ul>
Post condition	The user can long in and have access to the platform functionalities.

### SIGN IN

#### Positive scenery.

Use cases	Sign-in
Actor	User
Trigger	Sign-in button
Precondition	Visible button at the corner of the website next to sing-up
Main Succeed scenery	<ul style="list-style-type: none"> <li>The user click on the sign-up button.</li> <li>The user fill in all the required information.</li> <li>The user send the data to the back-end.</li> </ul>
Post condition	The user get access to his personal profile and all the functionalities.

### Alternative scenery

Use cases	Sign-in
Actor	User
Trigger	Sign-in button
Precondition	Visible sign in button located at the corner of the platform next to sign-up button.
Main Succeed scenery	<ul style="list-style-type: none"> <li>The user type a wrong password or username.</li> <li>The system send a message asking to fill all the right data.</li> <li>The user fill all the mandatory fields and send the data to the back-end. However, if the errors persist, the system will him/her let know to send the proper data.</li> <li>In case he/she forgot his password or username, he will be asked to submit a new data by sending a link to be open.</li> <li>The user fill the data and send to the back-end to be save.</li> <li>The user can use his new data to sing-in.</li> </ul>
Post condition	The user sing in his personal account.

## EXPAND PROFILE

Positive scenery.

Use cases	Expand profile
Actor	User
Trigger	Visible expand profile button after sign-in the platform
Precondition	Visible button at the corner of the website
Main Succeed scenery	<ul style="list-style-type: none"><li>• The user click on the expand your profile button.</li><li>• The user user get the first question to chose which type of service he is looking or providing.</li><li>• After sending this information he/she will received a form to be fill in according to the above choose criteria</li><li>• The user send data to back-end.</li></ul>
Post condition	The user can see all his information back in his personal profile file.

Alternative scenery

Use cases	Expand your profile
Actor	User
Trigger	Expand your profile button
Precondition	A visible button display in the upper corner of the website upper sign in his personal profile.
Main Succeed scenery	<ul style="list-style-type: none"><li>• The user click on the expand your profile button.</li><li>• The user fill wrong type of data or exceed the amount of data permit per field.</li><li>• The system send back a message telling how should be fill in the form or the limit or characters.</li><li>• The user fix the errors and send the data.</li></ul>
Post condition	The user can see his data on the screen in his personal profile o page.

## BOOKING

Positive scenery.

Use cases	Booking
Actor	User
Trigger	Visible booking button after each services.
Precondition	The user choose the service to be booked
Main Succeed scenery	<ul style="list-style-type: none"><li>• The user choose the services to be booked.</li><li>• The user clink on the booking button and he will get back all the information to be selected and booked.</li><li>• The user fill all the data to be booked and agree with the terms and condition of the services to be booked</li><li>• The user send data to back-end.</li></ul>
Post condition	The user received a confirmation email in his personal email box.



### Alternative scenery

Use cases	Booking
Actor	User
Trigger	Visible booking button after each services.
Precondition	The user choose the service to be booked.
Main Succeed scenery	<ul style="list-style-type: none"><li>• The user does select a services to be booked.</li><li>• The booking button does not work and ask users to select a specific services to be booked.</li><li>• The user fill all the information but not agree with the terns and condition.</li><li>• The system send a warning that ha can no book if he does not accept the terms and condition by clicking on it.</li><li>• The user click on it and send the information.</li></ul>
Post condition	The user receive an email in his personal email box with all the details of his/her booking.

### RATING

#### Positive scenery.

Use cases	Rating
Actor	User
Trigger	Rating symbols display under each service.
Precondition	The user should have consumed the service.
Main Succeed scenery	<ul style="list-style-type: none"><li>• The user consume the service.</li><li>• The user rate the services.</li></ul>
Post condition	His rate is computed in the rating pictograms of the services provider.

### Alternative scenery

Use cases	Rating
Actor	User
Trigger	Rating symbols display under each service.
Precondition	The user should have consumed the service.
Main Succeed scenery	<ul style="list-style-type: none"><li>• The user did not use the services or rate the wrong profile services.</li><li>• The user receive a message that he is not allowed to rate the service without using it.</li><li>• The user rate the right service and send the data to back-end.</li></ul>
Post condition	His rate is computed in the rating pictograms of the services provider and display in his website.

