Retrospective Sprint <2> 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 2.1 Week <WEEK-5> of Group <PFTC7REMOTE>

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1. Product Backlog and Task Board

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

23 **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 on the personal trainer profile page of the website
   When: they click on the add or delete button
   Then: the personal trainer can insert a new schedule to each of the relevant days' box based on the selected week and they can also delete any of the selected schedule boxes.

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

Added by a1751699

3. 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.

Added by a1751699

CLIENT PART

Added by a1753701

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

Added by a1738747

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

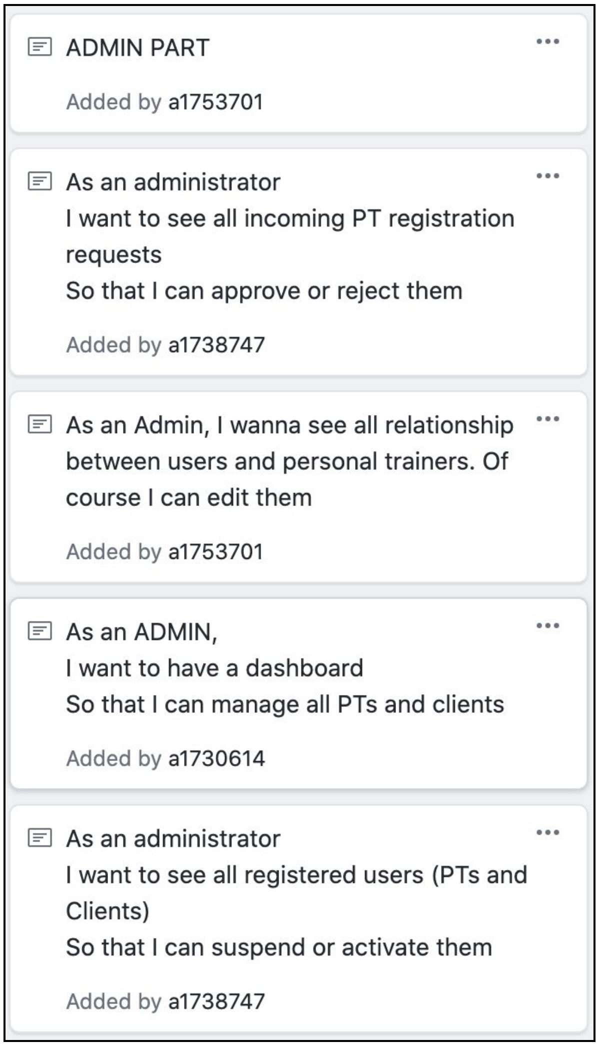
Added by a1730614

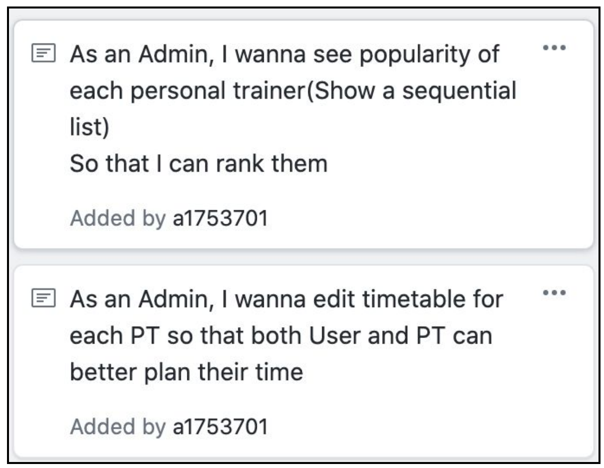
As a Client
I want to create a profile
So that I can see my progress and personal information

