

System Specifications Document of GOGO COACH Web Application

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Abstract

Any business that does not have a website is missing out on one of the most powerful marketing tools available to them. The main reason that it is important for businesses to have a website is how people are likely to find you. These days most people will go online and research products and companies before they make a purchase. For this reason of dependency on online, we develop a social platform to connect sports coaches with users interested in sports. Users can get various information about the coaches and he/she can access or enrol events organised by coaches by booking online. Usually, the client cannot get vast information about various coaches and their events in a single window. The client can also select the coaches based on their preferences. GoGo Coach is a social network that connects sports coaches with people who want to increase their physical activity or meet new people through sport. The observation is simple: too many people do not do sport or do little sport due to a lack of time, means or motivation. The objective of GoGo Coach is to address these issues by “uberizing” sports coaching and by making it easy for small incomes to be coached via group lessons.

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1. Introduction to GoGo Coach

GoGo Coach was born from the shared passion for sport and well-being of its two founders: Aline, image consultant, and Julien, sports and fitness coach. Their meeting in Paris in 2017 at the 1st Sport and Well-being Fair marked the beginning of the GoGo Coach adventure. Their mutual vision of democratizing sport and getting people to move pushed them to join forces in 2018 and to create their project. After a year of thinking about their concept, they are now launching their project with the aim of presenting it at this year's Sport and Well-being Fair.

2. Project objectives

2.1 Introduction

GoGo Coach is a social network that connects sports coaches with people who want to increase their physical activity or meet new people through sport. The observation is simple: too many people do not do sport or do-little sport due to a lack of time, means or motivation. The objective of GoGo Coach is to address these issues by "uberizing" sports coaching and by making it easy for small incomes to be coached via group lessons.

2.2 Qualitative objectives

The goal of the application is to connect sports coaches with users. The first objective is to allow coaches to present their services and philosophy through the creation of their own page. Active users will be able to bookmark the pages of coaches near their home or work and to follow the availability and events proposed by these coaches. The second objective is to democratize physical activity by offering group lessons at a decreasing rate according to the number of participants. Clients will also be able to locate at a glance the available coaches in their vicinity via an interactive map system.

2.3 Quantitative objectives

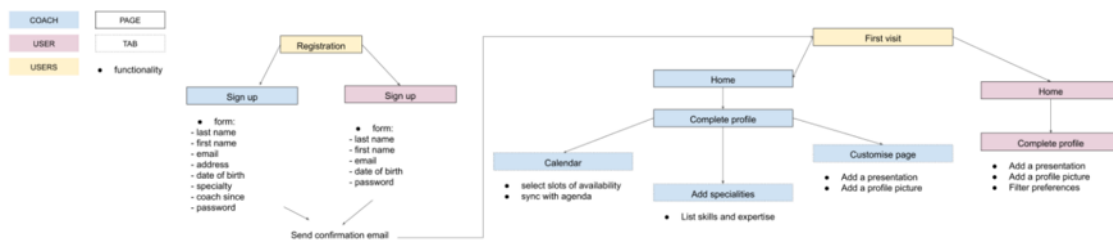
Enrolment objectives: 5000 registered in the first year, with 1000 coaches (mainly in Paris, Lyon, Marseille and Bordeaux, before a roll-out throughout France). Frequency of use: daily to follow the coaches' news, 1 to several times a week to book a session.

3. Project presentation

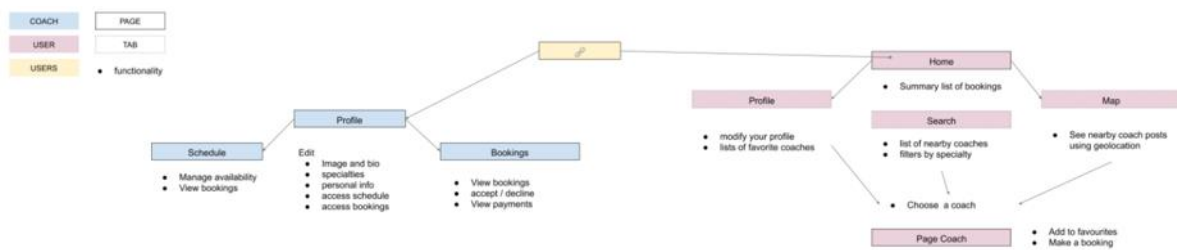
The project is a web application, which can also be consulted on mobile phones and tablets. Access to the site and registration are free: GoGo Coach makes money by taking a percentage of all bookings made through the application. Reservation and payment are made via the application. The objective is to release an operational v1 to be presented during the Sport and Well-being Fair.

3.1 User Journeys:

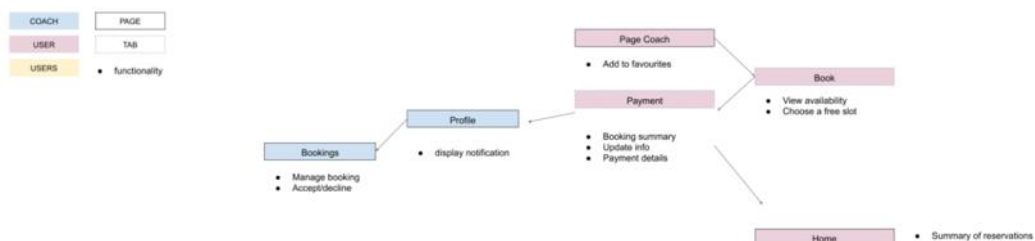
3.1.1 Registration Journey:



3.1.2 Complete User Journey:



3.1.3 Booking and Payment Journey:



4. System Analysis and Design

Users are divided into two categories: we will call here

- coach a sports professional who offers their services on the platform,
- client an individual seeking physical activity,
- users will designate the two categories

4.1 System Analysis of requirements

4.1.1 Functional Requirements

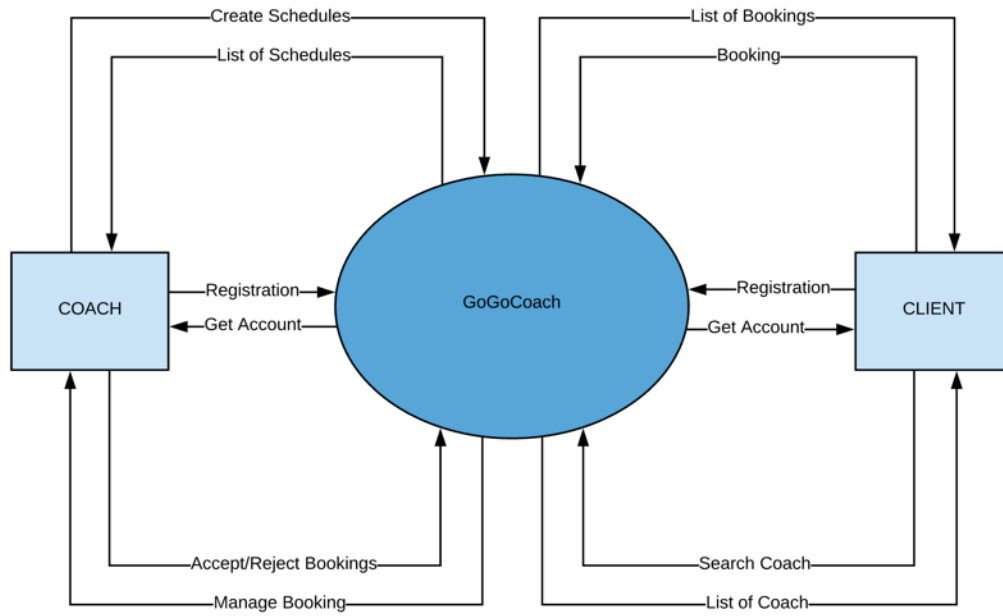
- User account for client and coaches
- creation of "coach" pages
- possibility to add content to the pages
- users can favourite "coach" pages
- interactive map – geo-location-based availability of coach post filters
- Search for nearby coaches
- search/filter by speciality of coach
- creation of schedule
- booking of events
- push notifications
- payment system for events

