Retrospective Sprint <4> of Group <PFTC7REMOTE>

Personal Fitness Trainers Club

Tien Dat Le - a1730614

Zhao Ming Soh - a1751699

Tang Thieu Kien - a1738166

Zhi Tong - a1736023

Carlos Atis - a1731835

Yian Xie - a1702241

Quan Tang - a1758910

Jinhong Xiong - a1753701

Yutong Qu - a1738747

Snapshots (Group):

Snapshot 4.1 Week <WEEK-9> of Group <PFTC7REMOTE>

Personal Fitness Trainers Club

Tien Dat Le - a1730614

Zhao Ming Soh - a1751699

Tang Thieu Kien - a1738166

Zhi Tong - a1736023

Carlos Atis - a1731835

Yian Xie - a1702241

Quan Tang - a1758910

Jinhong Xiong - a1753701

Yutong Qu - a1738747

1. Product Backlog and Task Board

Product backlog (From GitHub) - Pictures are ordered from left to right.

(Personal Trainer) -

24 **Product Backlog** + ···

PT PART ···

Added by a1753701

As a personal trainer ···
I want to be able to register and login into the PTFC system by creating a PT profile
So that I can advertise my services to a broader audience

Acceptance Criteria

1. Page redirection (PT):
   Given: a personal trainer on the personal trainer profile page of the website
   When: they click on the home, profile (that includes change password and set availability buttons), the client (that includes the client profile picture) or message (that includes the inbox and send message buttons) buttons
   Then: they are redirected to that particular page

Added by a1738747

As a personal trainer, ···
I want to create a profile
So that I can show my skill sets to clients

Added by a1751699

As a Personal Trainer, ···
I should have a chat messaging facility
So that I can communicate with clients

Acceptance Criteria:

1. Messaging (PT)
   Given: a personal trainer on the personal trainer message page of the website
   When: the personal trainer clicks on to any of the existing messages contained in the inbox or the send message button
   Then: in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified.

Added by a1730614

As a personal trainer
I want to be able to edit my profile information
So that the information can be corrected or updated

Acceptance Criteria :

1. Personal Details and Password modification(PT):
   Given: a personal trainer on the personal trainer profile page of the website
   When: they click onto any of the input fields in the personal detail page or change password page
   Then: he/she can key in new information and update it via the save button at the bottom of each page.

Added by a1738747

As a personal trainer
I want to be able to set my availability
So that clients can make bookings accordingly

Acceptance Criteria:

1. Set Availability (PT) -
   Given a personal trainer is on the schedule page of the website
   When he/she selects a date in the calendar and any number of the predefined time slots and press "save"
   Then a pop-up alert with the message, "success add new date" will appear to signify completion on adding availability to the selected date.

2. Display Availability (PT) -
   Given a personal trainer is on the personal trainer home page of the website
   When he/she successfully added a new availability in the schedule page
   Then he/she will be given a list of all the latest availability in the right-hand side box under the name of "Availability"

Added by a1738747

As a Personal Trainer,
I should have a client management page
So that I can manage my clients

Acceptance Criteria :

1. View Client Profile (PT)
   Given: a personal trainer on the personal trainer client page of the website
   When: the personal trainer clicks onto the profile picture of its client
   Then: they are redirected to the client's profile page

2. Search Client (PT)
   Given: a personal trainer on the personal trainer client page of the website
   When: the personal trainer clicks onto the search bar
   Then the personal trainer will be prompted to key in the client's name that he/she wished to search for and that client will appear as the first result

3. Depiction of booked Timeslots -
   Given a personal trainer is on the personal trainer home page of the website
   When a client has booked any of his/her available time slots
   Then those time slots will be rendered with a darker hue to represent booked time slots

Added by a1751699

3. View client's booking information -
   Given a personal trainer is on the managing client page of his/her account
   Then he/she can view at his/her clients' booking information that is designated in each of the cards

Added by a1751699

4. Client Management (PT)
   Given: a personal trainer on the personal trainer client page of the website
   When: the personal trainer clicks onto the rubbish bin icon or the message icon
   Then: in the case of the rubbish bin icon, the client will be notified that they are dropped from his/her workout session, in the case of the message icon, the PT will be redirected to the send message page.

Added by a1751699

As a personal trainer
I want to be notified of the client's bookings
So that I can start my business

Acceptance Criteria:

1. Client's booking request Notification (PT):
   Given: a personal trainer on the personal trainer message page of the website
   When: the client book a session with a particular personal trainer on the session booking page
   Then: the personal trainer will be notified via a message containing the booking request details.

2. Acceptance/Rejection of a client's booking request (PT):
   Given: a personal trainer on the personal trainer message page of the website
   When: the personal trainer clicks on the accept or reject button
   Then: in the case of accepting, the client will be added to the PT client page for management and in the case of rejecting, the client will be notified that their booking request was rejected.

(Client) -

CLIENT PART

Added by a1753701

As a client
I want to be able to register and log into the PTFC system
So that I can utilise the system afterwards

Added by a1738747

As a Client,
I want to chat with potential PTs
So that I can communicate with them

Acceptance Criteria

1. Messaging:
   Given: a client is on the messaging page
   When: the client clicks on to any of the existing messages contained in the inbox or the send message button
   Then: in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified in the 'to' field.

Added by a1730614

2. Personal Details and Password Modification (Client):
   Given: a client that is on the client profile page of the website.
   When: they click onto any of the input fields in the "edit profile" page or "change password" page.
   Then: the client can key in new information and update it via the save button at the bottom of each page.

Added by a1751699

As a client
I want to see a list of PTs
So that I can book a session with that PT

Acceptance Criteria:

1. Making a booking request -
   Given a client is on the booking page of the website
   When he/she clicks onto the "book" button
   Then he/she will be directed to an application fill-up form and upon correctly filling up the application, he/she can click onto the submit button to direct the booking request to that particular personal trainer.

2. Depiction of unset Personal Trainer Availability in the booking form -
   Given a client is on the booking form
   When he/she selects the date that the personal trainer has yet to set a schedule on
   Then he/she will be given a text, "There is no time to choose" in the "choose a time" dropdown menu.

3. Exiting the booking form -
   Given a client is on the booking form
   When he/she clicks onto the "close" button at the bottom of the booking form
   Then he/she will exit the booking form popup.

Added by a1730614

4. Filtering Search Results:
Given a client is on the booking page of the website
When he/she enters any queries such as the name of the personal trainer, the number of clients that the personal trainer has worked with, the type of languages that the personal trainer speaks and possibly age and cost as well into the search box clicks or selects any of the options in the muscle groups dropdown menu
Then he/she will be given a list of personal trainers that correspond to the filter selections by clicking onto the "search" button. (This happens every time an option is selected)

Added by a1751699

As a client
I want to review a booking
so that I can provide feedback or rate that PT

Added by a1751699

(Admin) -

ADMIN PART

Added by a1753701

As an administrator
I want to see all incoming PT registration requests
So that I can approve or reject them

Added by a1738747

As an Admin, I wanna see all relationship between users and personal trainers. Of course I can edit them

Added by a1753701

As an ADMIN,
I want to have a dashboard
So that I can manage all PTs and clients

Added by a1730614

As an administrator
I want to see all registered users (PTs and Clients)
So that I can suspend or activate them

Added by a1738747

As an Admin, I wanna see popularity of each personal trainer(Show a sequential list)
So that I can rank them

Added by a1753701

As an Admin, I wanna edit timetable for each PT so that both User and PT can better plan their time

Added by a1753701

Taskboard (From GitHub)

7 **Task board**

Implement the functionality for Client to immediately receive the message sent from PT.

Added by a1738747

Implement the functionality for PT to immediately receive the message sent from Client.

Added by a1738747

Implement the functionality for the real-time display messages.

Added by a1738747

what can make the pages looks better:

1. in the home page: there have three button on the top right of the page:

- the font family might change.
- after hover the button the button become dark grey. the height of the button should be same with the height of container, this will looks better.
- in the phone size page: three button become one. after click the button, home , sign in , sign up will display. also after click the button there have a blue border. remove the blue border.

2. in the home page: in the phone width:

- at the bottom, "Become a personal trainner? join out trainner club" and at the bottom there have a "get start" button. in the phone width, the "get start" button will not fully display.

Added by a1702241

3. in the "booking" page search the PT. it should search by keyword(for example: chinese, english, lost fat .....)

Added by a1702241

bugs i found:

1. in the client page(include Home, Profile, Message)
   in the (full width - 980px), the button is on the left of the page.
   in the (769px - smallest width), there have a button on the top right of the page.
   but when the width between 980px - 769px, there dont have any button display on the page. so this means client cant change to other page between this page width(980px - 769px).
2. in the client page(include Home, Profile, Message)
   in the (769px - smallest width), there have a button on the top right of the page. but after i click the button, nothing happened.

Added by a1702241

1. As a client
   I want to review a booking So that I can provide feedback or rate that PT:
   -for now there have Home, Profile, Message and Booking in the client server. there need another page called: "My Classes". in this page, client can check the classes they enrol. and also they can provide the feedback or rate the PT. the message and the rate client provide should display at the "booking" page.
2. As a client
   if he want to hire a PT from "booking" page. after click the the "hire" or "booking" buttom. there will have a form display. in the form , there should have: first name, last name, phone, email, the time client want to take the class(for eample 11-12), what kind of class the client want(for example: increase muscle, lose fat..) and Hope to achieve goals after class(for example lost 3kg weight).
   after submite the form, these detail will send to the PT.
   after the PT accept the offer, the "avalability" for PT will change to red at that time.

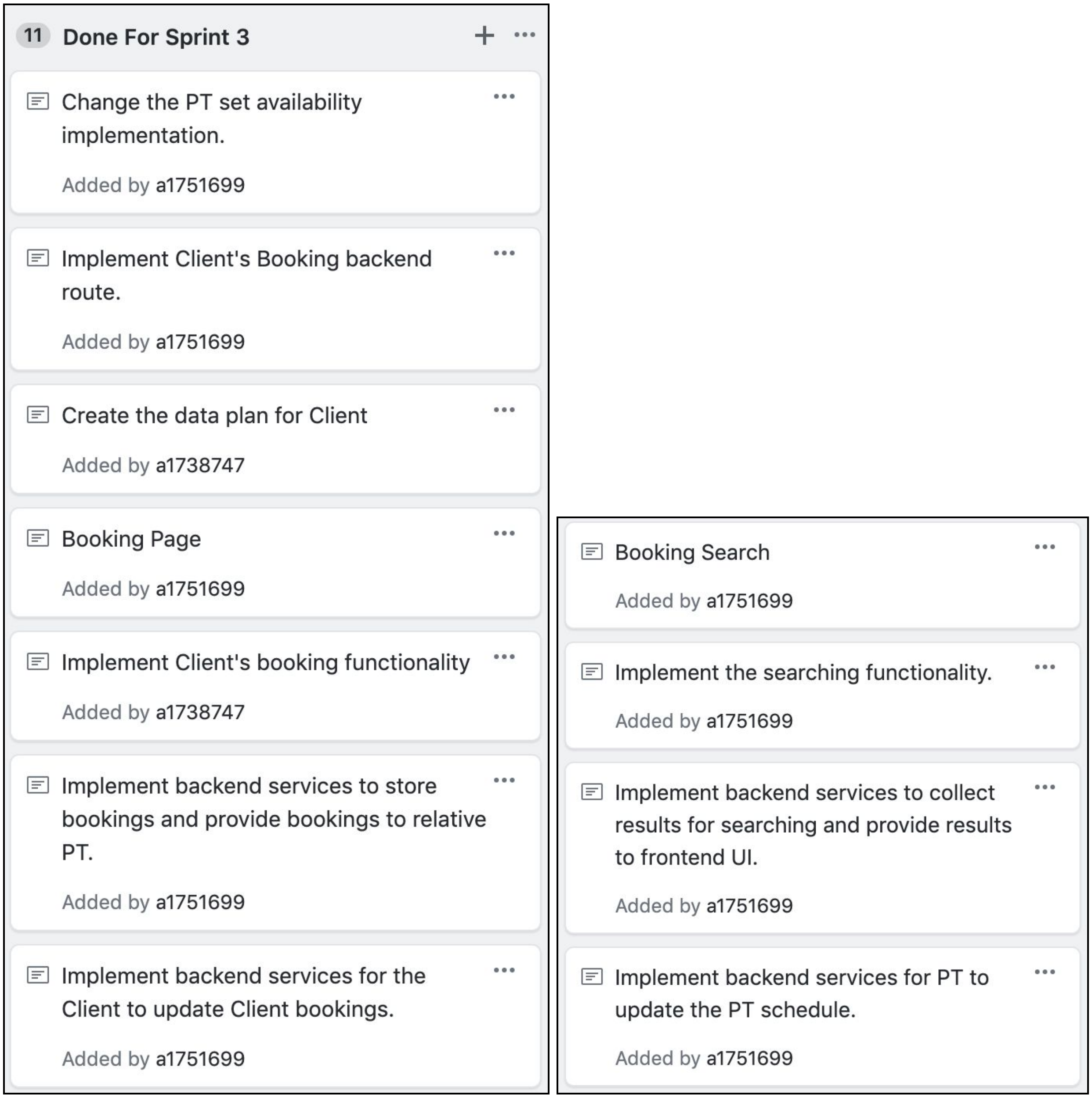
Added by a1702241

4 **In progress**

- Implement frontend UI for Client to chat with PT.
  Added by a1738747
- Implement frontend UI for PT to chat with Client.
  Added by a1738747
- Implement backend services for chat functionality.
  Added by a1738747
- Design Admin profile pages
  Added by a1738747