Added by a1730614

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

Added by a1730614

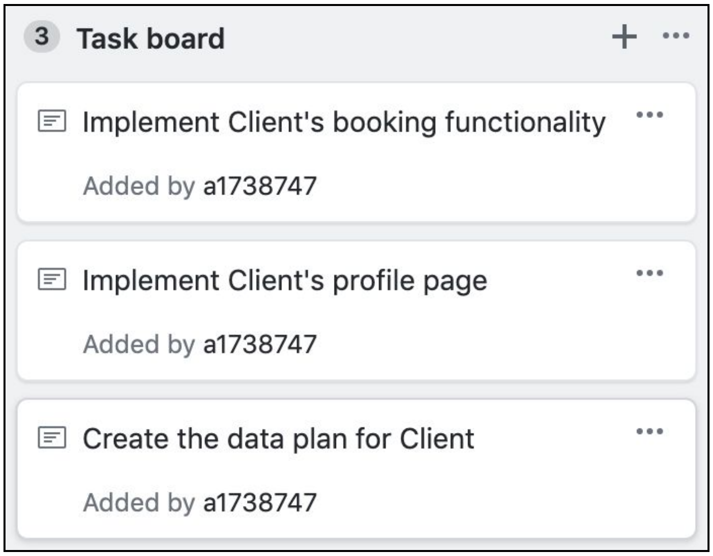


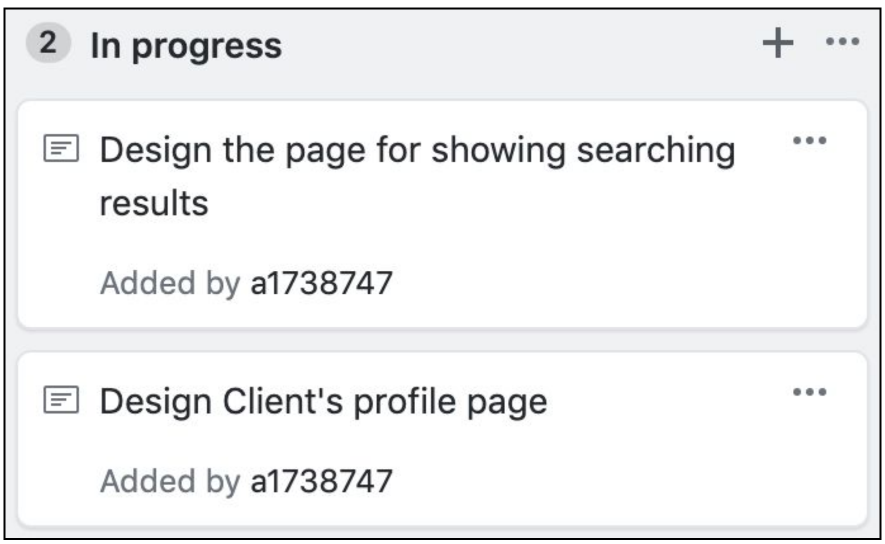


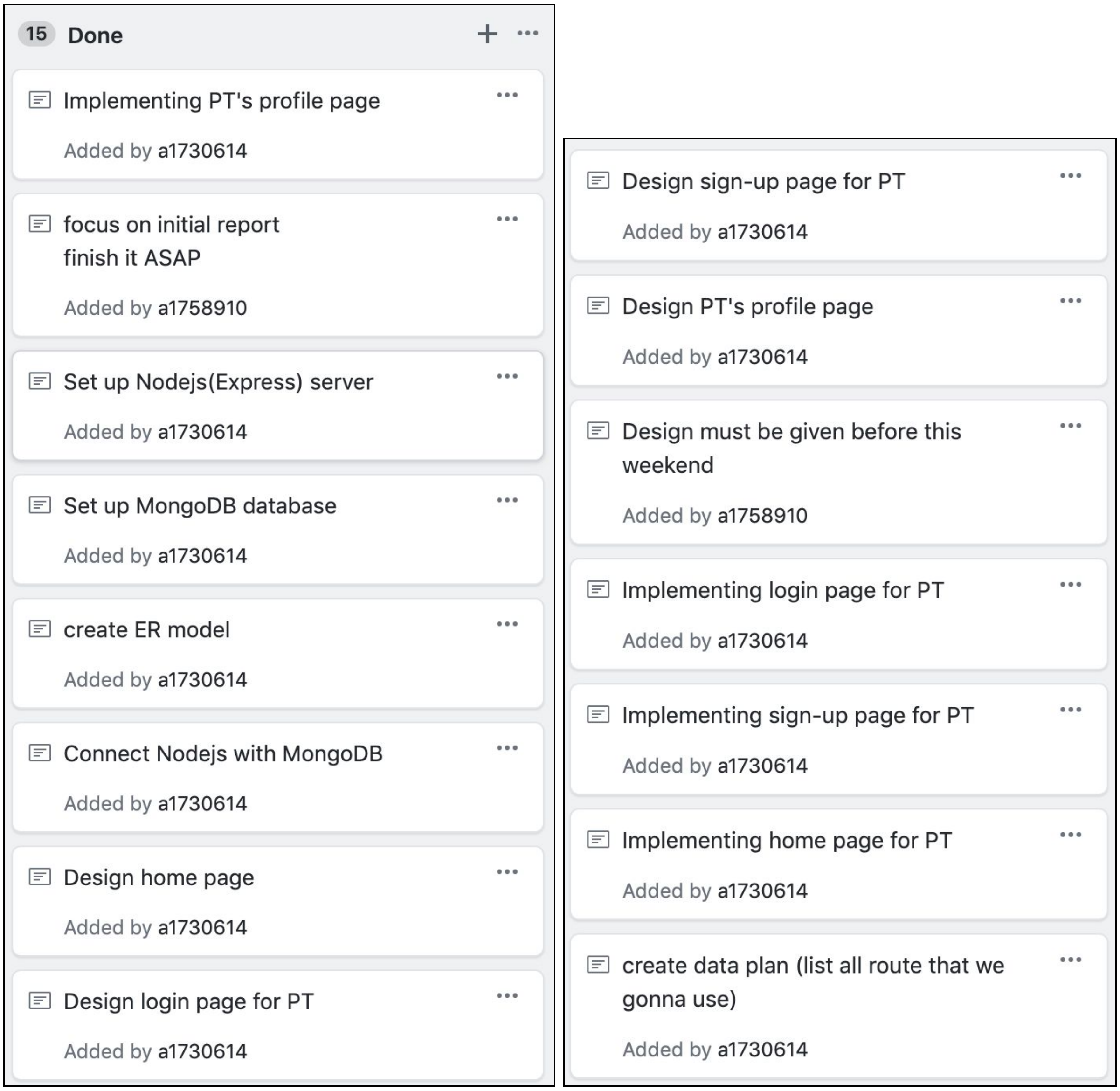
Word Version gives more clarity to the entire product backlog:

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		**To be Started**
6	Personal Trainer	have a client management page	I can manage my clients	Must		**To be Started**
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	In progress
9	Client	chat with potential PTs	I can communicate with them	Must		**To be Started**
10	Client	create a profile	I can see my progress and personal information	Must	2	In progress
11	Client	see a list of PT	I can book a session with that PT	Must	2	In progress
12	Administrator	see all incoming PT registration requests	I can approve or reject them	Should		**To be Started**
13	Administrator	see all relationship between users and personal trainers	I can edit them	Should		**To be Started**
14	Administrator	have a dashboard	I can manage all PTs and clients	Must		**To be Started**
15	Administrator	see all registered users (PTs and Clients)	I can suspend or activate them	Should		**To be Started**
16	Administrator	see popularity of each personal trainer (Show a sequential list)	I can rank them	Should		**To be Started**
17	Administrator	edit timetable for each PT	both User and PT can better plan their time	Should		**To be Started**

Taskboard (From GitHub)