## COMMENTS

Positive scenery.

Use cases	Comments
Actor	User
Trigger	Open comments text field in the base of the service provided or personal profile.
Precondition	The user should have consumed the service.
Main Succeed scenery	<ul style="list-style-type: none"><li>• The user consume the service.</li><li>• The user write a comments.</li></ul>
Post condition	The comments appears in the services page.

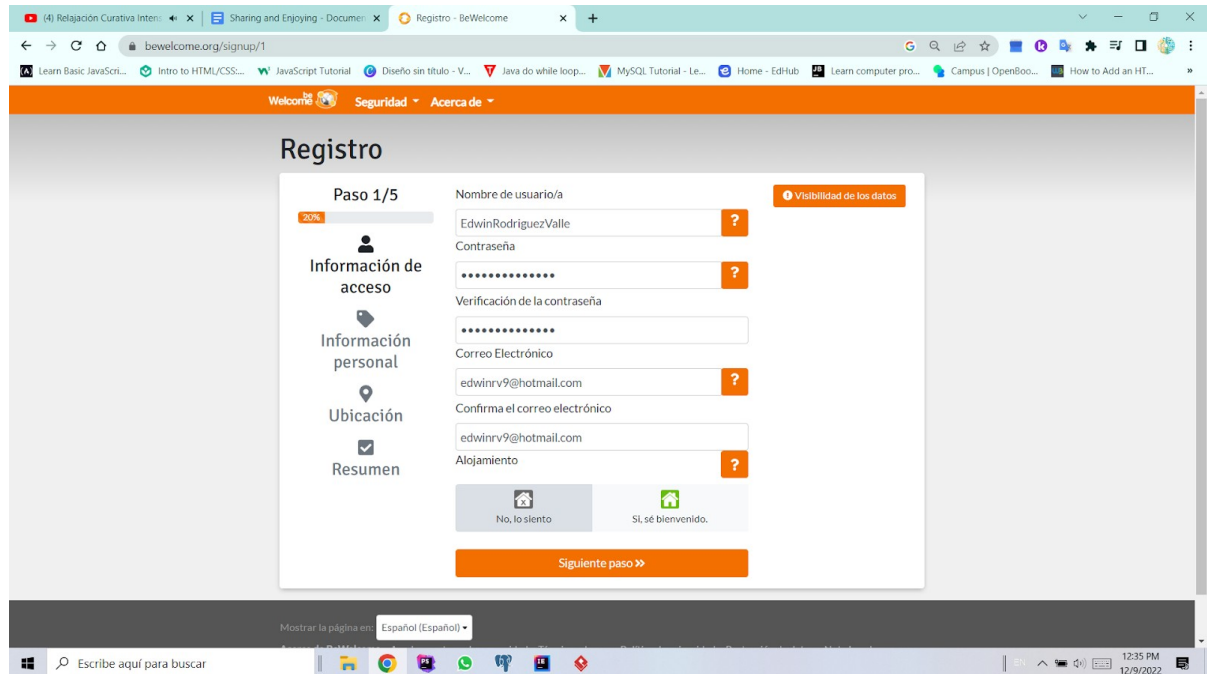
Alternative scenery

Use cases	Comments
Actor	User
Trigger	Open comments text field in the base of the service provided or personal profile.
Precondition	The user should have consumed the service.
Main Succeed scenery	<ul style="list-style-type: none"><li>• The user did not use the services or comments the wrong profile services.</li><li>• The user receive a message that he is not allowed to rate the service without using it.</li><li>• The user comments the right service and send the data to back-end.</li></ul>
Post condition	The comments appears in the services page of the services user or provider posted by newest date.

### 1.2.3. Inspiration Sources

The current project idea is inspired by the following pages:

#### Be Welcome



Registro

Paso 1/5

30%

Información de acceso

Información personal

Ubicación

Resumen

Nombre de usuario/a

EdwinRodriguezValle

Contraseña

Verificación de la contraseña

Correo Electrónico

edwinrv9@hotmail.com

Confirma el correo electrónico

edwinrv9@hotmail.com

Alojamiento

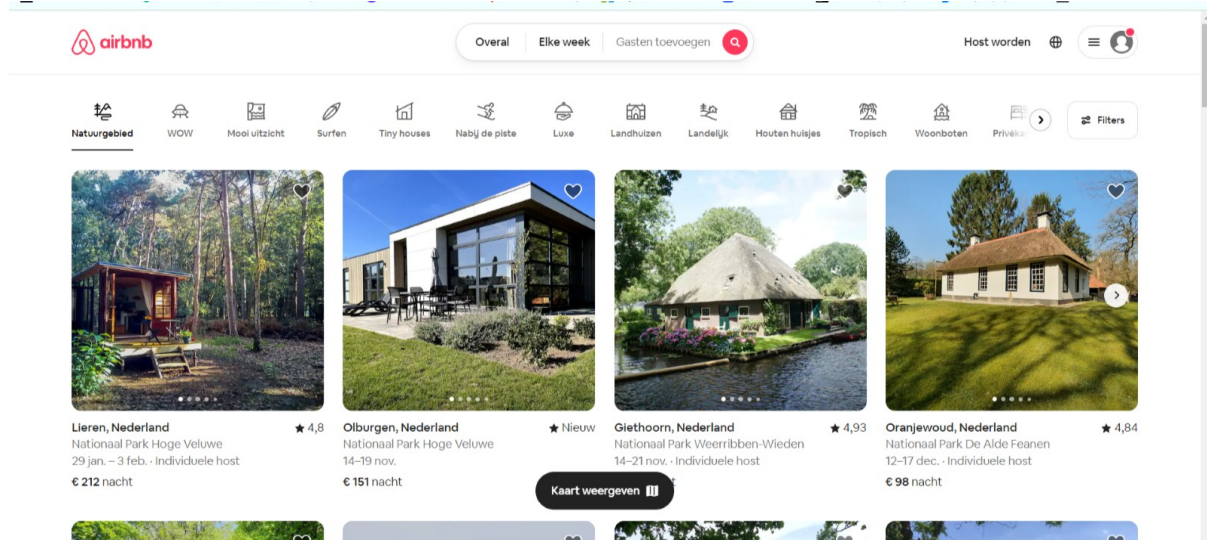
No, lo siento

Sí, sé bienvenido.

Siguiente paso >>

[https://www.bewelcome.org/?gclid=Cj0KCQiA\\_P6dBhD1ARIsAAGI7HCgbfot4qolUwwq88gNZmjNi2onopl39iOhXq\\_u0f7C-ReeavK2PAaAhYmEALw\\_wcB](https://www.bewelcome.org/?gclid=Cj0KCQiA_P6dBhD1ARIsAAGI7HCgbfot4qolUwwq88gNZmjNi2onopl39iOhXq_u0f7C-ReeavK2PAaAhYmEALw_wcB)

#### airbnb



<https://es-l.airbnb.com/>

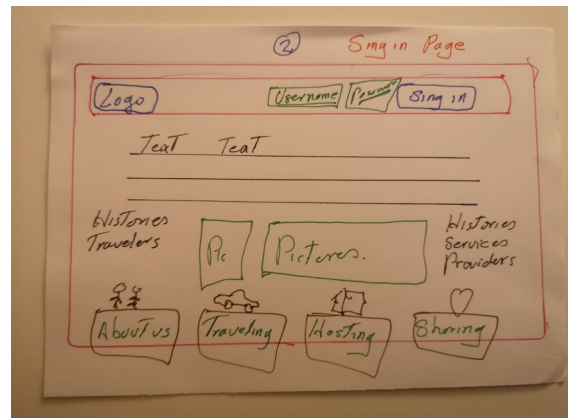
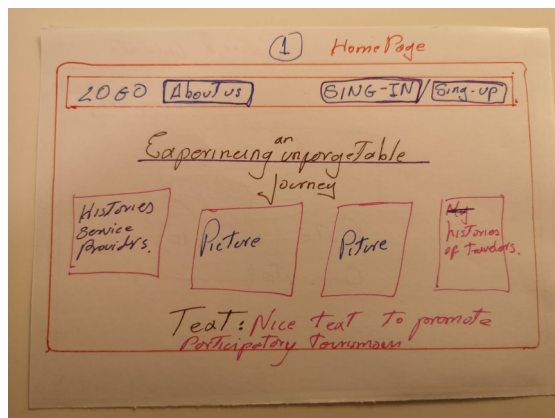
## Escapadas con alma