6 **In progress (optional)**

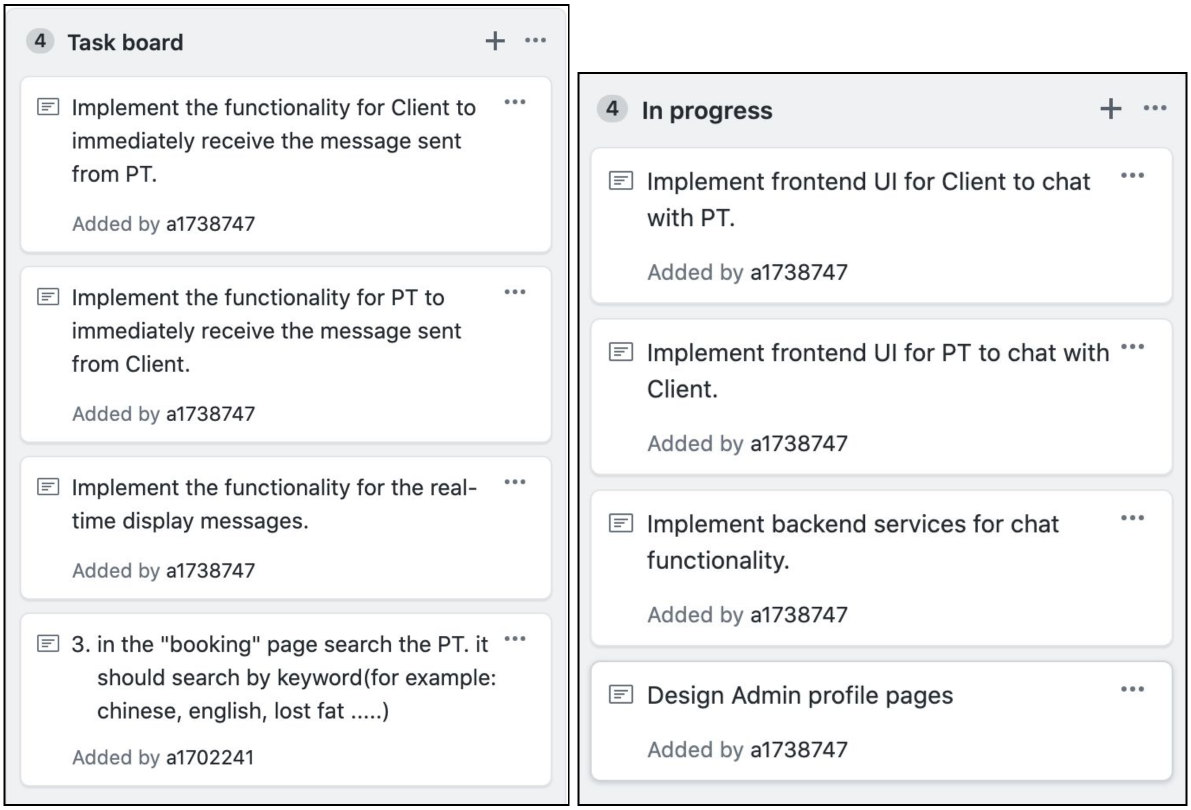
- Review
  Added by a1751699
- Implement frontend UI for Client to review bookings.
  Added by a1751699
- Implement backend services for PT to update the PT rating and feedback according to reviews.
  Added by a1751699
- Implement the functionality for Client to provide a review of a booking.
  Added by a1751699
- Implement backend services to store reviews and provide reviews to relative PT.
  Added by a1751699
- Implement backend services for the Client to update Client reviews.
  Added by a1751699

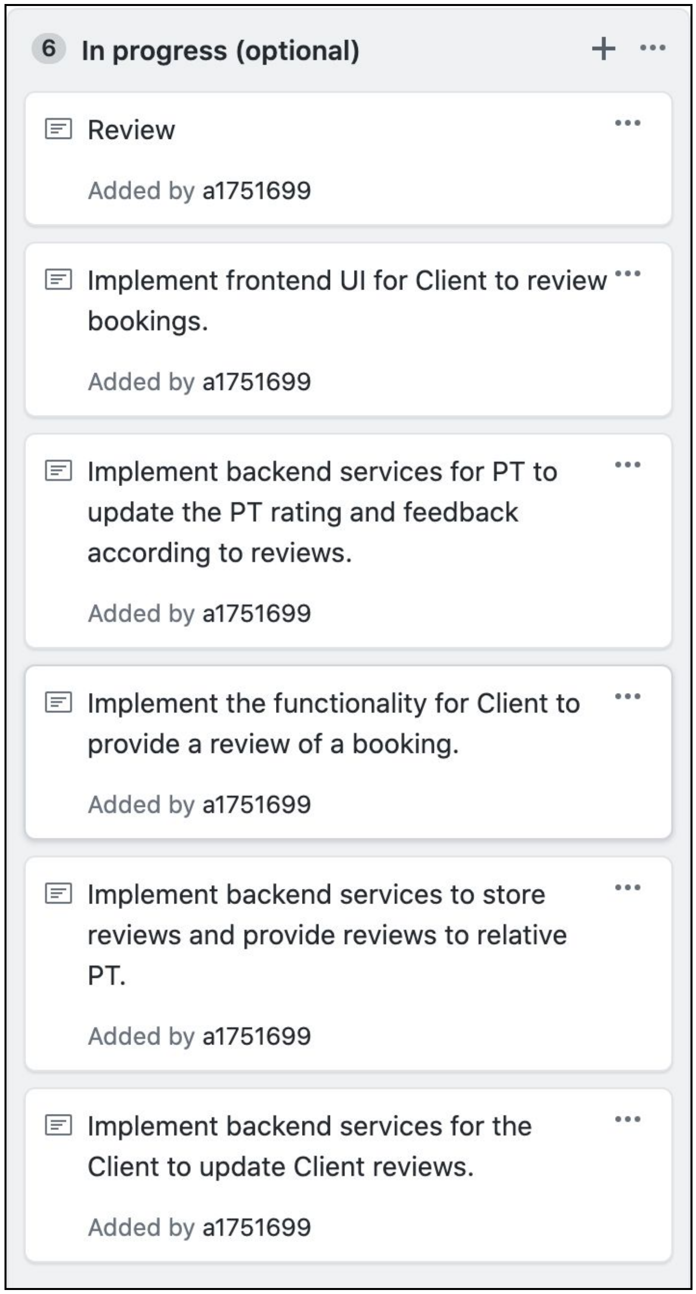


Word Version gives more clarity to the entire product backlog:

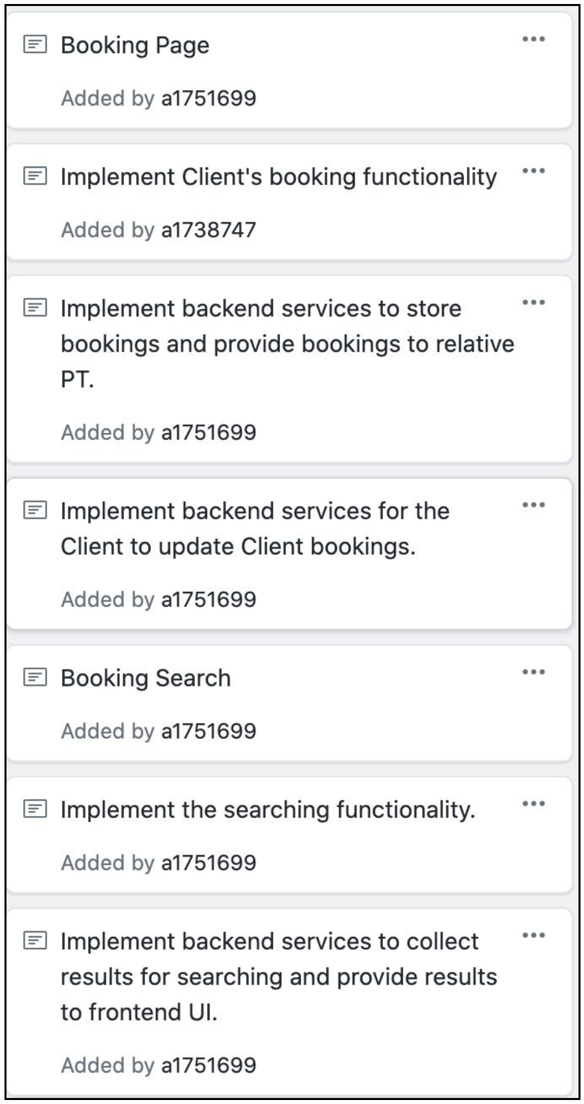
ID	As a...	I want to be able to...	So that...	Priority	Sprint	Status
1	Personal Trainer	I want to be able to register and login into the PTFC system by creating a PT profile	I can advertise my services to a broader audience	Must	1	Done
2	Personal Trainer	create a profile	I can show my skill sets to clients	Must	1	Done
3	Personal Trainer	set my availability	clients can make bookings accordingly	Must	1	Done
4	Personal Trainer	edit my profile information	the information can be corrected or updated	Must	1	Done
5	Personal Trainer	have a chat messaging facility	I can communicate with clients	Must	4	In progress
6	Personal Trainer	have a client management page	I can manage my clients	Must	3	In progress
7	Personal Trainer	be notified of the client's bookings	I can start my business	Must		To be Started
8	Client	register into the PTFC system	I can log into the system afterwards	Must	2	Done
9	Client	chat with potential PTs	I can communicate with them	Must	4	In progress
10	Client	create a profile	I can see my progress and personal information	Must	3	Done
11	Client	see a list of PT	I can book a session with that PT	Must	3	Done
12	Client	I want to review a booking	so that I can provide feedback or rate that PT	Could		To be Started
13	Administrator	see all incoming PT registration requests	I can approve or reject them	Should		To be Started
14	Administrator	see all relationship between users and personal trainers	I can edit them	Should		To be Started
15	Administrator	have a dashboard	I can manage all PTs and clients	Must		To be Started
16	Administrator	see all registered users (PTs and Clients)	I can suspend or activate them	Should		To be Started
17	Administrator	see popularity of each personal trainer (Show a sequential list)	I can rank them	Should		To be Started
18	Administrator	edit timetable for each PT	both User and PT can better plan their time	Should		To be Started

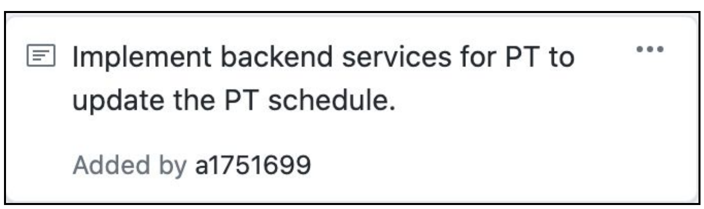
<u>Taskboard (From GitHub) -</u>


4 Task board
Implement the functionality for Client to immediately receive the message sent from PT.
Added by a1738747
Implement the functionality for PT to immediately receive the message sent from Client.
Added by a1738747
Implement the functionality for the real-time display messages.
Added by a1738747
3. in the "booking" page search the PT. it should search by keyword(for example: chinese, english, lost fat .....)
Added by a1702241
4 In progress
Implement frontend UI for Client to chat with PT.
Added by a1738747
Implement frontend UI for PT to chat with Client.
Added by a1738747
Implement backend services for chat functionality.
Added by a1738747
Design Admin profile pages
Added by a1738747


6 In progress (optional)
Review
Added by a1751699
Implement frontend UI for Client to review bookings.
Added by a1751699
Implement backend services for PT to update the PT rating and feedback according to reviews.
Added by a1751699
Implement the functionality for Client to provide a review of a booking.
Added by a1751699
Implement backend services to store reviews and provide reviews to relative PT.
Added by a1751699
Implement backend services for the Client to update Client reviews.
Added by a1751699

Done -





Word Version of the task board:

<table>
<tr><th>To Do</th><th>Doing</th><th>Done</th></tr>
<tr>
<td rowspan="3">Implement the functionality for Client to immediately receive the message sent from PT.
Implement the functionality for PT to immediately receive the message sent from Client.
Implement the functionality for the real-time display messages.</td>
<td rowspan="3">(Booking Search)
Implement the searching functionality.
Implement backend services to collect results for searching and provide results to frontend UI.
(Messaging)
Implement frontend UI for Client to chat with PT.
Implement frontend UI for PT to chat with Client.
Implement backend services for chat functionality.
Design Admin profile pages</td>
<td>(Sprint 1)
focus on initial report finish it ASAP
Set up Nodejs (Express) server
Set up MongoDB database
create ER model
Connect Nodejs with MongoDB
Design home page
Design login page for PT
Design sign-up page
Design PT's profile page
Design must be given before this weekend
Implementing login page for PT
Implementing sign-up page for PT
Implementing home page for PT
create data plan (list all route that we are going to use)
Implementing PT's profile page</td>
</tr>
<tr><td>(Sprint 2)
Design the PT booking page for the client
Design the client Home profile page
Design the client User profile page
Design the client message page
Implement Client's profile page</td></tr>
<tr><td>(Sprint 3)
Change the PT set availability implementation
Create the data plan for Client
Implement Client's Booking backend route.</td></tr>
</table>

	Optional - (Review) • Implement backend services to store reviews and provide reviews to relative PT. • Implement backend services for the Client to update Client reviews. • Implement backend services for PT to update the PT rating and feedback according to reviews. (Review) • Implement frontend UI for Client to review bookings. • Implement the functionality for Client to provide a review of a booking.	(Sprint 3.5 to 4) (Booking Page) • Implement Client's booking functionality • Implement backend services to store bookings and provide bookings to relative PT. (Booking Page) • Implement backend services for the Client to update Client bookings. • Implement backend services for PT to update the PT schedule.