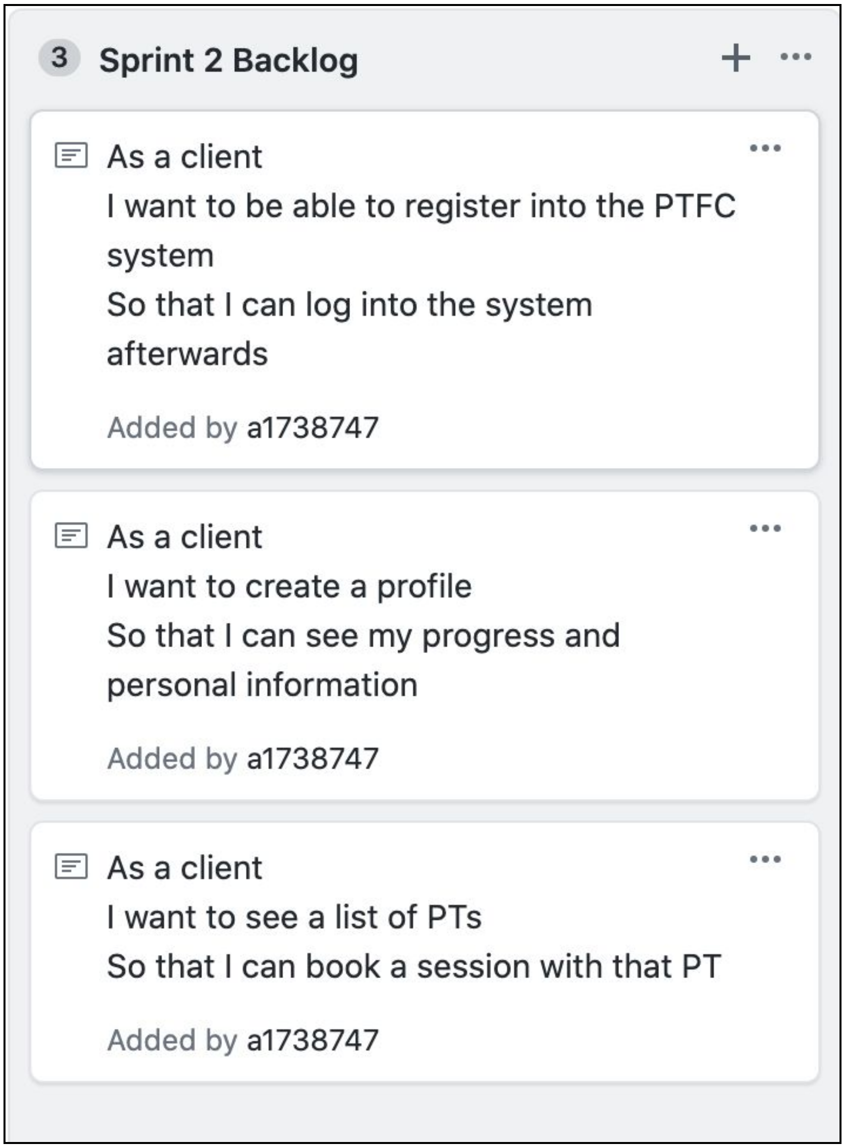


Word Version of the task board:

To Do	Doing	Done
• Implement Client's booking functionality • Implement Client's profile page • Create the data plan for Client	• Design User profile page, Home profile page, the booking page and the message page.	• 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

2. Sprint Backlog and User Stories

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



<u>User Stories and Related Tasks Selected for the Current Sprint (some for the next Sprint):</u>

User Stories	Related task
1. As a personal trainer, I want to register or login into the PTFC system, so that I can utilise this website further on. Also, I can sign out as I want.	1. Implement frontend UI for the homepage. 2. Implement frontend UI for PT registration. 3. Implement frontend UI for PT login. 4. Implement backend services to store PT information for sign-up and certification. 5. Implement backend services for PT to sign in and out.

2. As a personal trainer, I want to create a profile, so that I can show my skill sets to clients.	1. Implement frontend UI for PI profile. 2. Implement backend services to store PT profile data.
3. As a personal trainer, I want to edit my profile, so that I can update or correct my profile information.	1. Implement frontend UI of PI profile for PT personal information. 2. Implement backend services for PT to update PT profile data.
4. As a personal trainer, I want to set my availability, so that clients can make bookings accordingly.	1. Implement frontend UI for PT to set the availability. 2. Implement backend services to store and update PT availability.
5. As a client, I want to register or login into the PTFC system, so that I can utilise this website further on. Also, I can sign out as I want.	1. Implement frontend UI for Client registration. 2. Implement frontend UI for Client login. 3. Implement backend services to store Client information for sign-up, sign-in and sign-out.
6. As a client, I want to create a profile, so that I can see my progress, bookings and personal information.	1. Implement frontend UI for Client profile. 2. Implement backend services to store Client profile data.
7. As a client, I want to edit my profile, so that I can update or correct my profile information.	1. Implement frontend UI of Client profile for Client personal information. 2. Implement backend services for Client to update Client profile data.
8. As a client, I want to see a list of personal trainers after searching, so that I can book sessions with personal trainers.	1. Implement frontend UI for results after searching. 2. Implement backend services to collect results for searching and provide results to frontend UI.
9. As a client, I want to make bookings with personal trainers, so that I can reach my fitness goals with personal trainers.	1. Implement frontend UI for booking. 2. Implement backend services to store bookings and provide bookings to relative PT.