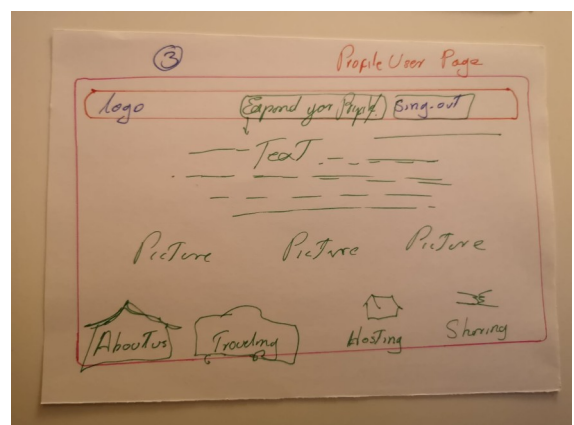
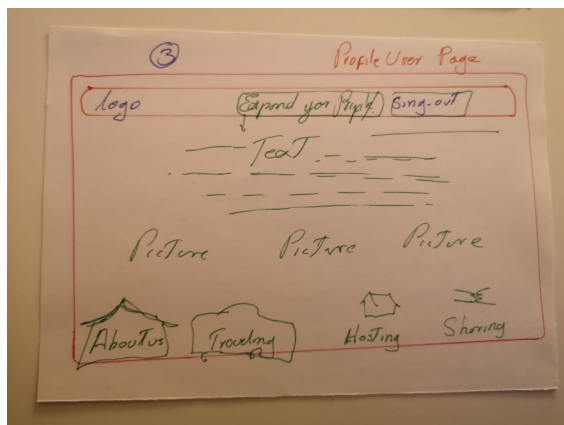
<https://turismovivencial.com/>

### 1.2.3. Wire-frames.

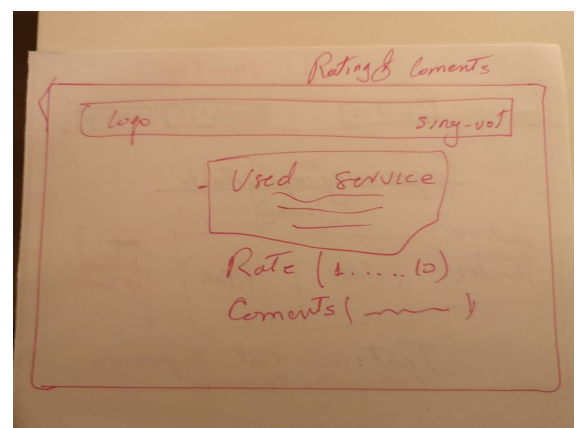
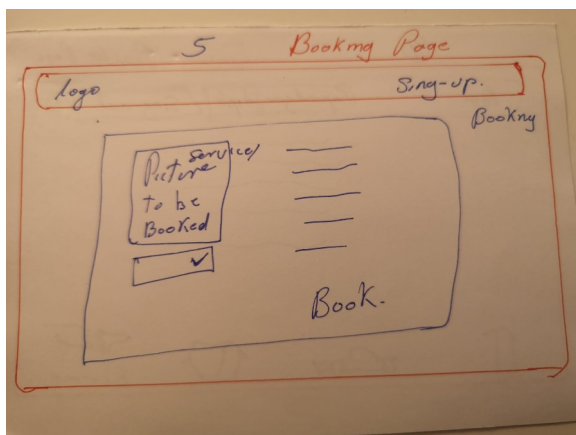
Page number one and two: Home page and sing in page.



Page number three and four: Profile user page and service provider page.