4.1.2 Non-Functional Requirements

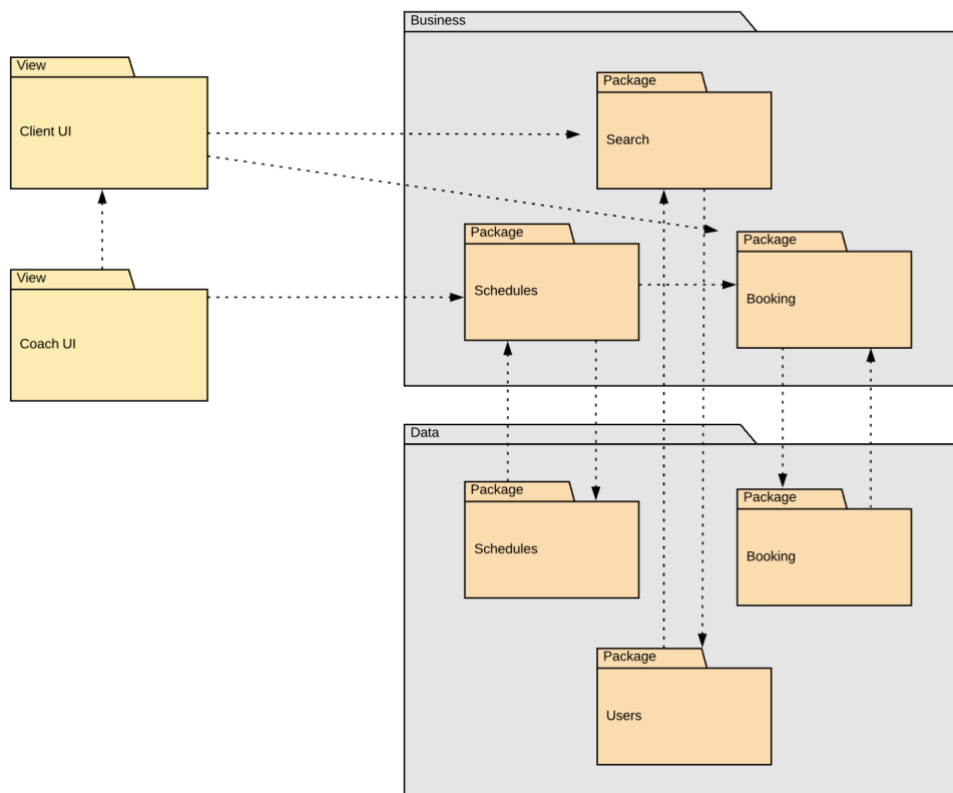
- The system should only be available to registered users.
- Creation of events should be sync with the objective of the system.
- Enrolment objectives: 5000 registered in the first year, with 1000 coaches (mainly in Paris, Lyon, Marseille and Bordeaux, before a roll-out throughout France).
- Frequency of use: daily to follow the coaches' news, 1 to several times a week to book a session.

4.2 System Design of requirements

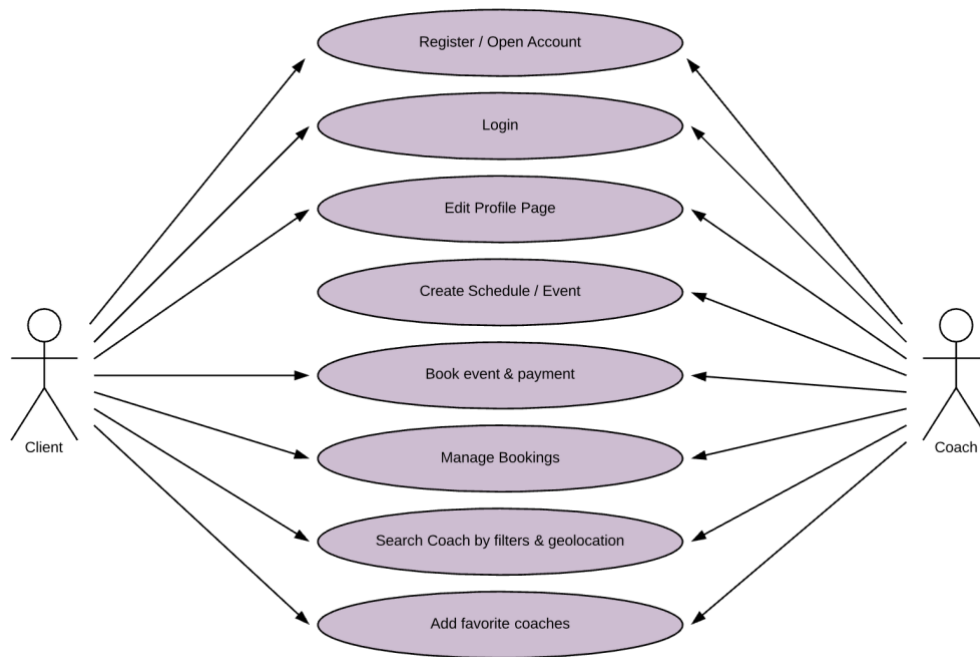
4.2.1 System Context Diagram



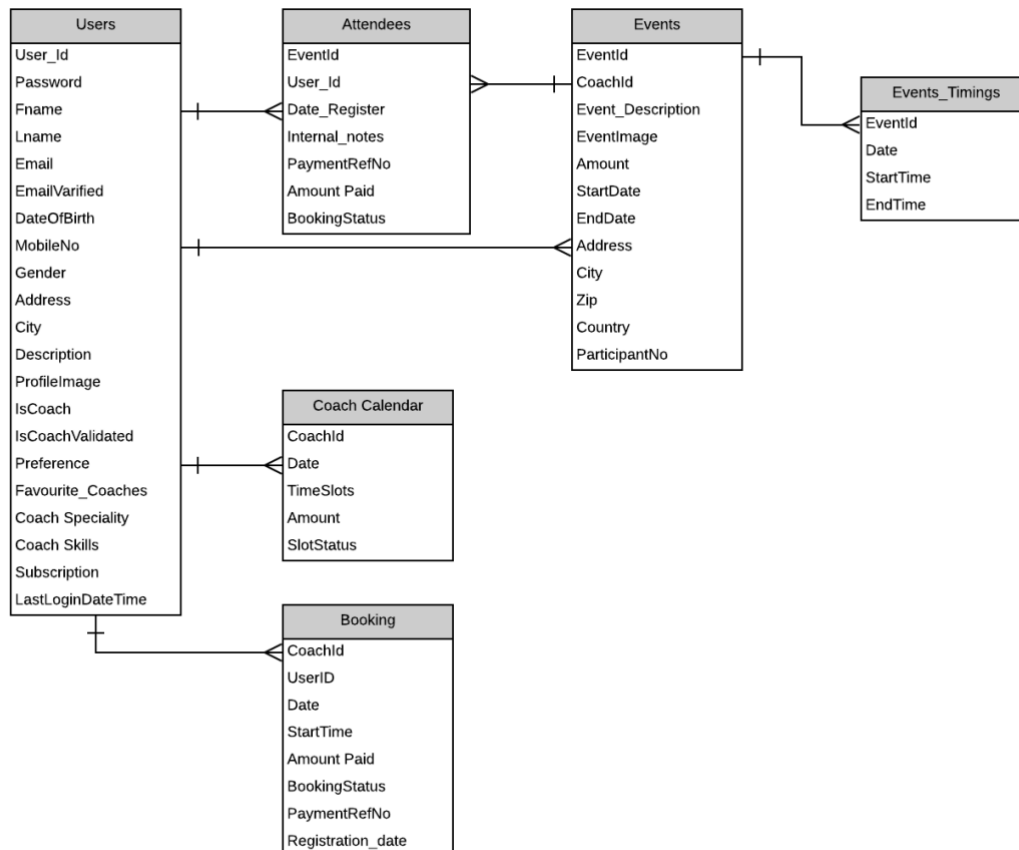
4.2.2 Package Diagram



4.2.3 Use Case Diagram



4.2.4 Database relationship Diagram



5. Modules & Features

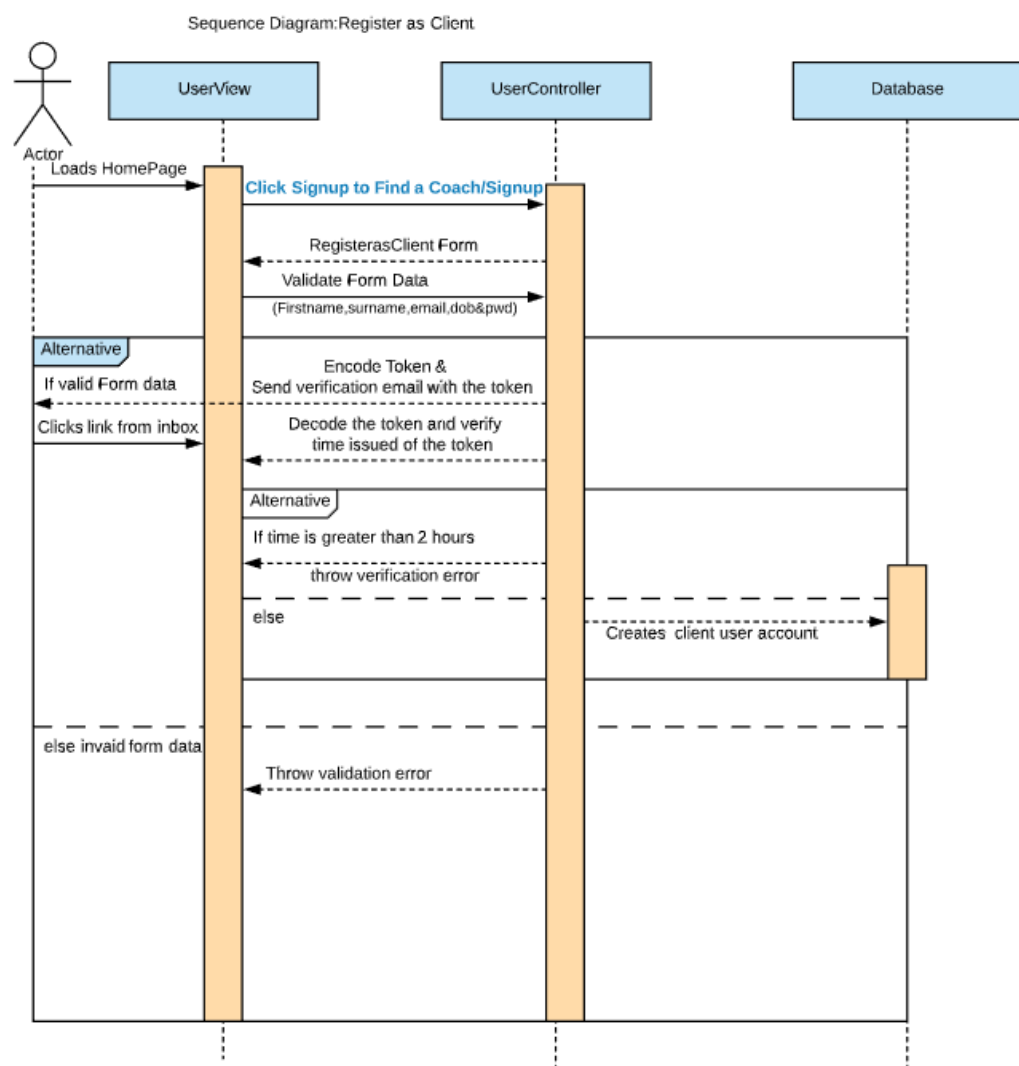
5.1 Register Module

➤ Description:

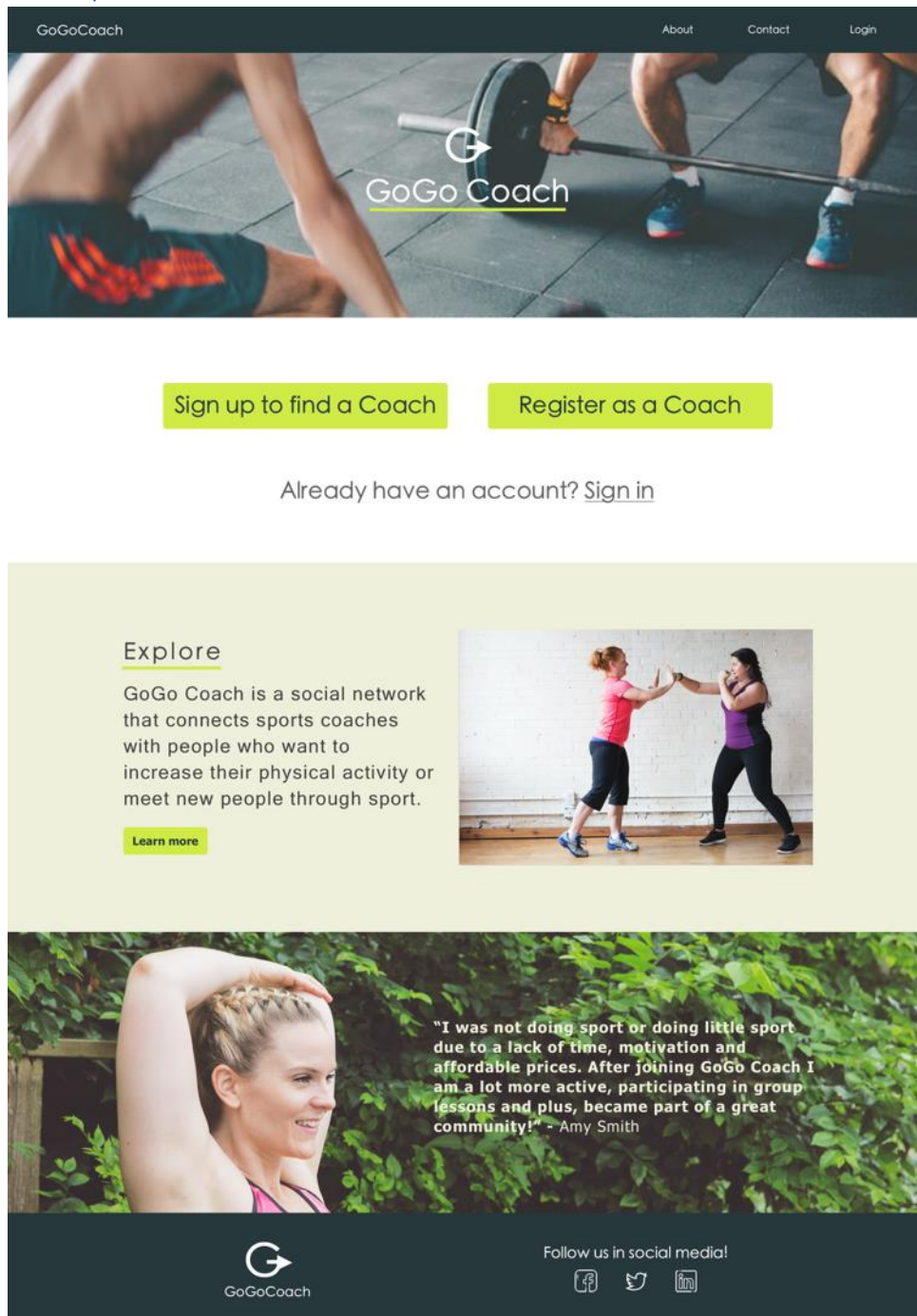
Users register all their details to create an account in the system. Registered users can be either a sports coach or client to access the system.

- The client creates an account by providing first name, surname, email, date of birth and password.
- Sports coach creates an account by providing the first name, last name, email, address, date of birth, speciality, coach since and password.
- After validating the form data, the user generates a token and generate the email link and embed the token in the verification link. Send verification link through email to the user email id provided in the signup form.
- When the user triggers the verification link from the email, decode the token and verify it. If it is valid, user data is created in the database.

➤ Sequence Diagrams



➤ Mockup Screens:



[Sign up to find a Coach](#)[Register as a Coach](#)

Already have an account? [Sign in](#)

Explore

GoGo Coach is a social network that connects sports coaches with people who want to increase their physical activity or meet new people through sport.

[Learn more](#)

"I was not doing sport or doing little sport due to a lack of time, motivation and affordable prices. After joining GoGo Coach I am a lot more active, participating in group lessons and plus, became part of a great community!" - Amy Smith

GoGo Coach

Follow us in social media!



Register to find a GoGo Coach

First name:

Last name:

Email:

Date of birth:

Password:

Confirm password:

Submit

Register to become a GoGo Coach

First name:

Last name:

Email:

Adress:

Date of birth:

Speciality:

Coach since:

Password:

Confirm password:

Submit

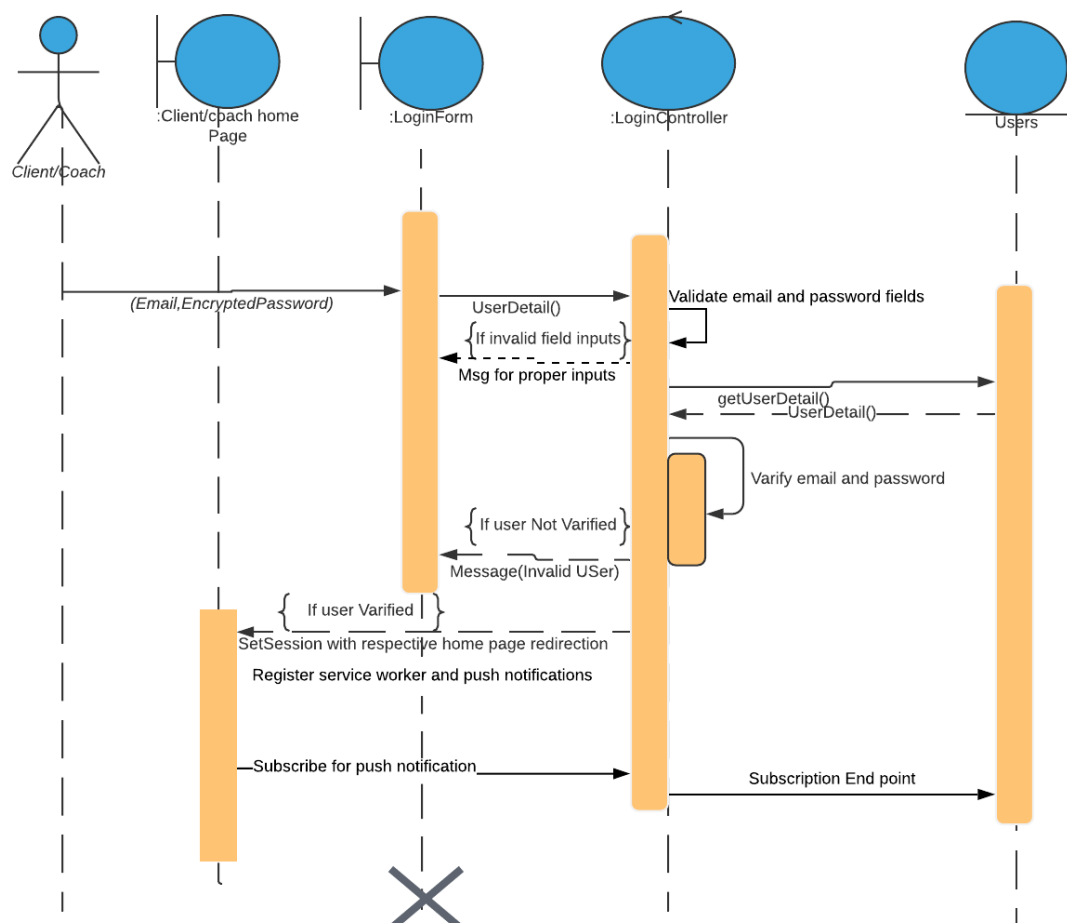
5.2 Login Module

➤ Description:

After creating an account, the user logs in to the system by providing username and password. An error message will be displayed for an invalid user. If valid user, the user is redirected to the home page with a welcome message to complete the profile. Users can be either a sports coach or client to access the system. After successful login,

- Client's homepage will have a My profile, Find a coach and logout navigation links.
- A sports coach will have a My profile, Bookings, Schedule, Find a coach and Logout navigation links.
- Sports coaches can also access the system as a client.
- Push notification subscription confirmed and saved in the system

➤ Sequence Diagrams:



➤ Mockup Screens:

GoGoCoach About Sign up

Login

Your email*:

Password*:
 [Forgot your password?](#)

Don't have an account? [Sign up.](#)

Login

5.3 Profile and Search Module

➤ Description of Profile Module:

Valid Users can edit their profile and update their details.