3. Definition of Done

1. Design reviews - (We have yet to design the client user interface, the design will be provided in the next sprint)
    a. It has to be minimalistic and conform to all of the user stories provided in each of the Sprint.
        i. The Sign-in and Login Pages should have the following things : (Client)
            1. Sign-in page - (Exactly the same as what a personal trainer will see)

a. Input format that has a username field, an email field and password field.
b. A sign-up button to send a sign-up request and submit the data to the database.
c. A Google button that works as an alternative sign-up method.
d. A home button to redirect a client/personal trainer back to the homepage.
e. A login button to redirect a client/personal trainer to the login page.
f. A close button to cancel the sign-up and redirect the client/personal trainer to the previous page.
g. A horizontal select box for a client or personal trainer account.
h. A terms and conditions notification.

2. Login page - (Exactly the same as what a personal trainer will see)
    a. An email address/username and a password input field.
    b. A "remember me" select box. (Optional)
    c. A login button that will direct the input fields data to the backend for verification.
    d. A close button to cancel the login and redirect the client/personal trainer to the previous page.
    e. A Google button that works as an alternative.
    f. Forget Password and Sign-up now links. (Optional)

ii. The profile setup page (For new Client) - **(Same as what a new personal trainer will see but do not contain personal trainer related input fields)**
    1. Standard Personal Details input fields
    2. Standard Contact Details input fields

iii. Personal Trainer Home Profile Page should have the following things or functionalities:
    1. Photos uploaded by the personal trainer.
    2. A preview of personal details.
    3. Some information such as availability and rating.
    4. An about section of the personal trainer.

iv. **Client Profile Page** should have the following things or functionalities:
    1. The Left-hand side dashboard -
        a. A home logo that can redirect the client back to the profile home page.
        b. A name under the home logo that works as a drop-down menu that has the option of logging out. Once the user clicks on the name button, the log out button appears.
        c. A series of buttons that can redirect the client to the home page, the profile page, the booking page, the messages page and the schedule page. (Optional)

2. The home profile page -
    a. A photo uploaded by the client.
    b. A preview of personal details.
3. Edit Profile Page -
    a. Personal details and Contact details input field that can be changed upon clicking onto it. The input fields should display previous details.
    b. A “save details” button that will send all the updated fields data into the database.
4. Change Password page -
    a. Change password input fields.
    b. A “save new password” button that will send the newly set password into the database.

v. Booking Page should have the following things and functionalities:

a. A search bar for searching the type of workouts, in this case, the muscle groups that he/she wants to train.
b. Another search bar for searching up the availability
c. Another search bar for searching up the particular trainer that he/she wants to work with.
d. A series of rectangular boxes containing information about a particular personal trainer that includes the profile picture, name, spoken language, muscle groups tags, ratings, availability, pricing, a message button and a hire button.

2. Coding -
    a. In this sprint, the definition of done of coding has to conform to our agreed 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.
        v. When using react, a component is a reusable object of a website. For example, a card showing the personal trainer when searching for personal trainers in the website is a component. This can be copied again throughout the whole page to create additional rows of cards. Furthermore, this may be

used in other parts of the websites, for example, in the list of all members in a workout team. In our website, we created components like these like the login form, personal trainer results and client list.

vi. We didn't make it a habit to insert inline styles in HTML because this has a bad effect when the time comes to wrap the HTML in react.

vii. In making the HTML, we had utilized the responsiveness of bootstrap for HTML. In using flex, we separated this into columns with proper sizes and becomes a full row when the page shrinks.

viii. In making the database, we didn't store the images itself in the database to save space. Instead, we used online photo storage and inserted the small links it has into the database.