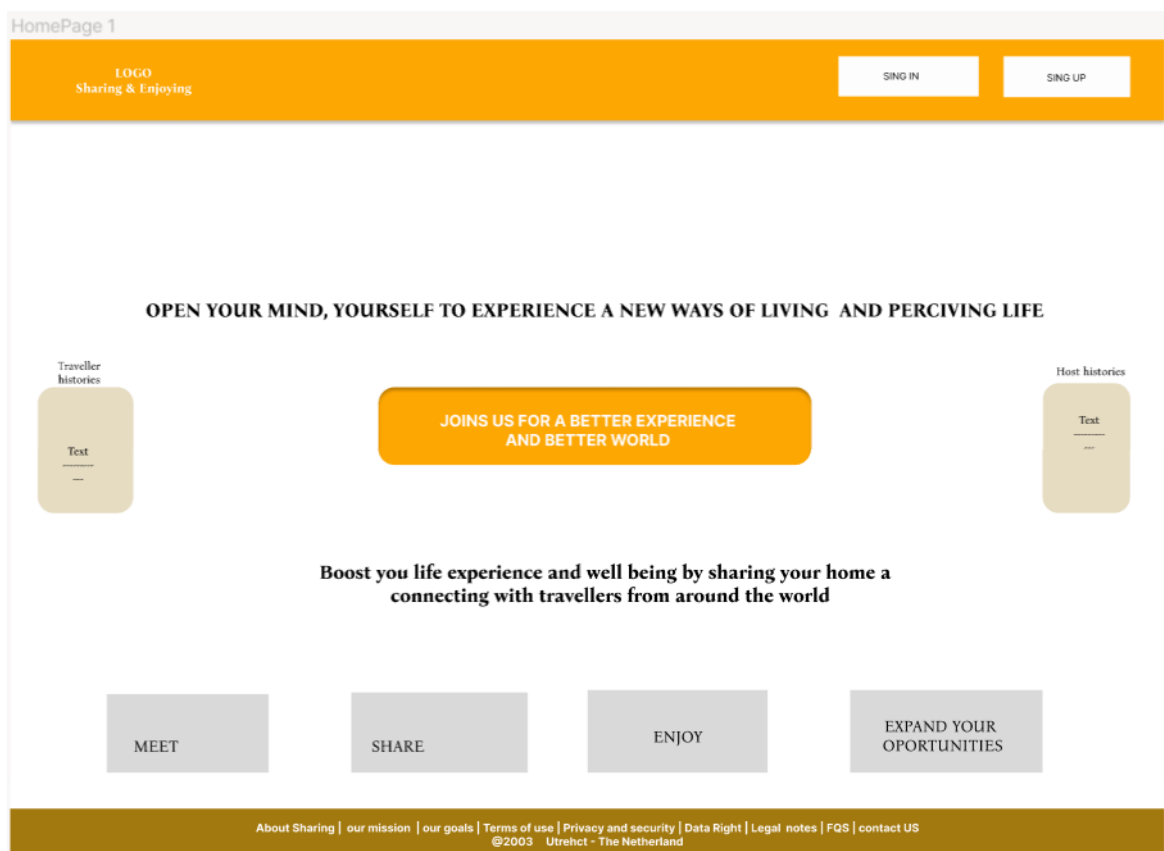


Page number five and six: Booking and rating and comments page:



## 1.2.4. Prototyping with Figma

Home page 1.



Sing up Page 2.

LOGO

Sharing & Enjoying

SING IN

SING UP

I want to be a:

Host

Travel

SING UP

First Name

Last Name

Email address

Country of residence

Nationality

Etc.

Submit

MEET

SHARE

ENJOY

EXPAND YOUR OPPORTUNITIES

About Sharing | our mission | our goals | Terms of use | Privacy and security | Data Right | Legal notes | FQS | contact US

©2003 Utrecht - The Netherlands

Sing in Page 3.