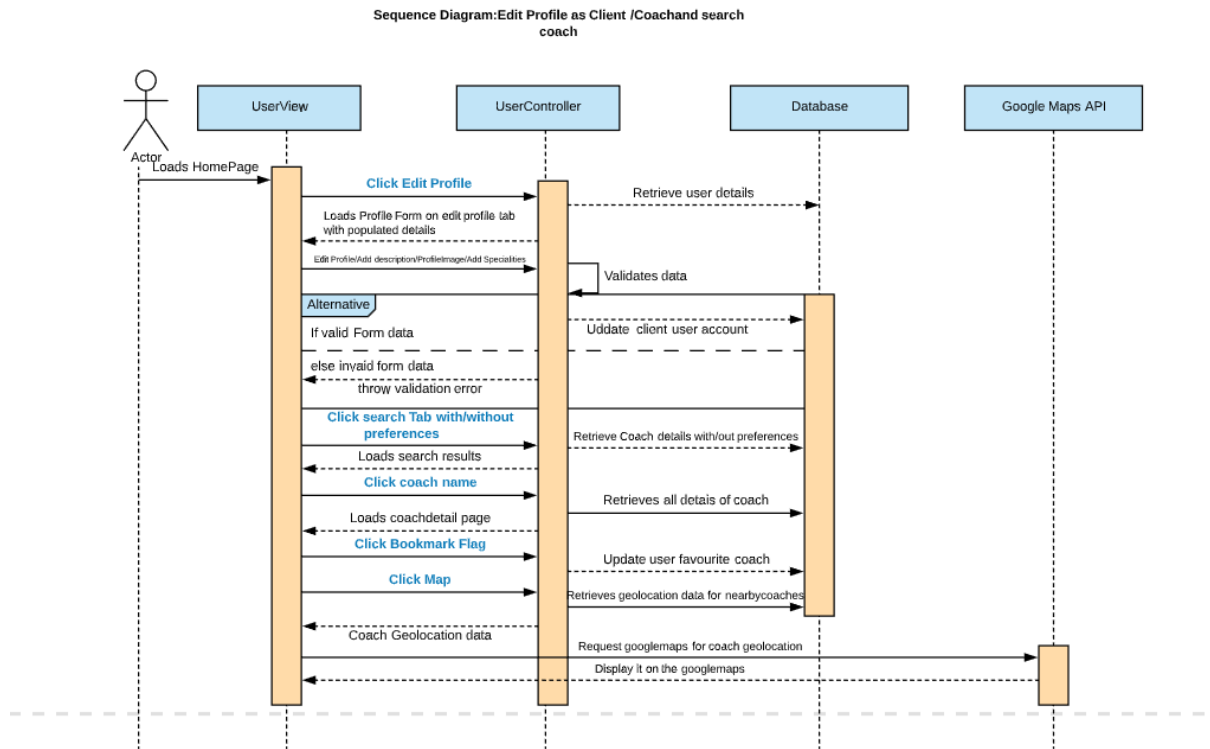
- Clients edit their profile by adding presentations and preferences and updates the profile picture.
- Sports coach can edit their profile by updating their skills and expertise, presentation details and profile picture.

➤ Description of Search Module:

Users can search for a coach based on location and their speciality. Users can also filter coaches based on geographic location.

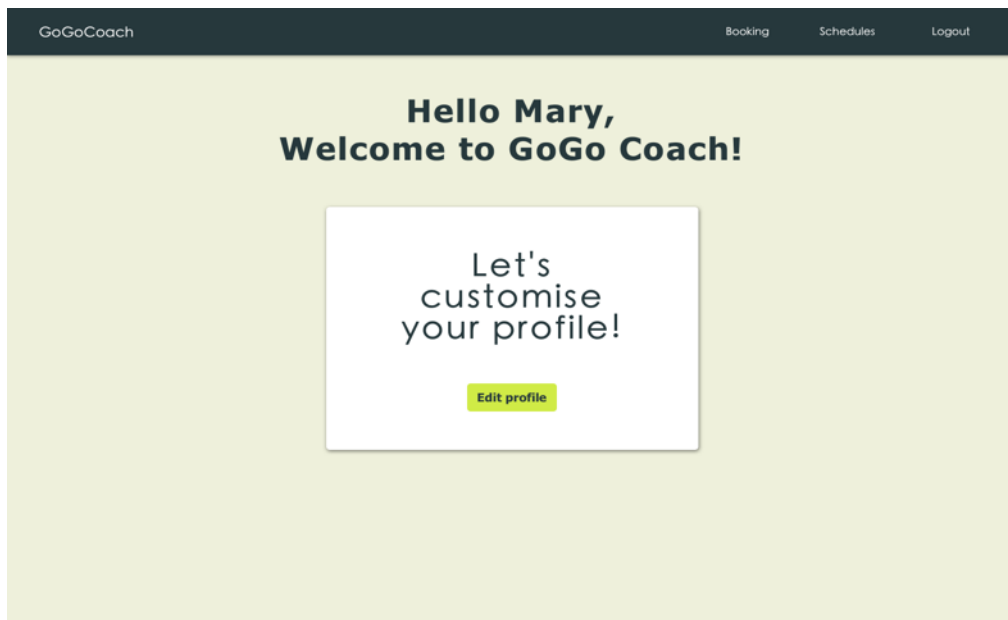
- Clients search for a sports coach based on their speciality or location. Also, filter the coach based on geographic location
- Sports coach can also act as a client and search for other coaches and their events.

➤ Sequence Diagrams of Search and Profile:



➤ Mockup Screens:

Welcome message



First time Coach Profile

Profile

PROFILE

CALENDAR

ADD SPECIALITIES

EDIT PROFILE

SEARCH

MAP

[Edit profile picture](#)

First name:

Mary

Last name:

Smith

Email:

marysmith@email.com

Address:

15 place Jules Guesde 75006 Paris

Date of birth:

07/07/1985

Speciality:

Pilates

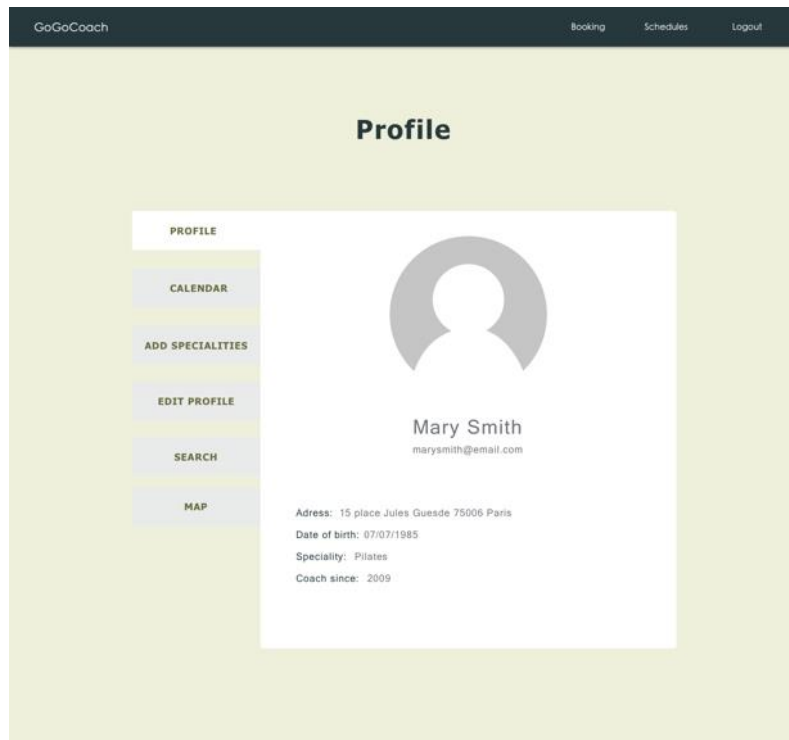
Coach since:

2009

Description:

Submit

Profile page before updating



Profile page after updating

GoGoCoach

BookingSchedulesLogout

You have 3 new bookings!