2. Sprint Backlog and User Stories

<u>Sprint backlog (From GitHub):</u>

4 **Sprint 4 Backlog**

PT PART

Added by a1738747

As a Personal Trainer,
I should have a chat messaging facility
So that I can communicate with clients

Acceptance Criteria:

1. Messaging (PT)
   Given: a personal trainer on the personal trainer message page of the website
   When: the personal trainer clicks on to any of the existing messages contained in the inbox or the send message button
   Then: in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified.

Added by a1738747

CLIENT PART

Added by a1738747

As a Client,
I should have a chat messaging facility
So that I can communicate with personal trainers

Acceptance Criteria:

1. Messaging (C)
   Given: a client on the client message page of the website
   When: the client clicks on to any of the existing messages contained in the inbox or the send message button
   Then: in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified

Added by a1738747

User Stories and Related Tasks Selected for the Current Sprint:

User Stories	Related task
1. As a client, I want to have a chat messaging facility, so that I can communicate with personal trainers.	1. Implement frontend UI for a real-time and interactive client chat interface. 2. Implement frontend services that allow the client to type and send messages. 3. Implement fronted services for updating displayed messages in real-time. 4. Implement fronted services for updating messages in the chat interface without needs of reloading the page. 5. Implement backend services to collect messages and provide messages to frontend UI.

	6. Implement backend services to match clients and personal trainers who are messaging with each other.
2. As a personal trainer, I want to have a chat messaging facility, so that I can communicate with clients.	1. Implement frontend UI for a real-time and interactive personal trainer chat interface. 2. Implement frontend services that allow the personal trainer to type and send messages. 3. Implement fronted services for updating displayed messages in real-time. 4. Implement fronted services for updating messages in the chat interface without needs of reloading the page. 5. Implement backend services to collect messages and provide messages to frontend UI. 6. Implement backend services to match clients and personal trainers who are messaging with each other.
3. As a client, I want to review a booking, so that I can provide feedback or rate that PT.	1. Implement frontend UI for Client to review bookings. 2. Implement the functionality for Client to provide a review of a booking. 3. Implement backend services to store reviews and provide reviews to relative PT. 4. Implement backend services for the Client to update Client reviews. 5. Implement backend services for PT to update the PT rating and feedback according to reviews.

3. Definition of Done

Design Reviews -

It has to be minimalistic and conform to all of the user stories provided in each of the Sprint.

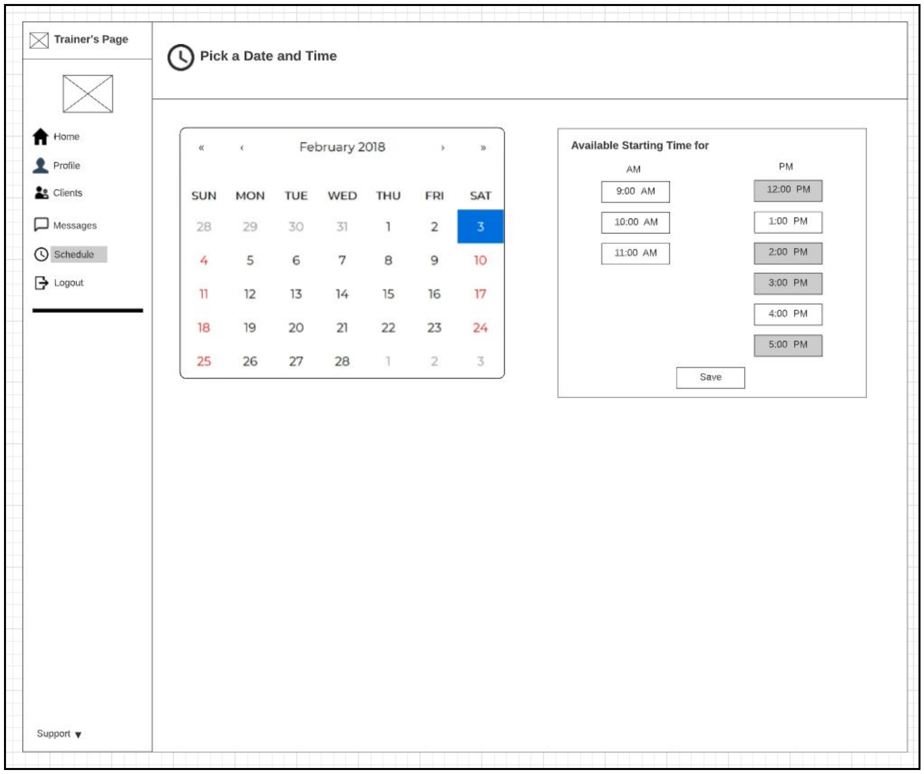


Figure 1.1: Personal Trainer Set Availability Page

a. **Personal Trainer (Set Availability Page) contains -**
   i. A selectable calendar that constitutes the right side of the personal trainer schedule page.
   ii. A right-hand side box constituting predefined time slots for selection.

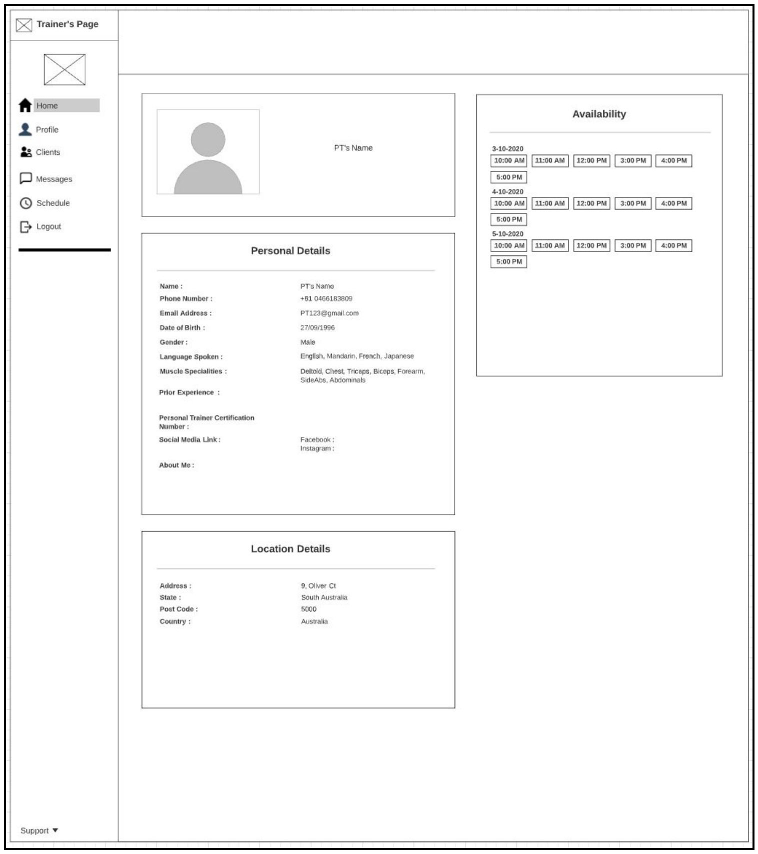


Figure 1.2: Personal Trainer Home Page

b. Personal Trainer (Home Page) contains -

i. A top left box that contains the personal trainer profile picture and his/her name
ii. A box that contains the personal trainer personal details such as the name, the phone number, the email address, the date of birth, the gender, the spoken language, the muscle specialities, the prior experience, the personal trainer certification number, the social media links and an about me.
iii. A box that contains the personal trainer location details such as the address, the state, the postcode and the country that the personal trainer is currently residing in.
iv. A right-hand side box that contains the personal trainer chosen availability.

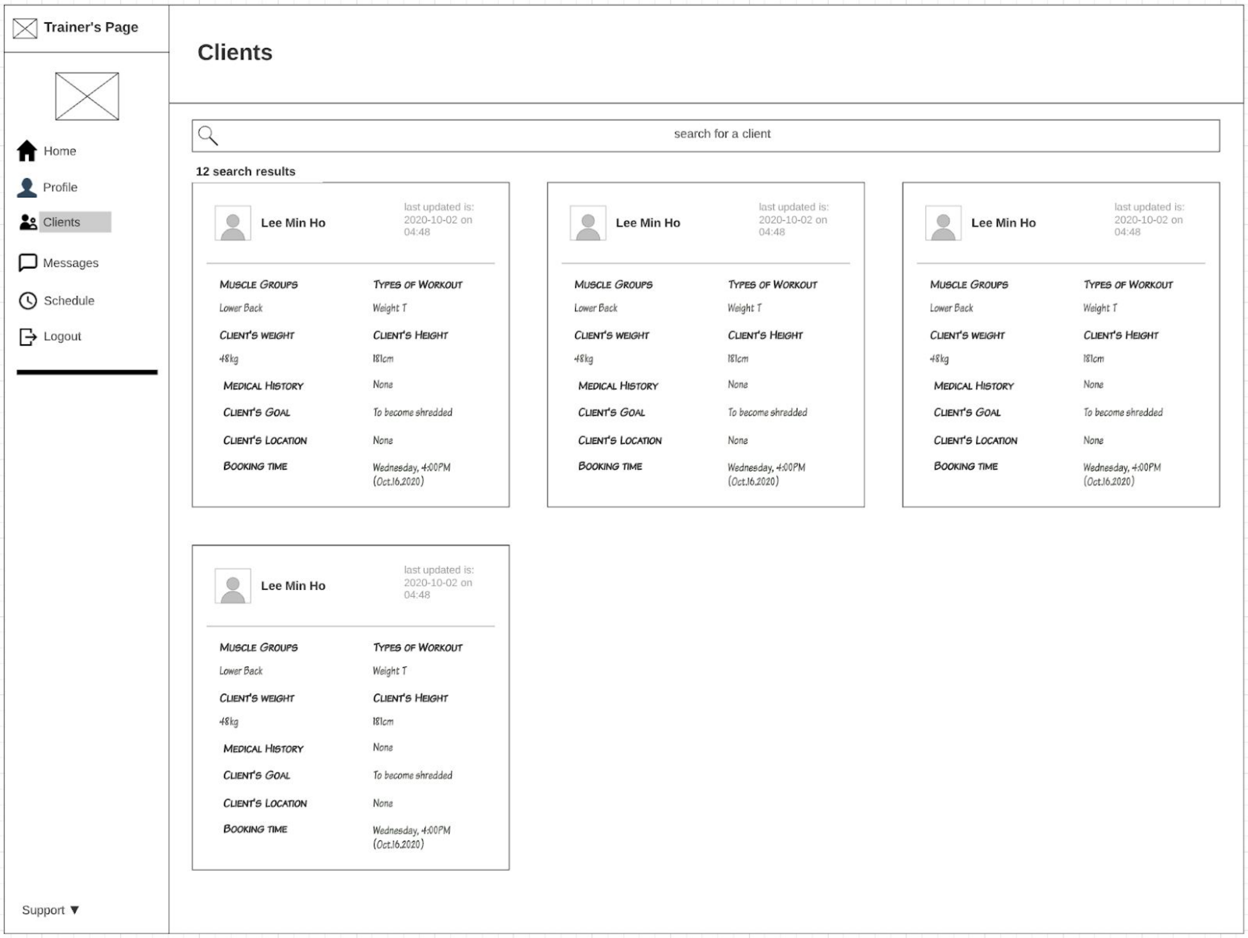


Figure 1.3: Personal Trainer's Manage Clients page

c. Personal Trainer (Manage Client Page) contains -

i. A search bar for searching a specific client

ii. A bunch of clients cards that contain the clients' booking information from the booking application form such as:

1. The client's profile picture
2. The client's name
3. The date and time on which all of the informations were last updated
4. The muscle groups
5. The type of workout
6. The client's weight
7. The client's height
8. The medical history
9. The client's goal
10. The client's location
11. The booking time