Sing In page 3

LOGO  
Sharing & Enjoying

USER NAME / EMAIL

PASSWORD

SING IN

PICTURE

PICTURE

PUBLICITY TEXT

PUBLICITY TEXT

PUBLICITY TEXT

PICTURE

PICTURE

The green area is a background picture

MEET

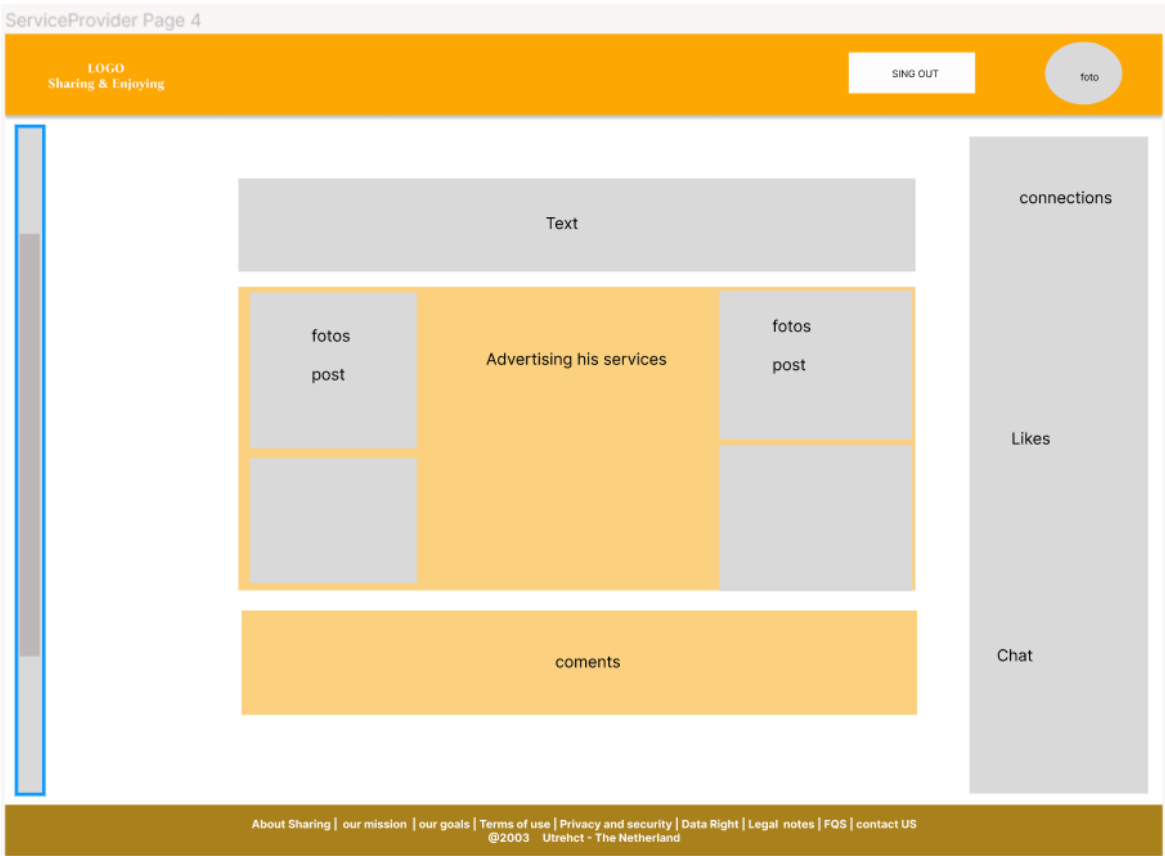
SHARE

ENJOY

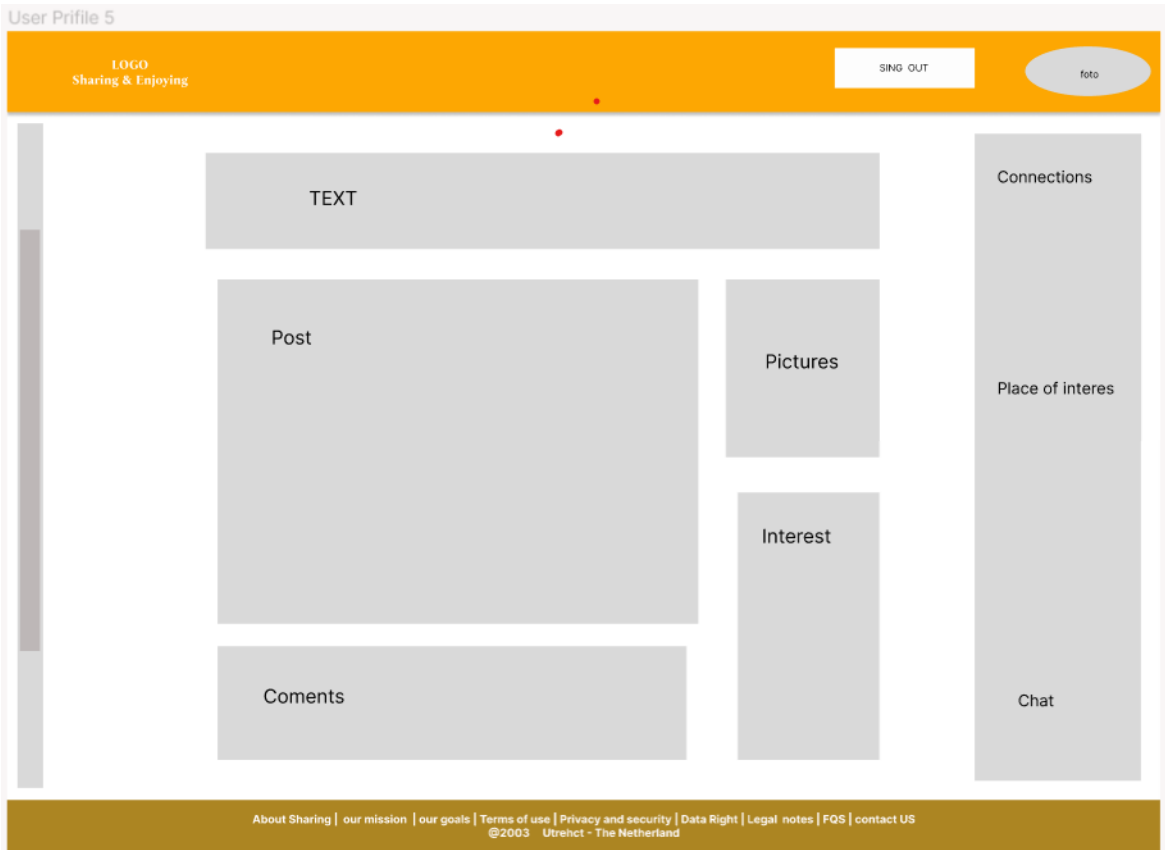
EXPAND YOUR OPPORTUNITIES

About Sharing | our mission | our goals | Terms of use | Privacy and security | Data Right | Legal notes | FAQs | contact US  
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Page 4.



User profile Page 5.





Booking 6

LOGO  
Sharing & Enjoying

SING OUT