Hello Mary!

PROFILE


CALENDAR

ADD SPECIALITIES

EDIT PROFILE

SEARCH

MAP



Mary Smith

marysmith@email.com

Adress: 15 place Jules Guesde 75006 Paris

Date of birth: 07/07/1985

Speciality: Pilates

Coach since: 2009

Description:
I am pilates master trainer with more than 10 years experience giving lessons and as a personal trainer. My philosophy is "work smarter not just harder". I think is possible to have a fit life-style without crazy diets and every dayly exhaustive exercise.

Edit profile

You have a new booking!

Notified by GoGoCoach

First Time Client profile page

GoGoCoach

SearchLogout


Profile

BOOKINGS

PROFILE

SEARCH

MAP



[Edit profile picture](#)

Anne Green
agreen@email.com

Address: 87 place Jules Guesde Paris
Date of birth: 09/12/1991

Description:

Preferences:

Select

Pilates

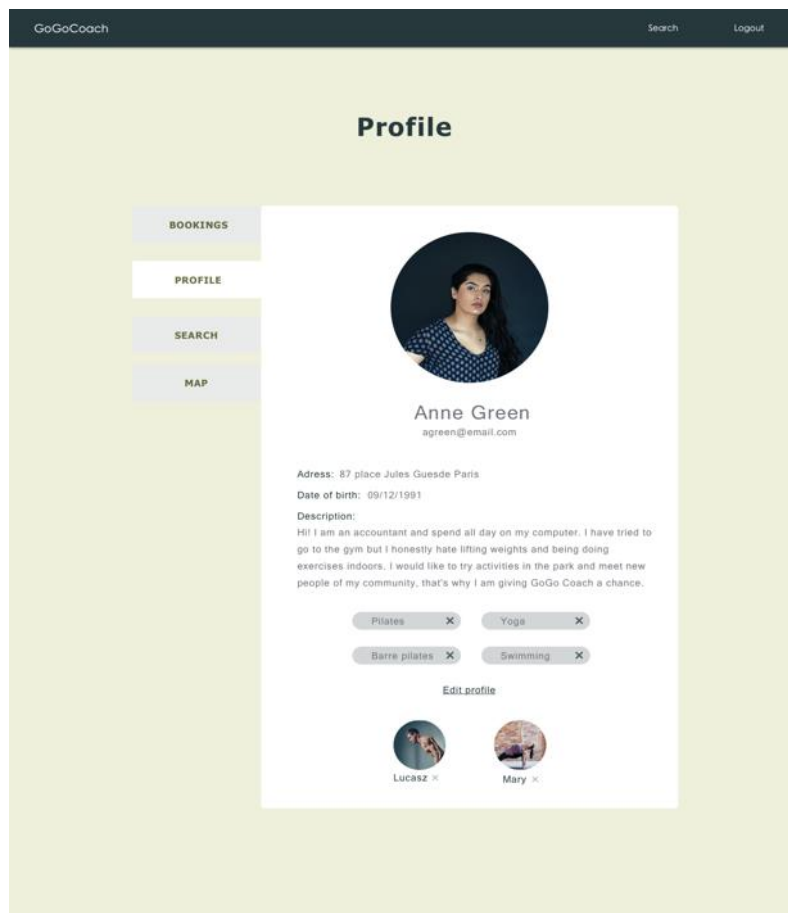
Yoga

Barre pilates

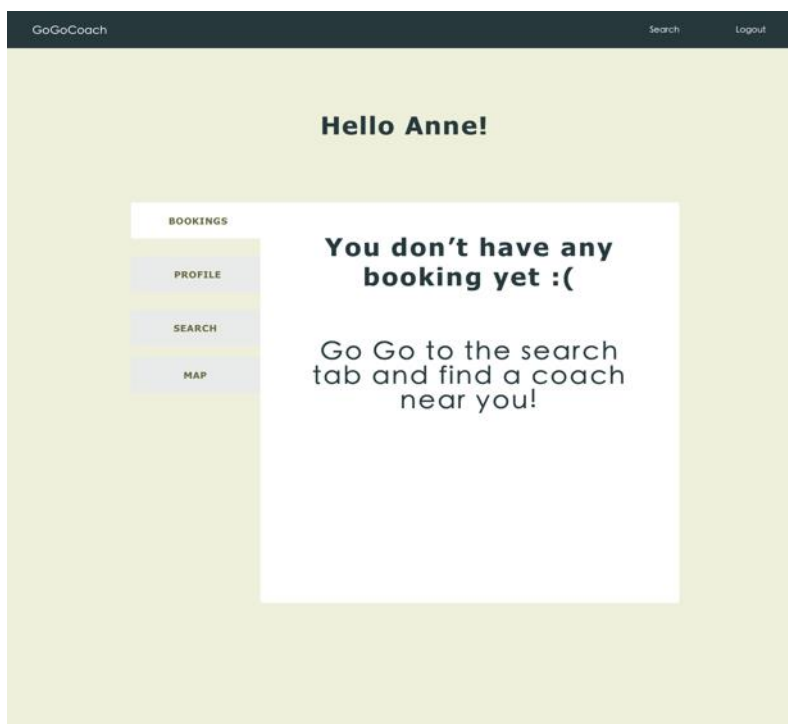
Swimming

Submit

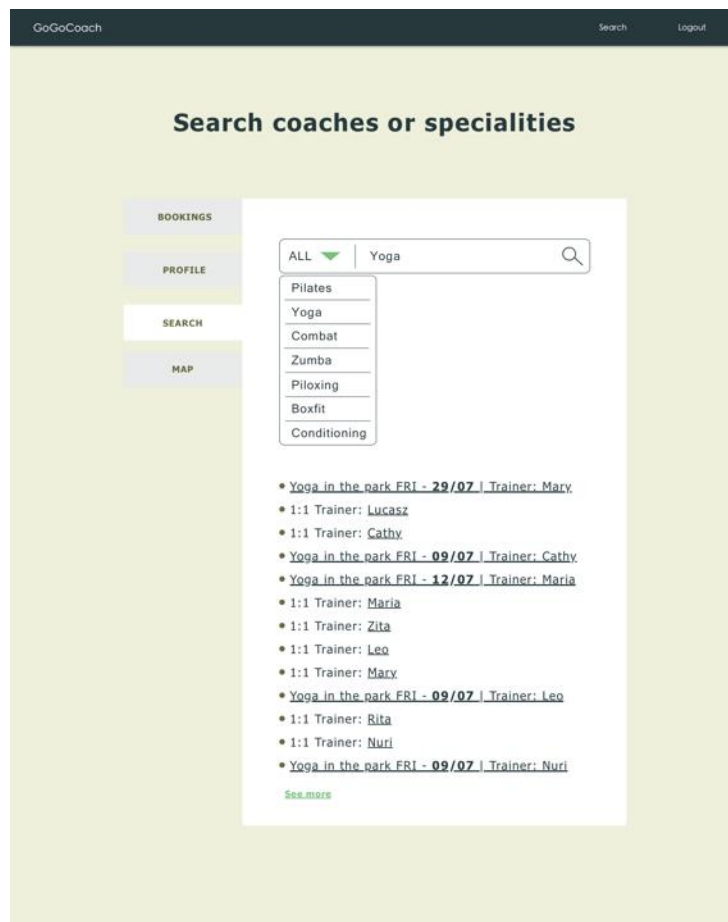
After updating client profile



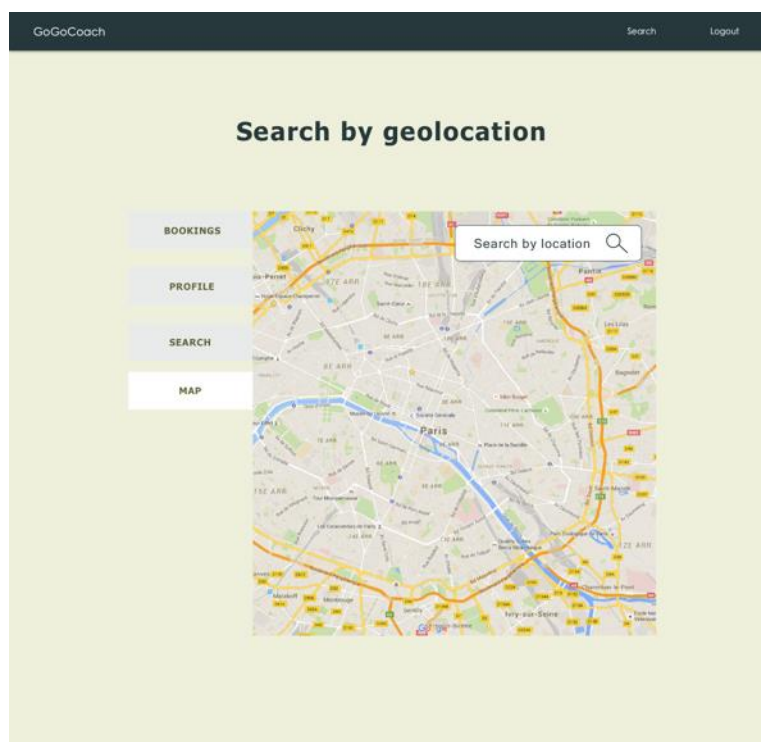
Booking summary



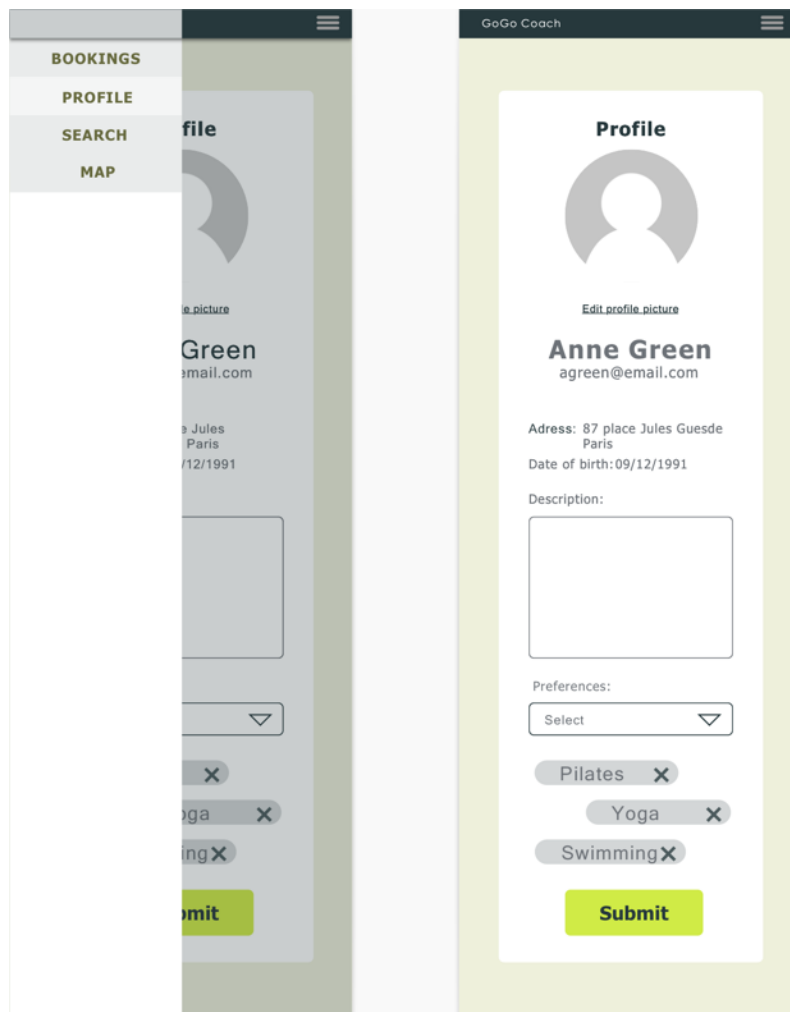
Search coach based on preferences



Search by geolocation



Mobile View of edit client profile page

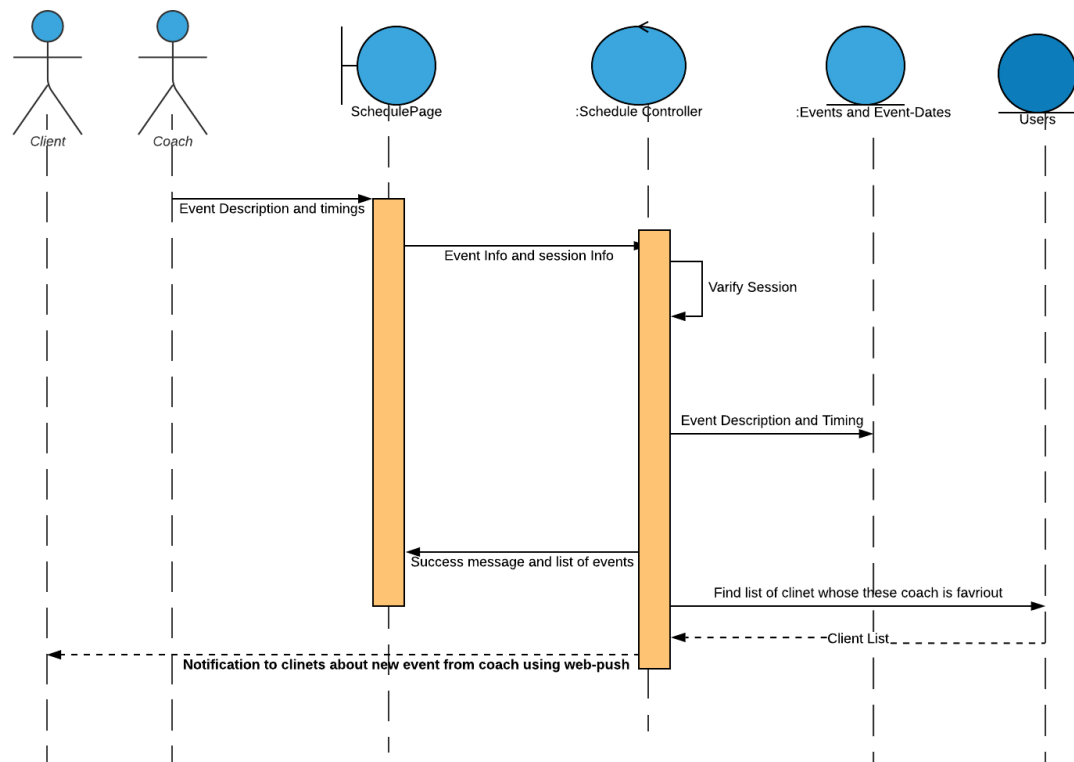


5.4 Events Module

Users can schedule an event by selecting available slots from the calendar and display the schedules in the agenda

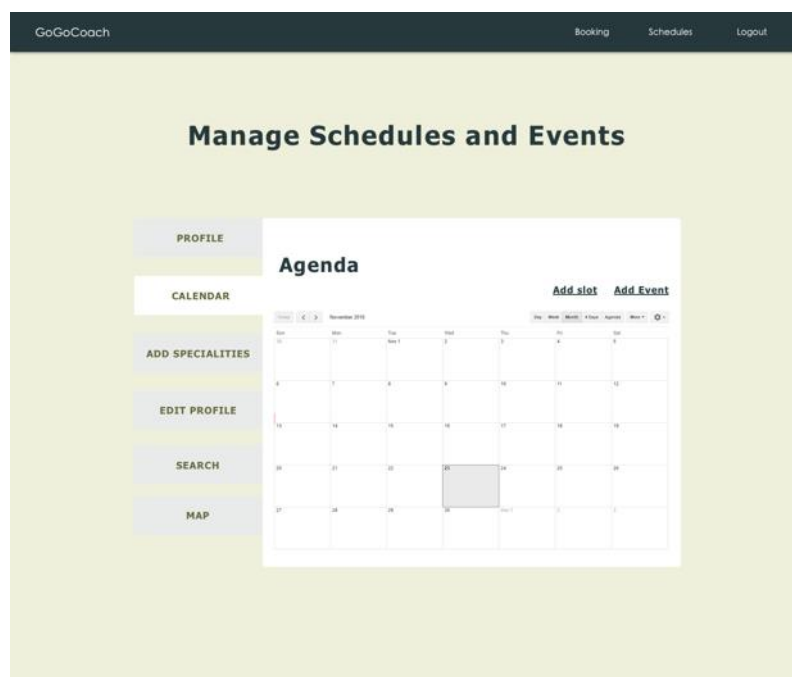