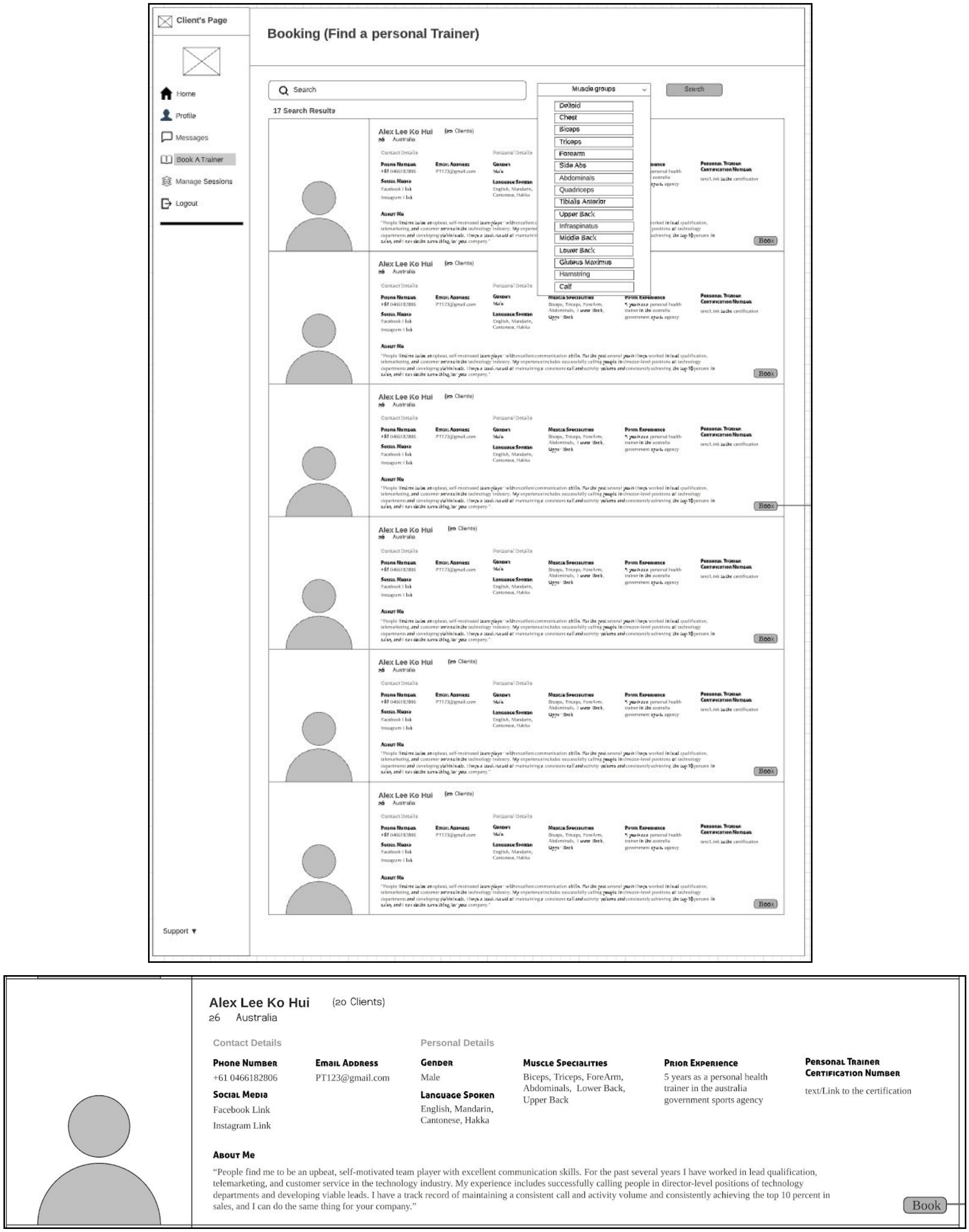


Figure 1.4: Client's Booking Page

d. **Client (Booking Page) -**
    i. A search bar for inputting the type of information to search for
    ii. A dropdown menu for filtering the muscle groups
    iii. An on-click “search” button for directing the searched queries
    iv. Personal Trainer card contains his/her vital information -
        1. The number of clients that the personal trainer had worked with
        2. The Personal Trainer personal info -
            a. Profile Picture
            b. Name
            c. Phone Number
            d. Email Address
            e. Gender
            f. Language Spoken
            g. Muscle Specialities
            h. Prior Experience
            i. Personal Trainer Certification Number
            j. Social Media links
            k. About Me
        3. A “book” button

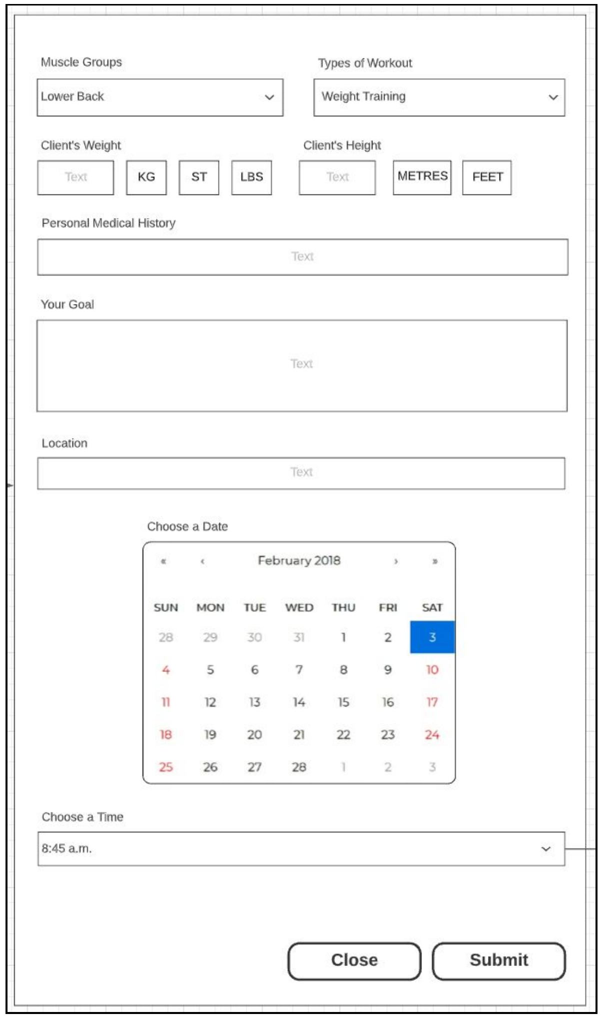


Figure 1.5: Client's Booking Form

e. **Client (Booking form) -**
   i. A dropdown box for the "Muscle Groups" and a dropdown box for the "Types of Workout".
   ii. A "Client's Weight" input field and a "Client's Height" input field, a "Personal Medical History" input field, a "Client's Goal" input field and a "Location" input field.
   iii. A selectable calendar
   iv. A dropdown box for "Choose a Time"
   v. A "Close" and "Submit" button at the bottom right

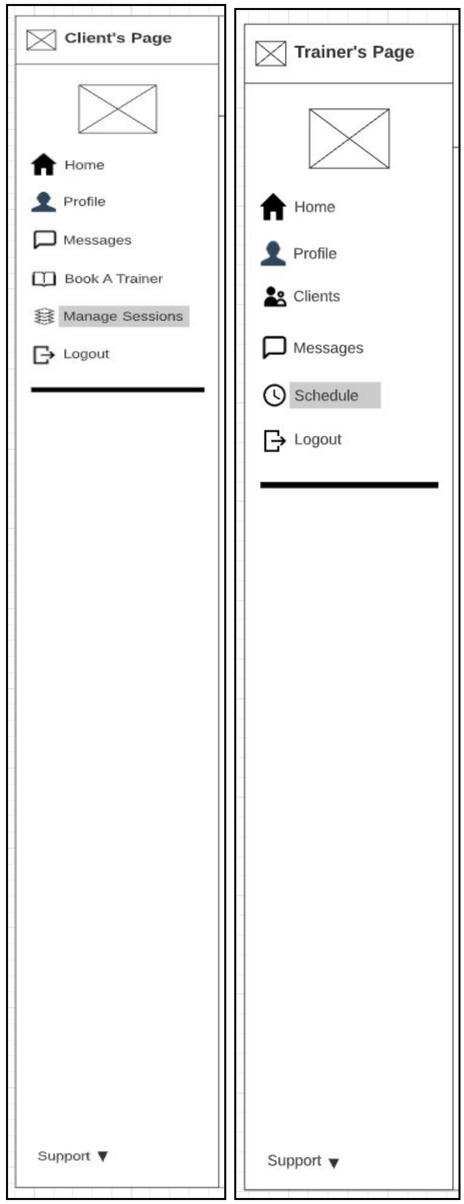


Figure 1.6: Client and Personal Trainer sidebar

f. Client and Personal Trainer (SideBar) -

i. At the top of the sidebar, there is going to be a profile picture and a text differentiating the client account from the personal trainer account.

ii. Below it, there is going to be a profile picture

iii. In terms of the navigating options :

1. The client ones :
   a. A “Home” Profile redirecting button
   b. A “Profile” redirecting button
   c. A “Messages” redirecting button
   d. A “Book A Trainer” redirecting button

e. A “Manage Session” redirecting button
f. A “Logout” button
2. The personal trainer ones:
a. A “Home” Profile redirecting button
b. A “Profile” redirecting button
c. A “Clients” redirecting button
d. A “Messages” redirecting button
e. A “Schedule” redirecting button
f. A “Logout” button

Coding -

a. In this sprint, the definition of done of coding has to conform to our agreed general coding standards laid out in the initial report, such as:
    i. Variable names that clearly indicate the purpose of the variable.
    ii. Appropriate indentation and line breaks for readability that conform to all of the listed programming languages.
    iii. Well-understood comments at the start of code explaining the purpose of the code
    iv. Consistent and applicable use of space to make code readable.

b. Some precise coding standards according to different techniques or languages:
    i. **HTML -**
        1. All HTML documents must use two spaces for indentation and there should be no trailing whitespace.
        2. Using lowercase element names and lowercase attribute names, for example, <body> rather than <BODY>.
        3. Closing all HTML elements, for example, <p></p>.
        4. Quoting attribute values.
        5. Trying to avoid too long code lines for better readability.
        6. Avoiding to add blank lines, spaces, or indentations without a reason for the better readability.
    ii. **CSS -**
        1. The name of a selector should be self-descriptive and readable.
        2. Trying to reduce the use of inline-styles to make changes on styling easier.
        3. Using shorthands properties to help to reduce the lines of rules.
        4. Trying to organise the CSS code by using the BEM methodology, which is a naming convention and stands for Block Element Modifier.
    iii. **React -**
        1. Avoiding to add non-sense React components and making components as short as possible.

2. Components which are at the same level of abstraction should be together.
3. Trying to reduce the number of props to a minimum.
4. Use react-bootstrap as much as possible, otherwise, we might be getting some errors for the backend.
5. Use ‘classnames’ library and module.css to avoid style conflicts.

Acceptance Testing -

a. **Personal Trainer (Schedule page) -**
    i. **<u>Set Availability (PT) -</u>**
    Given a personal trainer is on the schedule page of the website
    When he/she selects a date in the calendar and any number of the predefined time slots and press “save”
    Then a pop-up alert with the message, “success add new date” will appear to signify completion on adding availability to the selected date.

b. **Personal Trainer (Home Page) -**
    i. **<u>Display Availability (PT) -</u>**
    Given a personal trainer is on the personal trainer home page of the website
    When he/she successfully added a new availability in the schedule page
    Then he/she will be given a list of all the latest availability in the right-hand side box under the name of “Availability”
    ii. **<u>Display Information of the Personal Trainer -</u>**
    Given a personal trainer is on the personal trainer home page of the website
    When he/she updated any of his/her personal or location details in the personal trainer profile page
    Then all of the changes will be reflected in the personal trainer home page under the section of “Personal Details” and “Location Details”
    iii. **<u>Depiction of booked Timeslots -</u>**
    Given a personal trainer is on the personal trainer home page of the website
    When a client has booked any of his/her available time slots
    Then those time slots will be rendered with a darker hue to represent booked time slots

c. **Personal Trainer (Manage Client Page) -**
    i. **<u>Searching for a particular client -</u>**
    Given a personal trainer is on the managing client page of his/her account
    When he/she keys in the full name a particular client or any alphabets or (any particular booking informations of a client - this is one is optional)
    Then he/she will be given a list of cards or a specific card that corresponds to those inputted keys
    ii. **<u>View client’s booking informations -</u>**

Given a personal trainer is on the managing client page of his/her account
Then he/she can view at his/her clients' booking informations that are designated in each of the cards

d. **Personal Trainer (Message Page) -**
   i. **<u>Inputting and Sending Messages -</u>**
   Given a personal trainer on the personal trainer message page of the website
   When the personal trainer clicks on to any of the existing messages contained in the inbox or the send message button
   Then in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified

e. **Client (Booking Page) -**
   i. **<u>Making a booking request -</u>**
   Given a client is on the booking page of the website
   When he/she clicks onto the "book" button
   Then he/she will be directed to an application fill-up form and upon correctly filling up the application, he/she can click onto the submit button to direct the booking request to that particular personal trainer.
   ii. **<u>Depiction of unset Personal Trainer Availability in the booking form -</u>**
   Given a client is on the booking form
   When he/she selects the date that the personal trainer has yet to set a schedule on
   Then he/she will be given a text, "There is no time to choose" in the "choose a time" dropdown menu.
   iii. **<u>Exiting the booking form -</u>**
   Given a client is on the booking form
   When he/she clicks onto the "close" button at the bottom of the booking form
   Then he/she will exit the booking form popup.
   iv. **<u>Filtering Search Results:</u>**
   Given a client is on the booking page of the website
   When he/she enters any queries such as the name of the personal trainer, the number of clients that the personal trainer has worked with, the type of languages that the personal trainer speaks and possibly age and cost as well into the search box clicks or selects any of the options in the muscle groups dropdown menu