3. Acceptance Testing -
   a. The webpage functions and features must work as stated in the acceptance criteria for each of the user stories.
      i. Login page -
         i. <u>Page Redirection:</u>
            Given a client/personal trainer on the login page of the website.
            When he/she clicks on the home logo, sign up button or links (forgot password and sign-up now links). (Optional)
            Then he/she will be directed to the appropriate page.
         ii. <u>Login Validation (Success and Failure):</u>
            Given a client/personal trainer who has an account is on the login page of the website.
            When he/she clicks onto the login button upon entering the correct email and password or he/she enters the incorrect email and password.
            Then he/she is notified by a message "success" and redirected to their associated profile in the case of correctly entering the required details if not he/she will be prompted with an "error message" asking him/her to either re-enters his/her details or sign-up a new account.
         iii. <u>Login with Alternatives:</u>
            Given a client/personal trainer who has an account that is signed-up using Google or Facebook is on the login page of the website.
            When he/she clicks the Google or Facebook button.
            Then he/she will be redirected to the Google or Facebook login page.

ii. Sign-up Page -

i. Page Redirection:
Given a client/personal trainer is on the sign-up page of the website.
When he/she clicks on the home logo, login button, login link or the terms and condition link.
Then he/she will be directed to the appropriate page.

ii. Sign-up Validation (Success and Failure):
Given a client/personal trainer is on the sign-up page of the website.
When he/she clicks onto the Sign-up button upon entering all the required fields correctly or he/she enters the incorrect details.
Then he/she will be redirected to the homepage in the case of a successful sign-up, if not then he/she will be prompted with an “error” message indicating either that the entered details have already been taken or the details are incorrect and asking him/her to re-enter those required fields.

iii. Sign-up with Alternatives:
Given a client/personal trainer who has an account that is on the sign-up page.
When he/she clicks onto the Google or Facebook button.
Then he/she will be redirected to the Google or Facebook sign-in page.

iv. Sign-up either as a Client or Trainer:
Given a client/personal trainer who has an account that is on the sign-up page.
When he/she ticks one of the boxes that indicate a client or a trainer (he/she can only tick one of the two boxes).
Then he/she will be given the associated account.

i. Profile Setup page -

Given a client/personal trainer who has an account.
When he/she logs into his/her account for the first time.
Then he/she will be prompted to key in keys information in order to set up his/her profile.

ii. Personal Trainer Profile Page -

1. Page redirection (PT):
Given a personal trainer on the personal trainer profile page of the website.
When the personal trainer clicks on:
   - any one of the links in the left-hand side dashboard that includes the home logo, the name that acts as a drop-down menu with logout as an option, **home profile page**, profile, clients, messages and calendar links.
   - one of the buttons in the small dashboard residing in the top left corner of the:

    - profile page
        - “edit profile” button is set as the default page.
        - “change password” button
        - “set availability” button
    - message page
        - the “inbox” button is set as the default page.
        - the “send message” button
- one of the links in the client management page
    - “profile picture” of the client in the display box.
    - the “message” logo residing in the top left corner of the client’s box.

Then they are redirected to that particular page.

2. Home Profile Page (PT):
Given a personal trainer on the personal trainer profile page of the website.
When he/she clicks onto the home button.
Then the personal trainer can have a view of the information page represented to clients.
3. Personal Details and Password Modification (PT):
Given a personal trainer on the personal trainer profile page of the website.
When he/she clicks onto any of the input fields in the “edit profile” page or “change password” page.
Then the personal trainer can key in new information and update it via the save button at the bottom of each page.
4. Set Availability (PT): (Changed in this sprint)
Given a personal trainer on the personal trainer profile page of the website.
When he/she clicks on the add or delete button.
Then the personal trainer can insert a new schedule to each of the relevant days’ box based on the selected week and they can also delete any of the selected schedule boxes.
5. Sign-out (PT):
Given a personal trainer on the personal trainer profile page of the website.
When he/she clicks on the sign-out button.
Then he/she can sign out and be redirected to the homepage.