- Clients don't have access to this module.
- Sports coach can create an event by selecting from the available slots and post it to the agenda.

➤ Sequence Diagrams:



➤ Mock up Screens:

Calendar



Create one day Event

GoGoCoach

BookingSchedulesLogout

Manage Schedules and Events

PROFILE

CALENDAR

ADD SPECIALITIES

EDIT PROFILE

SEARCH

MAP

Agenda

Add slotAdd Event

Calendar view

Nov 1

Nov 2

Nov 3

Nov 4

Nov 5

Nov 6

Nov 7

Nov 8

Nov 9

Nov 10

Nov 11

Nov 12

Nov 13

Nov 14

Nov 15

Nov 16

Nov 17

Nov 18

Nov 19

Nov 20

Nov 21

Nov 22

Nov 23

Nov 24

Nov 25

Nov 26

Nov 27

Nov 28

Nov 29

Nov 30

Create an event

Event name:

Event Description:

Image:

Choose File

Address:

City:

Country:

ZIP / Postal Code:

Number of people:

☒ One day event

☐ Multiday event

Date:

//

Price:

Start time:

:

:

End time:

:

:

Create Event

Create a multi day Event

GoGoCoach

BookingSchedulesLogout

Manage Schedules and Events

PROFILE

CALENDAR

ADD SPECIALITIES

EDIT PROFILE

SEARCH

MAP

Agenda

[Update Availability](#)[Create Event](#)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		Nov 1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Create an event

Event name:

Event Description:

Image:

Choose File

Address:

City:

Country:

ZIP / Postal Code:

Number of people: Price:

☐ One day event☒ Multiday event

Number of days:

3

Date:

//

 Start time:

:

 End time:

:

Date:

//

 Start time:

:

 End time:

:

Date:

//

 Start time:

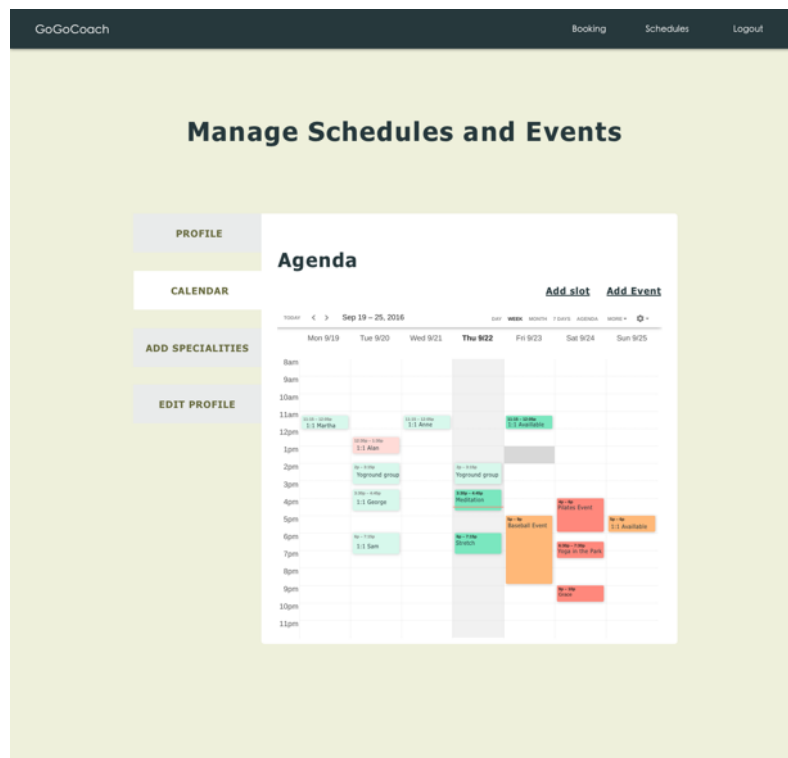
:

 End time:

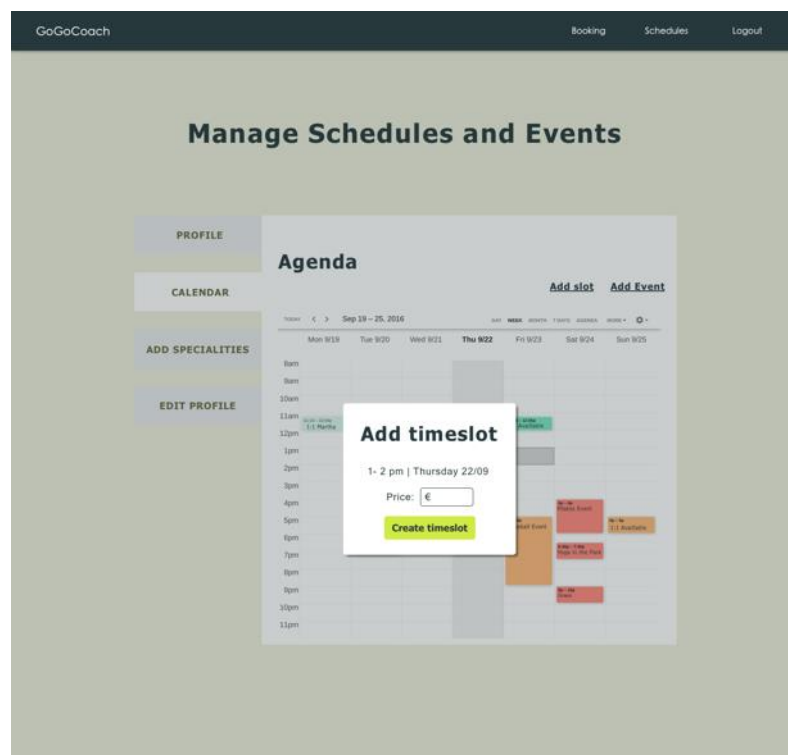
:

Create Event

Weekly agenda



Add availability slots



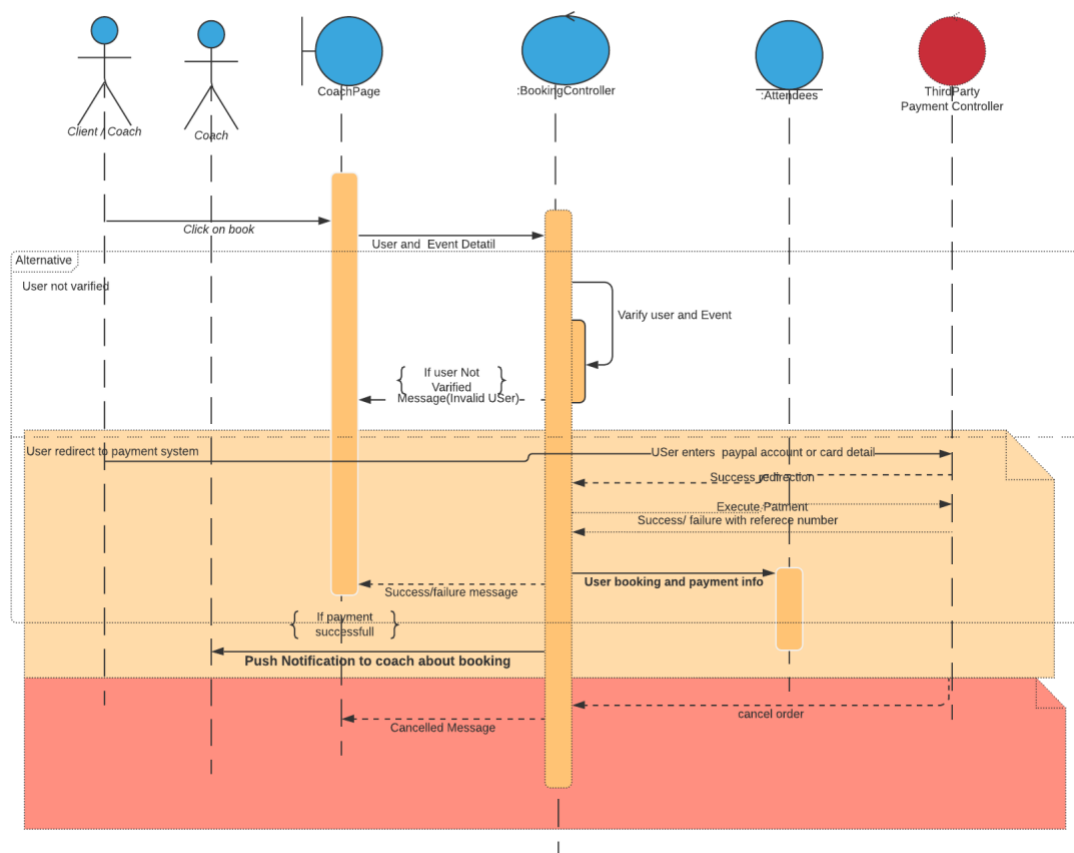
5.6 Booking and Payment Module

Users can book an event by selecting the coach and their events from the coach description page and make a payment to confirm the booking.

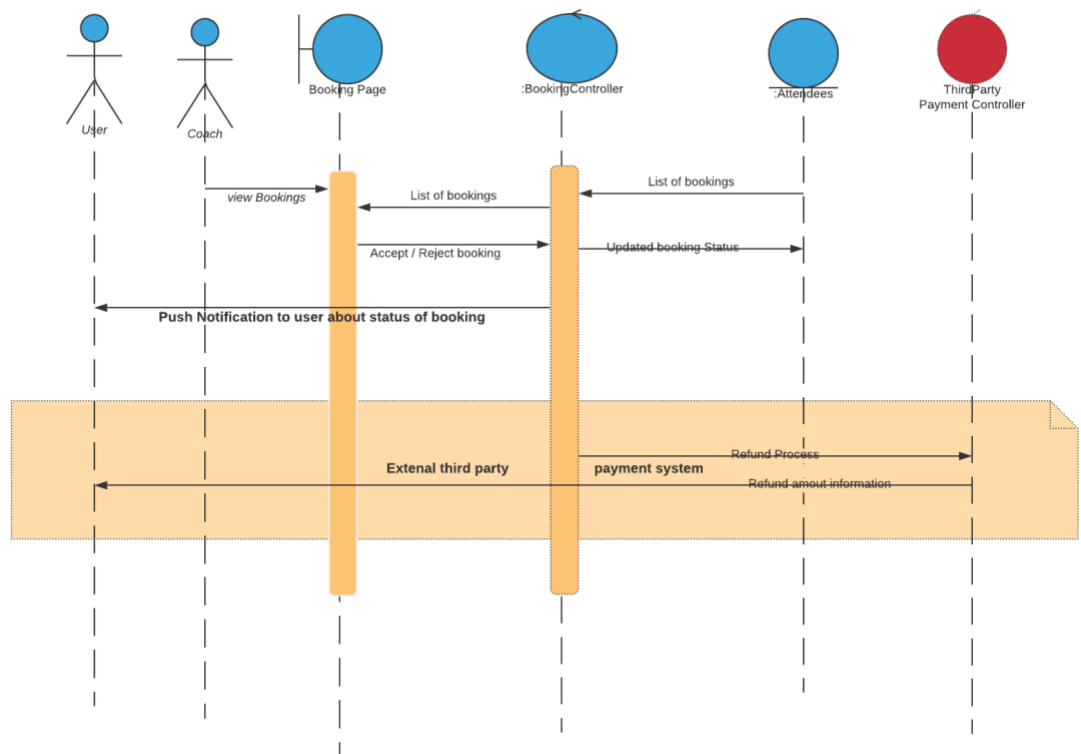
- Clients select a sports coach from favourites or through search and view availability of slots in any event and book a free slot. Payment is made once the slot is confirmed and waits for final approval from the coach.
- Sports coach can manage booking requests by checking with the payment details. Once the payment is successful, approve the booking request and a confirmation message is sent to the user. If payment unsuccessful, booking requests are rejected to the user.
- Sports coach can get notifications when any client books his event.