foto

Book your service

Services

Photo

Photo

Photo

Text

Text

Text

←

□

□

Booking form : \ Full name | Bank account | Arrival and departure time and date |  
Additional comments for the services provider relates to food en healthy issues

Book

About Sharing | our mission | our goals | Terms of use | Privacy and security | Data Right | Legal notes | FQS | contact US  
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Link to Figma Project

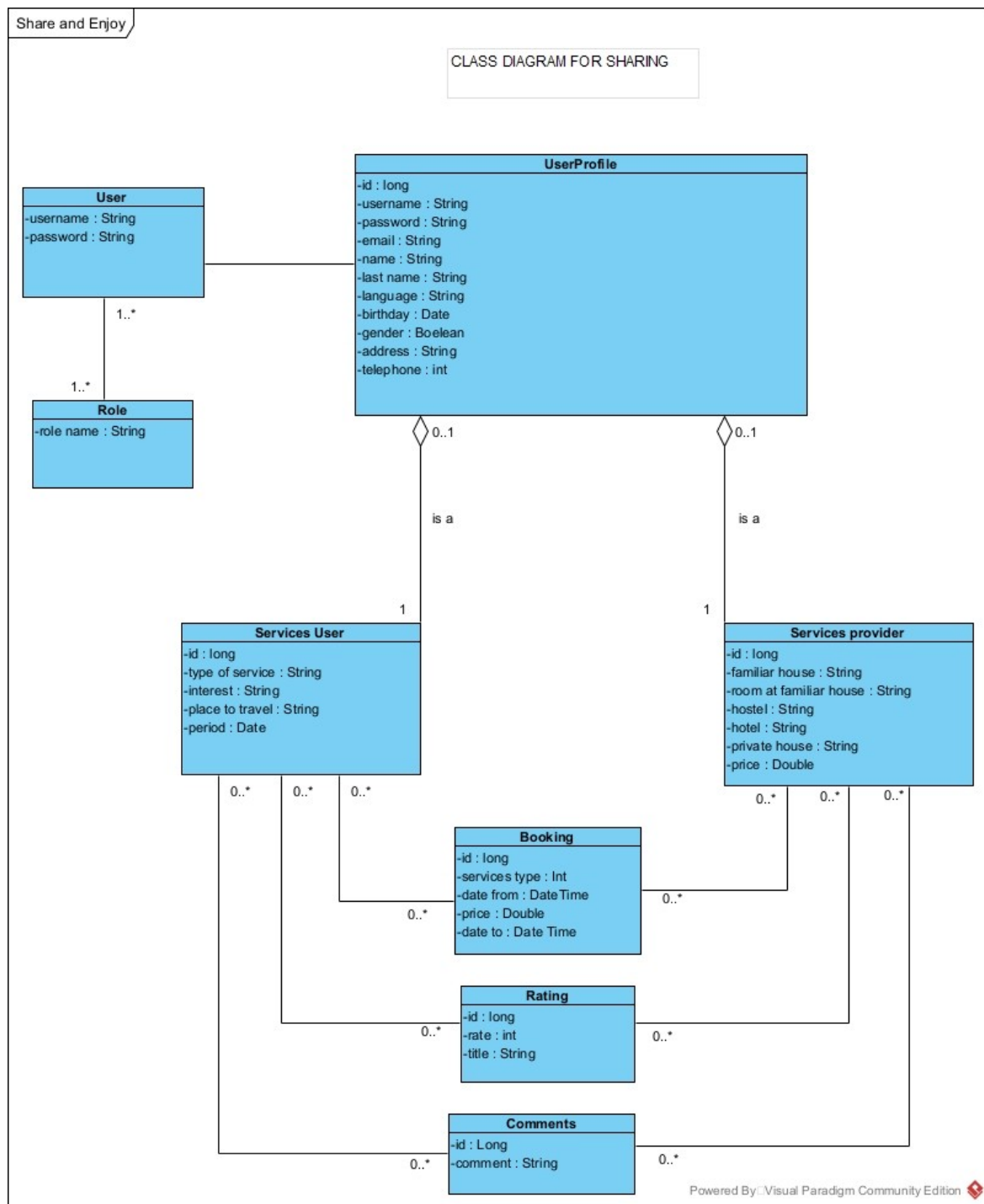
<https://www.figma.com/file/ZxGIcUK3zAGFIdYl3tDpPZ/NOVI?node-id=0%3A1&t=sgSoaJzLmDA7ruPs-0>