Then he/she will be given a list of personal trainers that correspond to the filter selections by clicking onto the "search" button. (This happens every time an option is selected)

f. **Client (Message Page) -**

   i. <u>**Inputting and Sending Messages -**</u>

   Given a client on the personal trainer message page of the website
   When the client clicks on to any of the existing messages contained in the inbox or the send message button
   Then in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified

g. **Sidebar -**

   i. <u>**Page redirection in Client's or Personal Trainer's account -**</u>

   Given a client or a personal trainer is navigating through the sidebar in his/her account
   When he/she clicks onto any of the navigating items, in the case of a client, the "Home", the "Profile", the "Message", the "Book a Trainer", the "Manage Sessions" and the "Logout", in the case of a personal trainer, the "Home", the "Profile", the "Clients", the "Message", the "Schedule" and the "Logout"
   Then he/she will be directed to that page

   ii. <u>**Logging out of Client's or Personal Trainer's account -**</u>

   Given a client or a personal trainer is signed in to his/her account
   When he/she clicks onto the "Logout" item in the sidebar
   Then he/she will be directed back to the homepage of the website indicating that he/she is logged out from his/her account

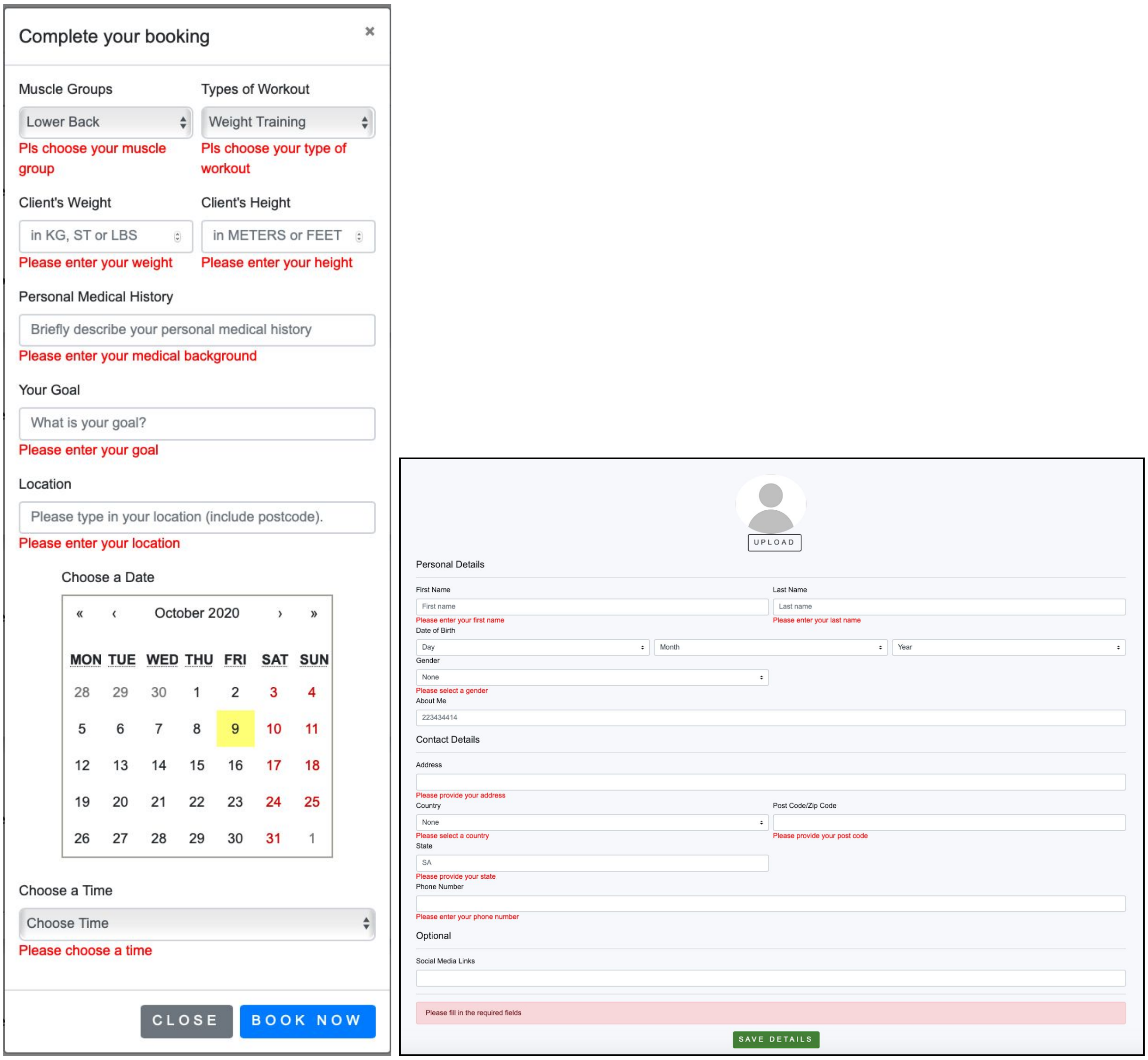


Figure 1.7: Input feedback in the profile editing page and in the booking form

h. **Input Feedback -**

i. **Profile Page for both the client and personal trainer -**

Given a client or a personal trainer is on his/her profile page

When he/she clicks onto the "SAVE DETAILS" button without filling in all of the required input fields

Then he/she will be prompted with an error notice under the input fields that were not filled in

ii. **Booking Form for the client -**

Given a client is on the booking form

When he/she clicks onto the "Book Now" button without filling in all of the required input fields

Then he/she will be prompted with an error alert under the inputs fields that were not filled in

4. Summary of Changes

Since the last snapshot, there are a couple of front-end interfaces that were changed and refined to better improve on the usability and intuitiveness of the functionalities laid in each of the interfaces.

- The first interface was the personal trainer set availability page, the reason for the change was because the interface is not user-friendly enough and does not provide any solid feedback on the date on which a schedule is set due to the fact that it only shows the weekly input fields. Therefore, we settled for an interface with a selectable calendar and a bunch of predefined time slots that the personal trainer can select to set his/her liking as shown in figure 1.1 in the design review section.
- The second interface was the personal trainer home profile page, instead of having the photos, the reviews and the rating modules, we scale it down by removing them for simplicity as shown in figure 1.2 in the design review section. We have also updated the presentation of the availability section to reflect on the changes that were made to the set availability page. Now the availability module will show the available time slots under the date on which it was set. When the available time slots are booked, then it will grey out.
- The third interface was the client's booking form, (to reflect on the changes that were made in the personal trainer set availability page), instead of having the starting date, ending date, starting time and time duration as the input fields, we have a matching calendar to specify on the date and a dropdown availability menu to specify on the available time slots for the booking as shown in figure 1.5 in the design review section.
- The fourth interface was the sidebar, to distinctly separate the client's account from the persona trainer's account, we have added a text at the top where the text that states "user's page" corresponds to the client's account and the test that states "trainer's page" corresponds to the personal trainer's account. We have also moved the logout feature from being in a dropdown menu to becoming an independent item in the sidebar. Additionally, we have also moved the set availability redirecting link from the small dashboard in the profile page to the sidebar. This is shown in figure 1.6 above.
- The fifth interface was the personal trainer's manage client page, we have completely redesigned the client card to only exhibit the client's booking information as shown in figure 1.3 above.
- The sixth interface was the client's booking page, we have completely redesigned the personal trainer card to only exhibit his/her personal and important details for easy demonstration as shown in figure 1.4 above.

In the input feedback aspect, we have added error alerts into the profile editing page and in the booking form to ensure that those input fields are filled up before submissions.

In terms of the booking functionality in the booking page, we have successfully implemented it this week. Whenever a client submits the booking form of the selected personal trainer in the booking page, the backend will record all the booking form information in a form of an array and stores it all into the database as shown in figure 2.1 below.

Consequently, we have updated the definition of done and the product backlog to reflect on these new changes.

Note: We have also moved the tasks related to the implementation of the review interface to the optional task column due to time constraints. We have stripped the review features and interfaces from all of our existing web pages.

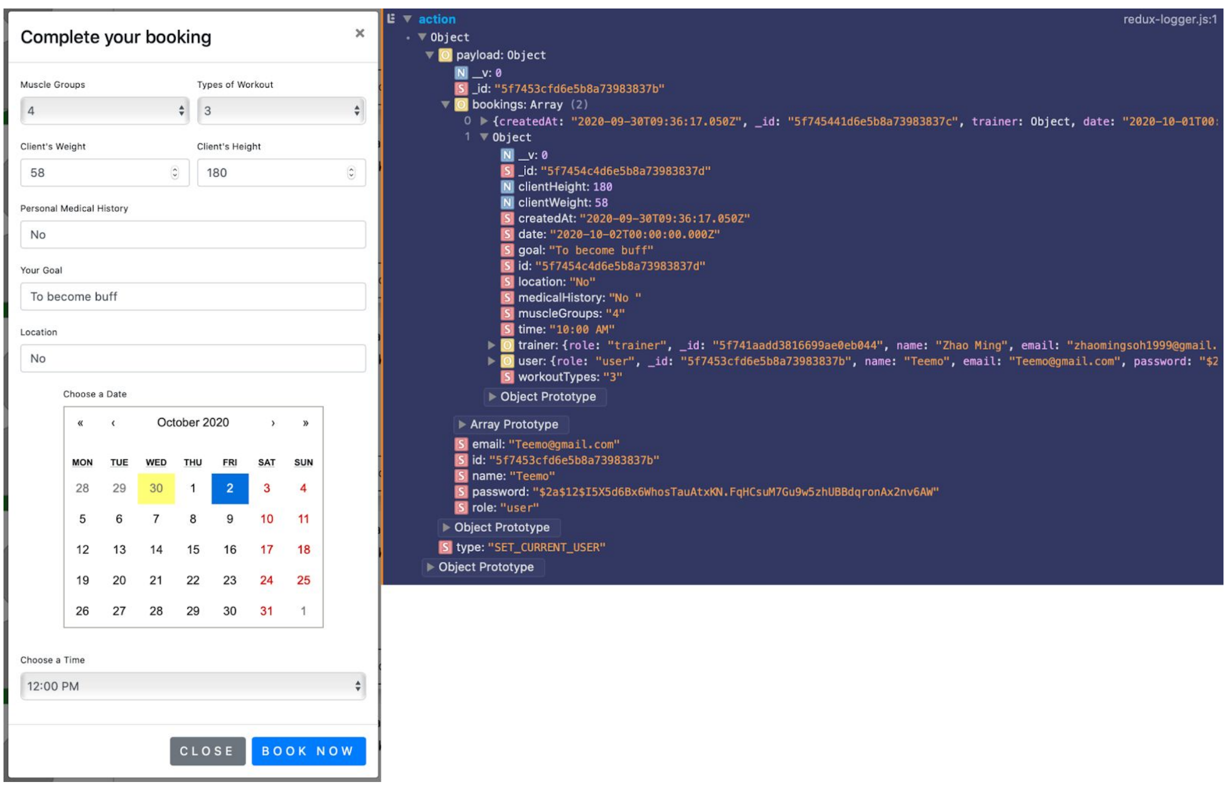


Figure 2.1: Details of the booking functionalities

Snapshot 4.2 Week <WEEK-10> of Group <PFTC7REMOTE>

Personal Fitness Trainers Club

Tien Dat Le - a1730614

Zhao Ming Soh - a1751699

Tang Thieu Kien - a1738166

Zhi Tong - a1736023

Carlos Atis - a1731835

Yian Xie - a1702241

Quan Tang - a1758910

Jinhong Xiong - a1753701

Yutong Qu - a1738747

1. Product Backlog and Task Board

<u>Product backlog (From GitHub) - Pictures are ordered from left to right.</u>

(Personal Trainer) -

24 Product Backlog

PT PART

Added by a1753701

As a personal trainer
I want to be able to register and login into the PTFC system by creating a PT profile
So that I can advertise my services to a broader audience

Acceptance Criteria

1. Page redirection (PT):
   Given: a personal trainer on the personal trainer profile page of the website
   When: they click on the home, profile (that includes change password and set availability buttons), the client (that includes the client profile picture) or message (that includes the inbox and send message buttons) buttons
   Then: they are redirected to that particular page

Added by a1738747

As a personal trainer,
I want to create a profile
So that I can show my skill sets to clients

Added by a1751699

As a Personal Trainer,
I should have a chat messaging facility
So that I can communicate with clients

Acceptance Criteria:

1. Messaging (PT)
   Given: a personal trainer on the personal trainer message page of the website
   When: the personal trainer clicks on to any of the existing messages contained in the inbox or the send message button
   Then: in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified.

Added by a1730614

As a personal trainer
I want to be able to edit my profile information
So that the information can be corrected or updated

Acceptance Criteria :

1. Personal Details and Password modification(PT):
   Given: a personal trainer on the personal trainer profile page of the website
   When: they click onto any of the input fields in the personal detail page or change password page
   Then: he/she can key in new information and update it via the save button at the bottom of each page.