➤ Sequence Diagrams:

- Client books for coach events




- Coach accept / Reject Booking




➤ Mockup Screens:

Mobile view of Coach page

GoGo Coach






Mary Smith
marysmith@email.com


Adress: Guesde Paris
Date of birth: 07/07/85
Speciality: Pilates
Coach since: 2009
Description:
I am pilates master trainer with more than 10 years experience giving lessons and as a personal trainer. My philosophy is "work smarter not just harder". I think is possible to have a fit life-style without crazy diets and every dayly exhaustive exercise.

Book a 1:1 tranning below:

Select timeslot 

BOOK

Our Upcoming Events:




Group Stretch
15/07/20 - 4PM
Address: Paris 5
BOOK

Coach page - Book a slot or Event

GoGoCoach

Search

Logout



Mary Smith


marysmith@email.com

Address: Guesde Paris

Date of birth: 07/07/85

Speciality: Pilates

Coach since: 2009



Description:


I am pilates master trainer with more than 10 years experience giving lessons and as a personal trainer. My philosophy is "work smarter not just harder". I think is possible to have a fit life-style without crazy diets and every daily exhaustive exercise.

Book a 1:1 tranning below:

Select timeslot

BOOK

Our Upcoming Events:




Group Stretch

15/07/20 - 4PM

Address: Paris 5

BOOK




Pilates in the park

09/07/20 - 8AM

Address: Paris 2

BOOK



Baseball Event

29/07/20 - 10AM

Address: Paris 7


BOOK

Coach page - Dropdown button

GoGoCoach

Search

Logout



Mary Smith


marysmith@email.com

Address: Guesde Paris

Date of birth: 07/07/85

Speciality: Pilates

Coach since: 2009



Description:

I am pilates master trainer with more than 10 years experience giving lessons and as a personal trainer. My philosophy is "work smarter not just harder". I think is possible to have a fit life-style without crazy diets and every daily exhaustive exercise.

Book a 1:1 training below:

Select timeslot

WED 23/07/20 - from 11AM to 12PM - €22

WED 23/07/20 - from 1PM to 2PM - €25


WED 23/07/20 - from 3PM to 4PM - €20

THU 24/07/20 - from 8AM to 9AM - €25

FRI 25/07/20 - from 8AM to 9AM - €17


FRI 25/07/20 - from 10AM to 11AM - €17

Our Upcoming Events:




Group Stretch
15/07/20 - 4PM
Address: Paris 5

BOOK



Pilates in the park
09/07/20 - 8AM
Address: Paris 2

BOOK




Baseball Event
29/07/20 - 10AM
Address: Paris 7

BOOK

Coach page - Select a slot

GoGoCoach

SearchLogout



Mary Smith


marysmith@email.com

Address: Guesde Paris

Date of birth: 07/07/85

Speciality: Pilates

Coach since: 2009



Description:


I am pilates master trainer with more than 10 years experience giving lessons and as a personal trainer. My philosophy is "work smarter not just harder". I think is possible to have a fit life-style without crazy diets and every daily exhaustive exercise.

Book a 1:1 tranning below:

THU 24/07/20 - from 8AM to 9AM

BOOK

Our Upcoming Events:




Group Stretch

15/07/20 - 4PM

Address: Paris 5

BOOK




Pilates in the park

09/07/20 - 8AM

Address: Paris 2

BOOK



Baseball Event

29/07/20 - 10AM

Address: Paris 7

BOOK

Book an Event

GoGoCoach

Search

Logout



Group Stretch with Mary


Stretch and Mobilise classes can help you develop better balance and endurance. It can also help improve flexibility, strength and stamina. Class members benefit from the energy boost the exercise can provide, helping them to maximise their performance in other areas of fitness. It is an exercise class suitable for all ages and abilities but can be particularly beneficial for those suffering from joint problems. These stretches can help lubricate the joints as well as increase bone density.

Address: Paris 5 Guesde Paris
City: Paris
Country: France
ZIP / Postal Code: 3267
Date: 15/07/20
Time: 4 pm - 6 pm
Price: €22

Book Event

Payment through paypal

GoGo Coach account



\$26.00 USD


Hi Annel

Ship to

Anne,
87 place Jules Guesde Paris


Change >

Pay with

 PayPal Balance

\$25.00 USD

Change >

 Apply for PayPal Credit

Get more time to pay \$25.00

Subject to credit approval. [See terms](#)

View PayPal Policies and your payment method rights.


Continue

You'll be able to review your order before you complete your purchase.

Cancel and return to Brad Traversy's Test Store

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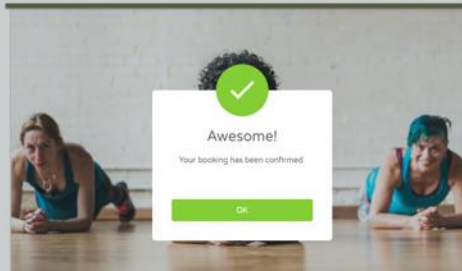
[PayPal Policies](#) [PayPal Terms](#) [PayPal Privacy](#) [Feedback](#)



PayPal is the safer, easier way to pay

No matter where you shop, we keep your financial information secure.

Message of success



Group Stretch with Mary

Stretch and Mobilise classes can help you develop better balance and endurance. It can also help improve flexibility, strength and stamina. Class members benefit from the energy boost the exercise can provide, helping them to maximise their performance in other areas of fitness. It is an exercise class suitable for all ages and abilities but can be particularly beneficial for those suffering from joint problems. These stretches can help lubricate the joints as well as increase bone density.

Address: Paris 5 Guesde Paris

City: Paris

Country: France

ZIP / Postal Code: 3267

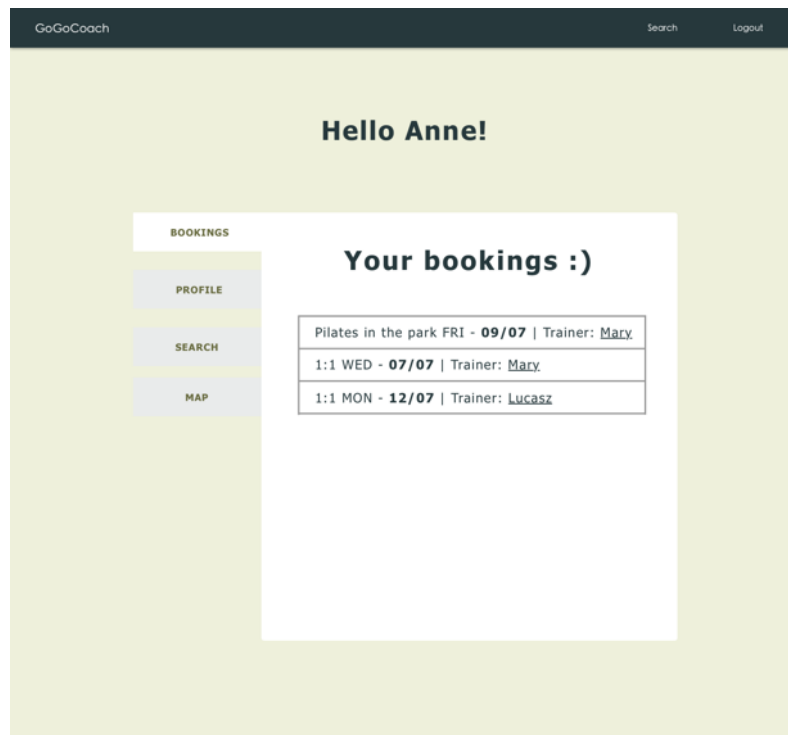
Date: 15/07/20

Time: 4 pm - 6 pm

Price: €22

[Book Event](#)

Client profile bookings



6.Application Requirements

6.1.1 User Interface:

HTML has been used for developing the user layout for the system.

JavaScript has been used for creating all the validations and client-side scripting functionality.

CSS has been used for designing the web page of the system.

6.1.2 Application:

Client On Internet: Web Browser, Operating System (Any)

Web Server: Node JS

Database: MongoDB

Mark-up Language: HTML, CSS

Scripting Language: JavaScript, jQuery

Third-Party payment: Braintree PayPal

push-notification : web-push and service worker