## 2. Technical Design

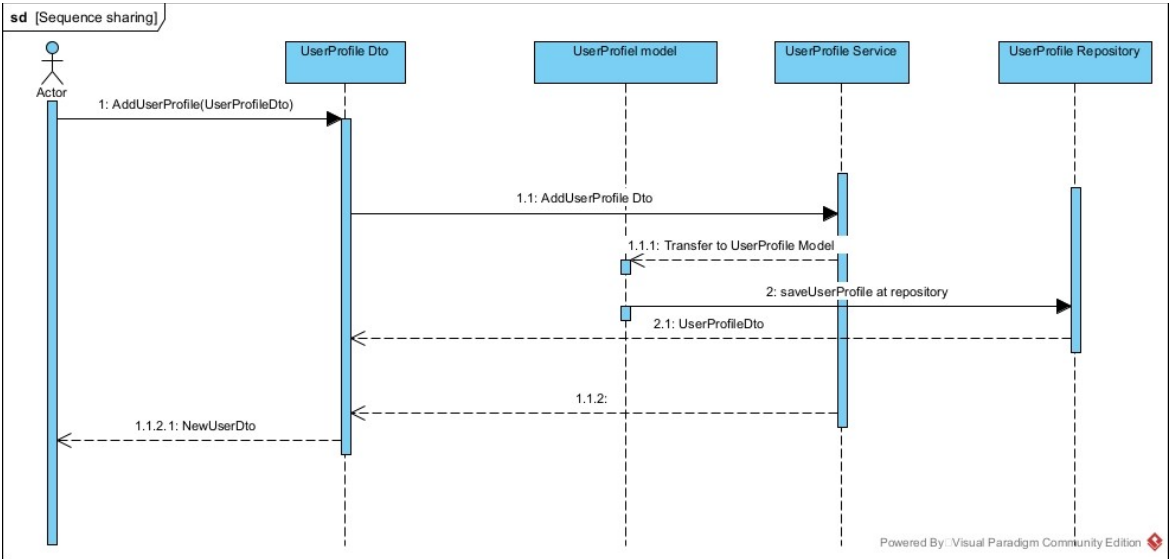
The technical design contains just class diagram and sequence two sequence diagram.

### 2.1. Class diagram Sharing and enjoying website:



## 2. 2. Sequence diagram

### 2. 2. 1 Sequence diagram user profile



### 2.2.2. Sequence diagram service provider