Added by a1738747

As a personal trainer
I want to be able to set my availability
So that clients can make bookings accordingly

Acceptance Criteria:

1. Set Availability (PT) -
   Given a personal trainer is on the schedule page of the website
   When he/she selects a date in the calendar and any number of the predefined time slots and press "save"
   Then a pop-up alert with the message, "success add new date" will appear to signify completion on adding availability to the selected date.
2. Display Availability (PT) -
   Given a personal trainer is on the personal trainer home page of the website
   When he/she successfully added a new availability in the schedule page
   Then he/she will be given a list of all the latest availability in the right-hand side box under the name of "Availability"

Added by a1738747

As a Personal Trainer,
I should have a client management page
So that I can manage my clients

Acceptance Criteria :

1. View Client Profile (PT)
   Given: a personal trainer on the personal trainer client page of the website
   When: the personal trainer clicks onto the profile picture of its client
   Then: they are redirected to the client's profile page
2. Search Client (PT)
   Given: a personal trainer on the personal trainer client page of the website
   When: the personal trainer clicks onto the search bar
   Then the personal trainer will be prompted to key in the client's name that he/she wished to search for and that client will appear as the first result

3. Depiction of booked Timeslots -
   Given a personal trainer is on the personal trainer home page of the website
   When a client has booked any of his/her available time slots
   Then those time slots will be rendered with a darker hue to represent booked time slots

Added by a1751699

3. View client's booking information -
   Given a personal trainer is on the managing client page of his/her account
   Then he/she can view at his/her clients' booking information that is designated in each of the cards

Added by a1751699

4. Client Management (PT)
   Given: a personal trainer on the personal trainer client page of the website
   When: the personal trainer clicks onto the rubbish bin icon or the message icon
   Then: in the case of the rubbish bin icon, the client will be notified that they are dropped from his/her workout session, in the case of the message icon, the PT will be redirected to the send message page.

Added by a1751699

As a personal trainer
I want to be notified of the client's bookings
So that I can start my business

Acceptance Criteria:

1. Client’s booking request Notification (PT):
   Given: a personal trainer on the personal trainer message page of the website
   When: the client book a session with a particular personal trainer on the session booking page
   Then: the personal trainer will be notified via a message containing the booking request details.

2. Acceptance/Rejection of a client’s booking request (PT):
   Given: a personal trainer on the personal trainer message page of the website
   When: the personal trainer clicks on the accept or reject button
   Then: in the case of accepting, the client will be added to the PT client page for management and in the case of rejecting, the client will be notified that their booking request was rejected.

(Client) -

CLIENT PART

Added by a1753701

As a client
I want to be able to register and log into the PTFC system
So that I can utilise the system afterwards

Added by a1738747

As a Client,
I want to chat with potential PTs
So that I can communicate with them

Acceptance Criteria

1. Messaging:
   Given: a client is on the messaging page
   When: the client clicks on to any of the existing messages contained in the inbox or the send message button
   Then: in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified in the 'to' field.

Added by a1730614

2. Personal Details and Password Modification (Client):
   Given: a client that is on the client profile page of the website.
   When: they click onto any of the input fields in the “edit profile” page or “change password” page.
   Then: the client can key in new information and update it via the save button at the bottom of each page.

Added by a1751699

As a client
I want to see a list of PTs
So that I can book a session with that PT

Acceptance Criteria:

1. Making a booking request -
Given a client is on the booking page of the website
When he/she clicks onto the "book" button
Then he/she will be directed to an application fill-up form and upon correctly filling up the application, he/she can click onto the submit button to direct the booking request to that particular personal trainer.

2. Depiction of unset Personal Trainer Availability in the booking form -
Given a client is on the booking form
When he/she selects the date that the personal trainer has yet to set a schedule on
Then he/she will be given a text, "There is no time to choose" in the "choose a time" dropdown menu.

3. Exiting the booking form -
Given a client is on the booking form
When he/she clicks onto the "close" button at the bottom of the booking form
Then he/she will exit the booking form popup.

Added by a1730614

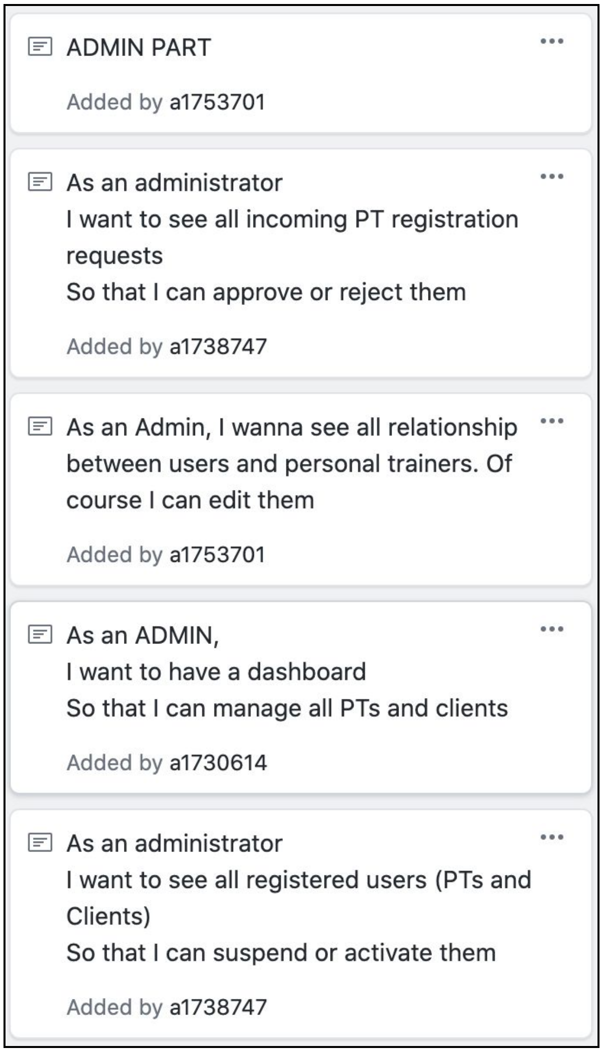
4. Filtering Search Results:
Given a client is on the booking page of the website
When he/she enters any queries such as the name of the personal trainer, the number of clients that the personal trainer has worked with, the type of languages that the personal trainer speaks and possibly age and cost as well into the search box clicks or selects any of the options in the muscle groups dropdown menu
Then he/she will be given a list of personal trainers that correspond to the filter selections by clicking onto the "search" button. (This happens every time an option is selected)

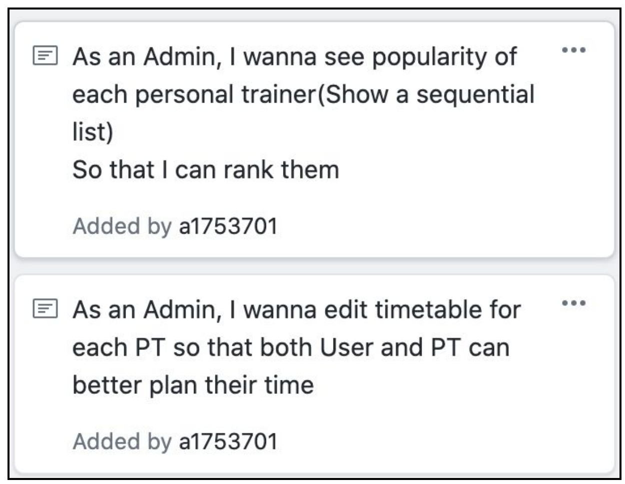
Added by a1751699

As a client
I want to review a booking
so that I can provide feedback or rate that PT

Added by a1751699

(Admin) -





Word Version gives more clarity to the entire product backlog:

ID	As a...	I want to be able to...	So that...	Priority	Sprint	Status
1	Personal Trainer	I want to be able to register and login into the PTFC system by creating a PT profile	I can advertise my services to a broader audience	Must	1	Done
2	Personal Trainer	create a profile	I can show my skill sets to clients	Must	1	Done
3	Personal Trainer	set my availability	clients can make bookings accordingly	Must	1	Done
4	Personal Trainer	edit my profile information	the information can be corrected or updated	Must	1	Done
5	Personal Trainer	have a chat messaging facility	I can communicate with clients	Must	4	In progress
6	Personal Trainer	have a client management page	I can manage my clients	Must	3	Done
7	Personal Trainer	be notified of the client's bookings	I can start my business	Must		To be Started
8	Client	register into the PTFC system	I can log into the system afterwards	Must	2	Done
9	Client	chat with potential PTs	I can communicate with them	Must	4	In progress
10	Client	create a profile	I can see my progress and personal information	Must	3	Done
11	Client	see a list of PT	I can book a session with that PT	Must	3	Done
12	Client	I want to review a booking	so that I can provide feedback or rate that PT	Could		To be Started
13	Administrator	see all incoming PT registration requests	I can approve or reject them	Should		To be Started
14	Administrator	see all relationship between users and personal trainers	I can edit them	Should		To be Started
15	Administrator	have a dashboard	I can manage all PTs and clients	Must		To be Started
16	Administrator	see all registered users (PTs and Clients)	I can suspend or activate them	Should		To be Started
17	Administrator	see popularity of each personal trainer (Show a sequential list)	I can rank them	Should		To be Started
18	Administrator	edit timetable for each PT	both User and PT can better plan their time	Should		To be Started

Taskboard (From GitHub)

1 **Task board**

Design Admin profile pages

Added by a1738747

3 **Issue Thread**

what can make the pages looks better:

1. in the home page: there have three button on the top right of the page:

- the font family might change.
- after hover the button the button become dark grey. the height of the button should be same with the height of container, this will looks better.
- in the phone size page: three button become one. after click the button, home , sign in , sign up will display. also after click the button there have a blue border. remove the blue border.

2. in the home page: in the phone width:

- at the bottom, "Become a personal trainner? join out trainner club" and at the bottom there have a "get start" button. in the phone width, the "get start" button will not fully display.

Added by a1702241

bugs i found:

1. in the client page(include Home, Profile, Message)
   in the (full width - 980px), the button is on the left of the page.
   in the (769px - smallest width), there have a button on the top right of the page.
   but when the width between 980px - 769px, there dont have any button display on the page. so this means client cant change to other page between this page width(980px - 769px).

2. in the client page(include Home, Profile, Message)
   in the (769px - smallest width), there have a button on the top right of the page. but after i click the button, nothing happened.

Added by a1702241

1. As a client
   I want to review a booking So that I can provide feedback or rate that PT:
   -for now there have Home, Profile, Message and Booking in the client server. there need another page called: "My Classes". in this page, client can check the classes they enrol. and also they can provide the feedback or rate the PT. the message and the rate client provide should display at the "booking" page.

2. As a client
   if he want to hire a PT from "booking" page. after click the the "hire" or "booking" buttom. there will have a form display. in the form , there should have: first name, last name, phone, email, the time client want to take the class(for eample 11-12), what kind of class the client want(for example: increase muscle, lose fat..) and Hope to achieve goals after class(for example lost 3kg weight).
   after submite the form, these detail will send to the PT.
   after the PT accept the offer, the "avalability" for PT will change to red at that time.

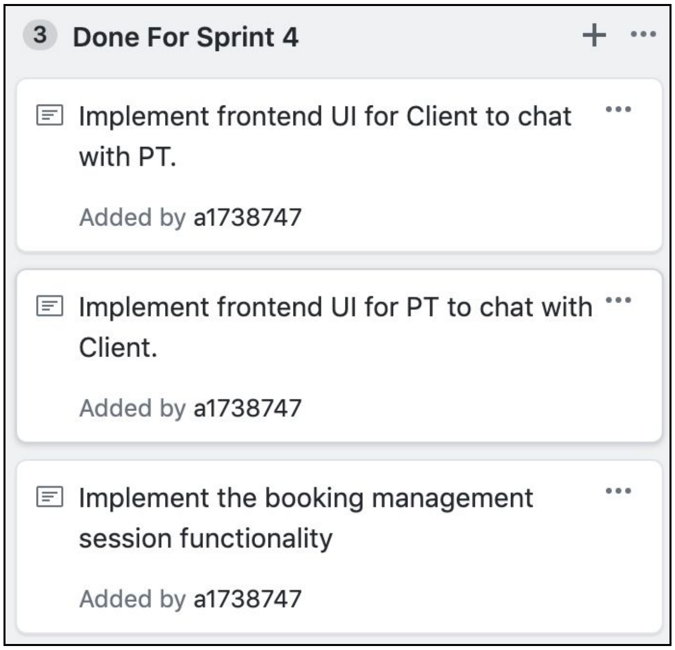
Added by a1702241

5 In progress

- Implement the functionality for users to search for personal trainers on the home page even if they haven't registered or haven't logged in
  Added by a1738747
- Implement the functionality for Client to immediately receive the message sent from PT.
  Added by a1738747
- Implement the functionality for PT to immediately receive the message sent from Client.
  Added by a1738747
- Implement the functionality for the real-time display messages.
  Added by a1738747
- Implement backend services for chat functionality.
  Added by a1738747

6 In progress (optional)

- Review
  Added by a1751699
- Implement frontend UI for Client to review bookings.
  Added by a1751699
- Implement backend services for PT to update the PT rating and feedback according to reviews.
  Added by a1751699
- Implement the functionality for Client to provide a review of a booking.
  Added by a1751699
- Implement backend services to store reviews and provide reviews to relative PT.
  Added by a1751699
- Implement backend services for the Client to update Client reviews.
  Added by a1751699



Word Version of the task board:

<table>
<tr><th>To Do</th><th>Doing</th><th>Done</th></tr>
<tr>
<td rowspan="3">• Design Admin profile pages</td>
<td rowspan="3">(Messaging)
• Implement backend services for chat functionality.
• functionality for Client to immediately receive the message sent from PT.
• Implement the functionality for PT to immediately receive the message sent from Client.
• Implement the functionality for the real-time display messages.</td>
<td>(Sprint 1)
• focus on initial report finish it ASAP
• Set up Nodejs (Express) server
• Set up MongoDB database
• create ER model
• Connect Nodejs with MongoDB
• Design home page
• Design login page for PT
• Design sign-up page
• Design PT's profile page
• Design must be given before this weekend
• Implementing login page for PT
• Implementing sign-up page for PT
• Implementing home page for PT
• create data plan (list all route that we are going to use)
• Implementing PT's profile page</td>
</tr>
<tr>
<td>(Sprint 2)
• Design the PT booking page for the client
• Design the client Home profile page
• Design the client User profile page
• Design the client message page
• Implement Client's profile page</td>
</tr>
<tr>
<td>(Sprint 3)
• Change the PT set availability implementation
• Create the data plan for Client
• Implement Client's Booking backend route.</td>
</tr>
</table>

	Optional - (Review) • Implement backend services to store reviews and provide reviews to relative PT. • Implement backend services for the Client to update Client reviews. • Implement backend services for PT to update the PT rating and feedback according to reviews. (Review) • Implement frontend UI for Client to review bookings. • Implement the functionality for Client to provide a review of a booking.	(Sprint 3.5 to 4) (Booking Page) • Implement Client's booking functionality • Implement backend services to store bookings and provide bookings to relative PT. (Booking Page) • Implement backend services for the Client to update Client bookings. • Implement backend services for PT to update the PT schedule. (Booking Search) • Implement the searching functionality. • Implement backend services to collect results for searching and provide results to frontend UI. (Messaging) • Implement frontend UI for Client to chat with PT. • Implement frontend UI for PT to chat with Client.

2. Sprint Backlog and User Stories

<u>Sprint backlog (From GitHub):</u>

6 **Sprint 4 Backlog**

As a user,
I want to search for a personal trainer even if I haven't registered or I haven't logged in
So that I can search for personal trainers more easily and freely

Acceptance Criteria:

1. Searching
   Given: a user on the home page of the website
   When: the user clicks on the search bar, input some keywords and clicks on the search button
   Then: this user will be redirected to the page for search results and be shown a number of results (personal trainer cards)
2. Booking without sign-up
   Given: a user on the search page without sign-up
   When: the user clicks on the booking button on a personal trainer card (search result)
   Then: this user will be redirected to the login page, this user can choose to go to the sign-up page then
3. Booking without login
   Given: a user on the search page without login
   When: the user clicks on the booking button on a personal trainer card (search result)
   Then: this user will be redirected to the login page

Added by a1738747

4. Check personal trainer profile
   Given: a user on the page of search results
   When: the user clicks on one of those search results (personal trainer cards)
   Then: this user will be redirected to see the home page of the personal trainer's profile

Added by a1738747

PT PART

Added by a1738747

As a Personal Trainer,
I should have a chat messaging facility
So that I can communicate with clients

Acceptance Criteria:

1. Messaging (PT)
   Given: a personal trainer on the personal trainer message page of the website
   When: the personal trainer clicks on to any of the existing messages contained in the inbox or the send message button
   Then: in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified.

Added by a1738747

CLIENT PART

Added by a1738747

As a Client,
I should have a chat messaging facility
So that I can communicate with personal trainers

Acceptance Criteria:

1. Messaging (C)
   Given: a client on the client message page of the website
   When: the client clicks on to any of the existing messages contained in the inbox or the send message button
   Then: in the case of the existing messages, a reply box at the bottom of each message can be used for messaging and in the case of a send message button, a form containing a couple of input fields can be used to formulate a message to whoever was specified

Added by a1738747

User Stories and Related Tasks Selected for the Current Sprint:

User Stories	Related task
1. As a user, I want to search for a personal trainer even if I haven't registered or I haven't logged in, so that I can search for personal trainers before the sign-up or login.	1. Implement frontend UI for users to search for personal trainers on the home page of the website. 2. Implement frontend functionality for users to type words in the search bar and there is a validation check for input words. 3. Implement frontend UI for displaying results of a search. 4. Implement backend services to search and match results in the database according to the user input and send results back to the frontend. 5. Implement frontend functionality that once the user

	clicks on the booking button but hasn’t logged in, this user can be redirected to the login page for login first.
1. As a client, I want to have a chat messaging facility, so that I can communicate with personal trainers.	1. Implement frontend UI for a real-time and interactive client chat interface. 2. Implement frontend services that allow the client to type and send messages. 3. Implement fronted services for updating displayed messages in real-time. 4. Implement fronted services for updating messages in the chat interface without needs of reloading the page. 5. Implement backend services to collect messages and provide messages to frontend UI. 6. Implement backend services to match clients and personal trainers who are messaging with each other.
2. As a personal trainer, I want to have a chat messaging facility, so that I can communicate with clients.	1. Implement frontend UI for a real-time and interactive personal trainer chat interface. 2. Implement frontend services that allow the personal trainer to type and send messages. 3. Implement fronted services for updating displayed messages in real-time. 4. Implement fronted services for updating messages in the chat interface without needs of reloading the page. 5. Implement backend services to collect messages and provide messages to frontend UI. 6. Implement backend services to match clients and personal trainers who are messaging with each other.
3. As a client, I want to review a booking, so that I can provide feedback or rate that PT.	1. Implement frontend UI for Client to review bookings. 2. Implement the functionality for Client to provide a review of a booking. 3. Implement backend services to store reviews and provide reviews to relative PT. 4. Implement backend services for the Client to update Client reviews. 5. Implement backend services for PT to update the PT rating and feedback according to reviews.

3. Definition of Done

Design Reviews -

It has to be minimalistic and conform to all of the user stories provided in each of the Sprint.

Figure 1: Client's HomePage

a. **Client's HomePage contains -**
   i. A top left box that has the client's profile picture and name
   ii. A bottom left box that has the client's personal information:
      1. The About client's details
      2. The client's contact information such as his/her phone number and email address
      3. The client's basic information such as his/her date of birth, gender, address, state, postcode and country

4. The client's social media links such as his/her Facebook link and Instagram link

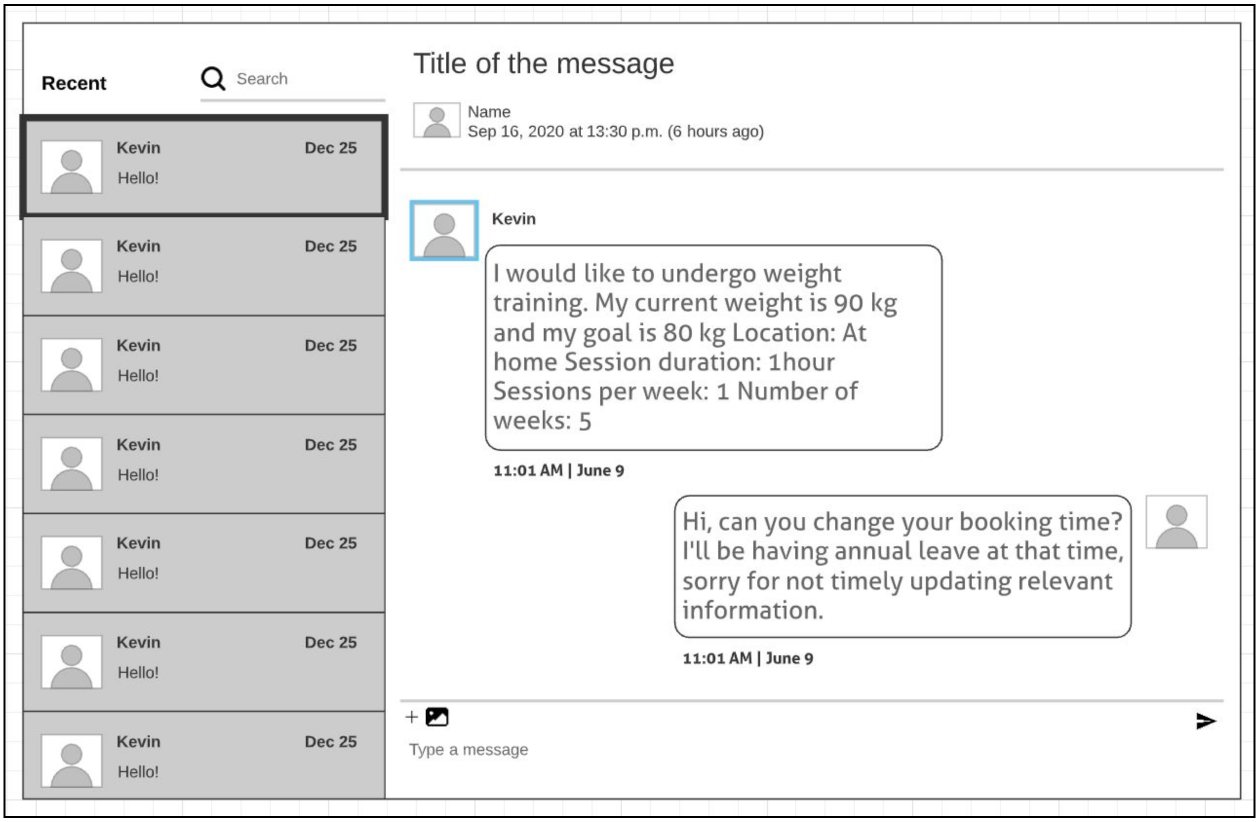


Figure 2: Message Interface for both client and personal trainer

b. The Message Interface for both the Client and Personal trainer contains -

i. An inbox on the left of the message interface that shows the most recently received messages. The inbox itself has the profile picture of the sender, the name of the sender, the date that the email was sent and the contents of the email.

ii. A search box that allows filtering of the inboxes by name and date.

iii. A messaging interface on the right that shows the contents of a selected inbox such as the title of the inbox message, the name of the sender, the time and date from which the inbox message was received, a list of communications between the sender and the personal trainer/client, a text input reply field.

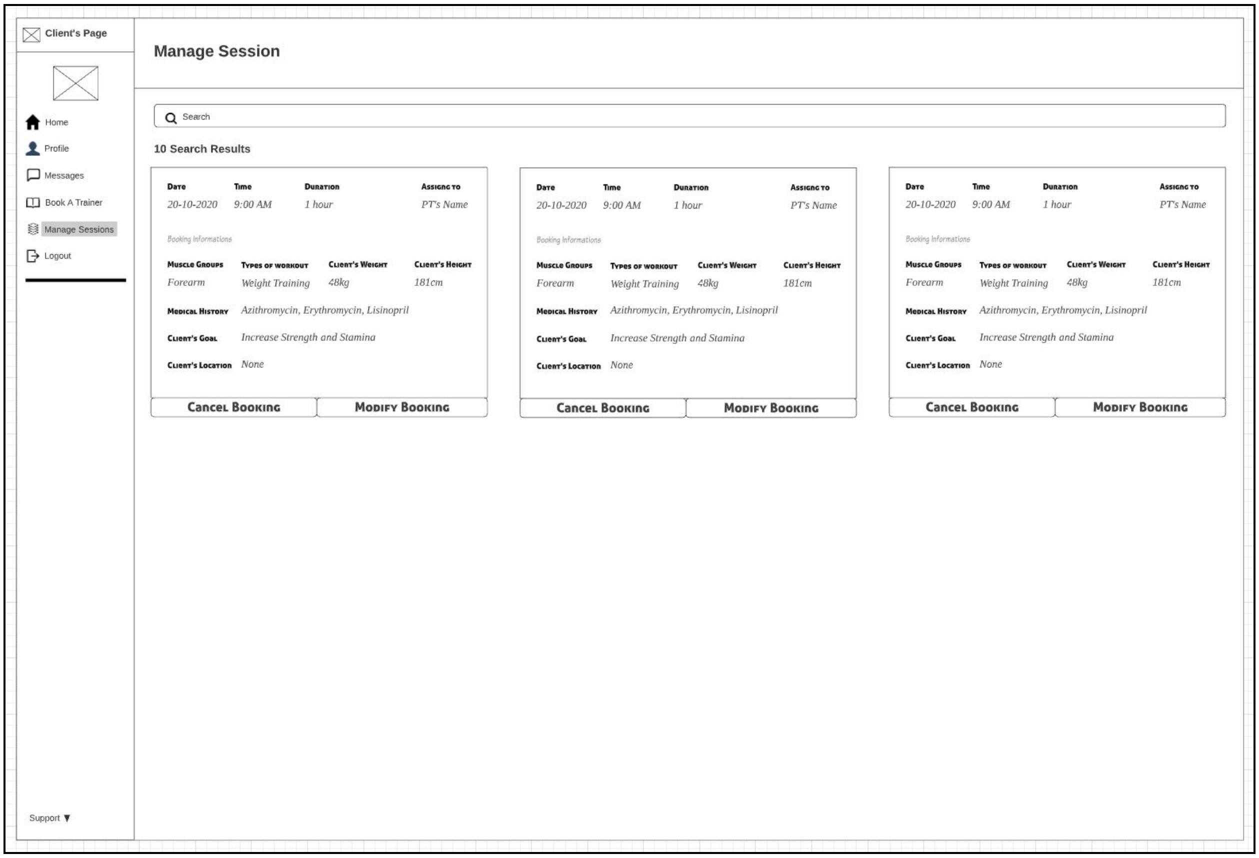


Figure 3: Client's Manage Booking Session Page

c. **Client's Manage Booking Session Page contains -**
   i. A bunch of Client's booked session listed out in the card format:
      1. The card contains the details of the booked session:
         1. Date, time and duration of the booked session
         2. The personal trainer name
         3. The muscle groups
         4. The types of workouts
         5. The client's weight and height
         6. The client's medical history
         7. The client's goal
         8. The client's location

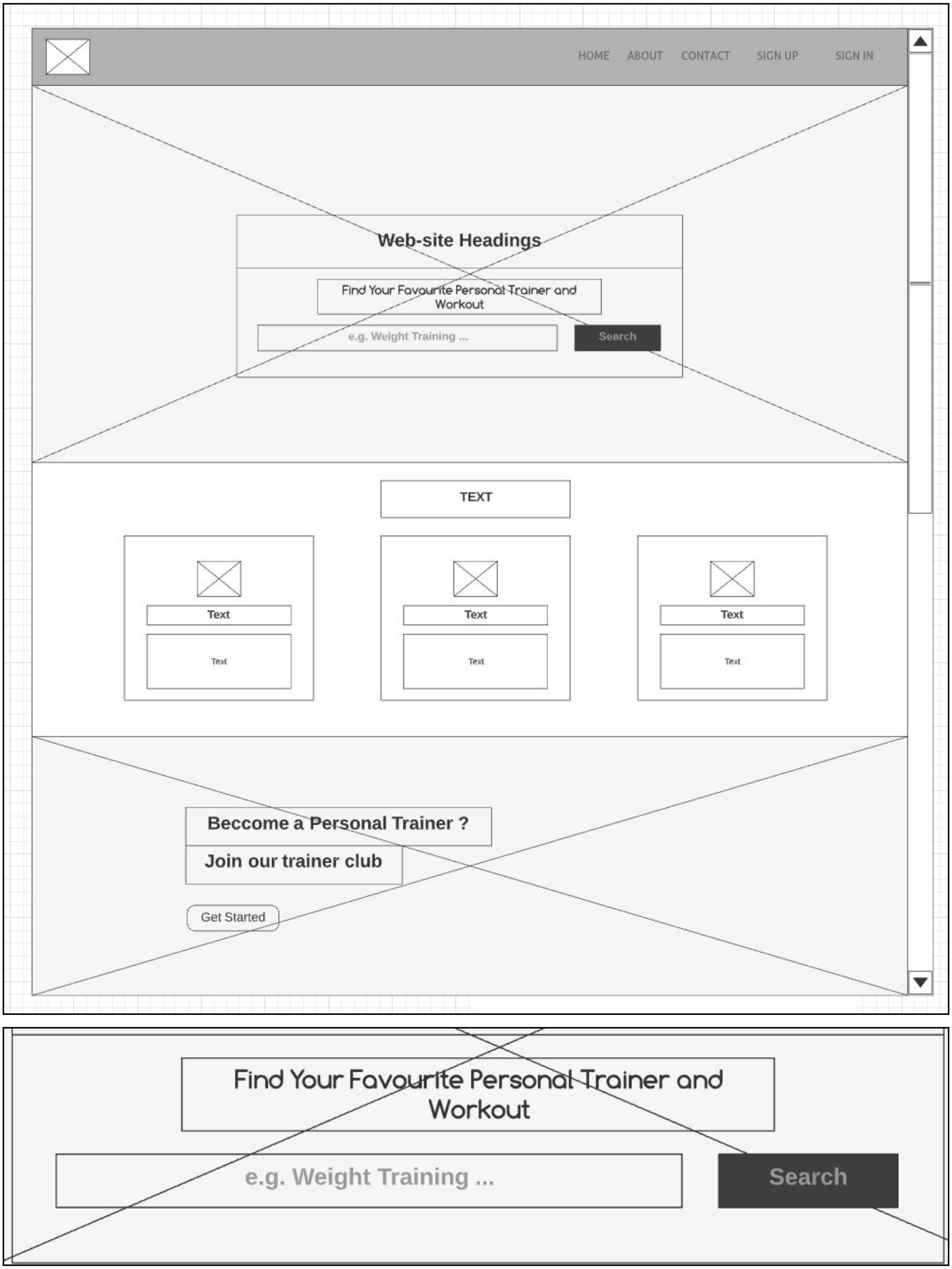


Figure 4: HomePage of our Website

d. **Homepage of the website (The search feature added) contains -**
   i. A navigation bar at the top that has:
      1. The website logo
      2. The Home page link
      3. The About page link
      4. The Contact page link
      5. The Sign-up page link
      6. The Sign-in page link
   ii. The body has:
      1. Website main heading
      2. A search bar
      3. 3 boxes in the middle that contains some form of information about our website
      4. A Get Started button for the personal trainer

Coding -

a. In this sprint, the definition of done of coding has to conform to our agreed general coding standards laid out in the initial report, such as:
   i. Variable names that clearly indicate the purpose of the variable.
   ii. Appropriate indentation and line breaks for readability that conform to all of the listed programming languages.
   iii. Well-understood comments at the start of code explaining the purpose of the code
   iv. Consistent and applicable use of space to make code readable.

b. Some precise coding standards according to different techniques or languages:
   i. **HTML -**
      1. All HTML documents must use two spaces for indentation and there should be no trailing whitespace.
      2. Using lowercase element names and lowercase attribute names, for example, <body> rather than <BODY>.
      3. Closing all HTML elements, for example, <p></p>.
      4. Quoting attribute values.
      5. Trying to avoid too long code lines for better readability.
      6. Avoiding to add blank lines, spaces, or indentations without a reason for the better readability.
   ii. **CSS -**
      1. The name of a selector should be self-descriptive and readable.
      2. Trying to reduce the use of inline-styles to make changes on styling easier.
      3. Using shorthands properties to help to reduce the lines of rules.

4. Trying to organise the CSS code by using the BEM methodology, which is a naming convention and stands for Block Element Modifier.

iii. **React -**

1. Avoiding to add non-sense React components and making components as short as possible.
2. Components which are at the same level of abstraction should be together.
3. Trying to reduce the number of props to a minimum.
4. Use react-bootstrap as much as possible, otherwise, we might be getting some errors for the backend.
5. Use 'classnames' library and module.css to avoid style conflicts.

Acceptance Testing -

a. Client's Homepage -

i. <u>Display Name -</u>

Given a client is on the home page of his/her profile
When he/she successfully modified his/her name in the "Profile" page
Then he/she will be given the latest valid name in the home page

ii. <u>Display Personal Information -</u>

Given a client is on the home page of his/her profile
When he/she successfully modified his/her personal information in the "Profile" page
Then he/she will be given all the latest valid information in the bottom left box under his/her name

iii. <u>Display Client Photo -</u>

Given a client is on the home page of his/her profile
When he/she successfully uploaded a new photo in the "Profile" page
Then he/she will be given the latest valid photo uploaded in the top left box

iv. <u>Display Bookings -</u>

Given a client is on the home page of his/her profile
When he/she successfully added a new booking in the "Book A Trainer" page
Then he/she will be given a list of all the latest bookings in the right-hand side box under the name of "Booked Sessions"

b. Message Interface for both the Client and Personal trainer -

i. <u>Receiving a Message -</u>

Given a client/personal trainer is on the message page of his/her account
When he/she receives a new message
Then a new inbox will be added to the top of the list of inboxes to indicate its order of arrival from the most recent to the least recent.

ii. <u>Sending a Message -</u>

Given a client/personal trainer is on the message page of his/her account

When he/she clicks onto the text input field at the bottom of the messaging interface whilst being in one of the inbox messages
Then he/she will be prompted to key in texts that will be sent to the sender of that message via the send logo on the right-hand side of the text input field.

iii. **Searching for Specific Messages -**
Given a client/personal trainer is on the message page of his/her account
When he/she keys in a name or a date into the search box
Then only the relevant messages will be displayed in the inbox list

c. **Personal Trainer (Manage Client Page) -**

i. **Searching for a Particular Client -**
Given a personal trainer is on the managing client page of his/her account
When he/she keys in the full name a particular client or any alphabets or (any particular booking information of a client - this is one is optional)
Then he/she will be given a list of cards or a specific card that corresponds to those inputted keys

d. **Client (Booking Page) -**

i. **Filtering Search Results:**
Given a client is on the booking page of the website
When he/she enters any queries such as the name of the personal trainer, the number of clients that the personal trainer has worked with, the type of languages that the personal trainer speaks and possibly age and cost as well into the search box clicks or selects any of the options in the muscle groups dropdown menu
Then he/she will be given a list of personal trainers that correspond to the filter selections by clicking onto the “search” button. (This happens every time an option is selected)

e. **Homepage of the Website -**

i. **Searching as a Client -**
Given a client is on the homepage of the website
When he/she enters his/her preferred type of workout or personal trainer
Then he/she will be redirected to the sign-in and sign-up page. Upon logging into his/her client’s account, he/she will be redirected to the booking page with a list of personal trainers that correspond to the previously searched result.

4. Summary of Changes

Since the last snapshot, according to the feedback from the tutor in the last sprint review meeting, we came up with a modified home page design of our website by adding the searching functionality. So that the user can search personal trainers on the home page without registering or logging in, and the website will check whether the user is logged in when this user clicks on the “Booking” button of any search result. However, all of these are only in the design phase due to time constraints; we may not be able to implement it as we have other higher priorities tasks to complete such as the messaging and manage session implementations.

As for the coding part, we improved the user interface of some pages, for example, the home page of the client profile that we improved now can clearly display the information details and booking sessions of a client. And we implemented the functionality of managing sessions in the client profile so that the client can manage their bookings intuitively. Also, we implemented the prototype of message functionality for clients and personal trainers to chat with each other.
As for the design part, we continued to design the Admin part of the website and improved some features.

As for the final presentation part, we decided to make a more detailed process presentation outline which complies with the specifications listed for the final presentation assignment: https://myuni.adelaide.edu.au/courses/54561/assignments/187868, so that we can assign the group work for the final presentation to each member more reasonably.

Our process presentation outline:
https://docs.google.com/document/d/1149rMLlL2u0uscrWIg6RRDZyI_G0yJO_20puBCViWB8/edit?usp=sharing

- **Declaration of attendance at the sprint meeting sprint retrospective planning meeting :**
    - I attended the sprint review/planning meeting on the 23rd of October at 5:00 p.m. to 5:30 p.m. (Australia time) with the tutor.

What went well in the sprint (Individual)?

First thing first, our team members have been attending every meeting in a timely manner ever since the commitments were laid down in the previous sprint which means our meetings start and end in the appropriate time frame. Resulting in no wasted time and frustration. Second of all, I would commend on how well our team members have been in the department of cooperation and assistance. For instance, the more capable members have been very willing and patient in helping the weaker or less capable members in developing difficult/technical coding implementations. I for one am the weakling in this group as I do not have much experience with using much of the techs that were proposed at the start of this project. I am deeply grateful to have team members that are understanding. Thirdly, I want to say that the agile process has been very eye-opening and convenient in guiding us through the various stages of our project development. For instance, the fact that we have a deliverable prototype at the end of each sprint makes the project so much more practical as we can get immediate feedback on what can be improved or what can not be improved.

What could be improved (Individual)?

I would say that I myself has a lot to improve on. For instance, throughout the development of our project, I have found myself to be inadequate in a lot of the technical aspects of this project such as dealing with the middlewares that connect the back-end to the front-end or building the simplest database to support the project have been quite the struggle. I felt that I am over-relying on my teammates to help me out in sorting these technicals stuff. I know that this kind of behaviour is very dangerous and impeding especially in a real-world project building environment. Therefore, I need to be more proactive in learning these technicals stuff in the most efficient way possible that can result in the most practical usage.

In terms of the team, there isn't much to say or improve on as everyone was involved in every aspect of the project. Maybe the act of speaking up and throwing out ideas needs to be prompted to the more hesitant members as I would love to see what they have in mind.

What will the group commit to improve in the next sprint (Individual)?

As a team, we are committed to increasing the number of commits to the Github repository to ensure the involvement and consistency of each member in developing this project. Another thing that we are committed to improving is the preparation for the final phase of our project that includes the presentation and the final reports as this phase of our project wasn't really prioritised in the last sprint. What we are proposing is that everyone in the team should they be reluctant or not needs to engage in the brainstorming of our project presentation and final project so as to make them as resourceful as possible.