iii. Client Profile Page - (Subject to changes because the design for the client UI has not been completed, however, it should be very similar to what the personal trainer sees and experiences except for the booking page)

1. Page redirection (Client):
Given a client on the client profile page of the website.
When the client clicks on:

a. any one of the links in the left-hand side dashboard that includes the home logo, the name that acts as a drop-down menu with logout as an option, **home profile page**, profile, booking, messages and calendar(optional) links.
b. one of the buttons in the small dashboard residing in the top left corner of the:
    - profile page
        - "edit profile" button is set as the default page.
        - "change password" button
        - "set availability" button
    - message page
        - the "inbox" button is set as the default page.
        - the "send message" button
    - booking page
        - the profile picture of the personal trainer
        - the message button

Then they are redirected to that particular page.

2. Home Profile Page (Client):
   Given a client that is on the client "**home profile page**" of the website.
   When they click onto the home button residing in the left dashboard
   Then the client can have a view of the information page represented to the personal trainers
3. 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.
4. Booking Page (Client):
   Given a client that is on the personal trainer booking page of the website.
   When he/she clicks onto the hire button
   Then a booking request will then be sent to the admin for approval before it was sent to the relevant personal trainer inbox messages.
5. Sign-out (Client):
   Given a client that is on the personal trainer profile page of the website.
   When he/she clicks on the sign-out button presented as a drop-down that resides in the name beneath the home logo in the top left corner of the dashboard.
   Then he/she can sign out and be redirected to the homepage.

a. The sign-in and login technical aspects of acceptance testing which are listed in snapshot 1.1 should still be valued. In short words:
   i. **Personal Trainer Edit Profile/Change Password/Set Availability -**
      1. Given any of the input fields in one of these pages, if incorrect formats or characters were used then there should be error messages prompting the personal trainer on the correct format and the allowable characters so he/she would key in the valid inputs.

b. The authentication for the user should be tested and made sure it works correctly.
   i. **Given developer want to test the authentication -**
      1. As users sign-up, or sign in, the server would send a token to the client which is generated by JSON Web token. A token is encoded from a data payload using a secret. So, after users' login or signup, clients would send that token along with a request, the server validates it and sends back the response.

4. Summary of Changes

Since the last snapshot, as for the front-end work, we changed and implemented some user interfaces for the personal trainer, such as the webpages for profile edition, for changing the password and for availability setting. Accordingly, we implemented the corresponding functionalities for the personal trainer on each webpage. And we modified the name of the button for logging out to be "Log out" and permitted it to appear only if the personal trainer clicks on the user name on the top of the left-hand side dashboard. We updated the design reviews and definition of done regarding this change relatively. In terms of the design, we started to design the user interface for the client, such as the client profile page, the home client profile page, the booking page as well as the message page. Also, we modified the functionality of the "Home" button on the personal trainer profile page to redirect the user to the homepage of the profile, which contains the preview of personal information and some details such as availability and ratings. The reason to modify is for when the client searches for personal trainers, this page of the personal trainer's information will be provided to the client. Accordingly, we updated the corresponding user stories, the definition of done and acceptance testing parts.

Snapshot 2.2 Week <WEEK-6> of Group PFTC7REMOTE

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1. Product Backlog and Task Board

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

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

21 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):
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   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

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So that I can show my skill sets to clients

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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 on the personal trainer profile page of the website
   When: they click on the add or delete button
   Then: the personal trainer can insert a new schedule to each of the relevant days' box based on the selected week and they can also delete any of the selected schedule boxes.

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

Added by a1751699

3. 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.

Added by a1751699

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

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 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

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

Acceptance Criteria:

1. Hiring a personal trainer:
   Given: a client is on the search results page
   When: he/she clicks onto the hire button
   Then: he/she will be directed to an application form and upon completion and submission, a booking request will then be sent to the inbox of the relevant personal trainer

2.Searching (Client):
Given: a client that is on the booking page/search results page/manage session page of the website.
(Booking Page) -
When: he/she searches for a particular personal trainer, ratings, pricing or muscle groups in the search bar
Then: he/she will be directed to the search result page containing the corresponding information

Added by a1730614

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

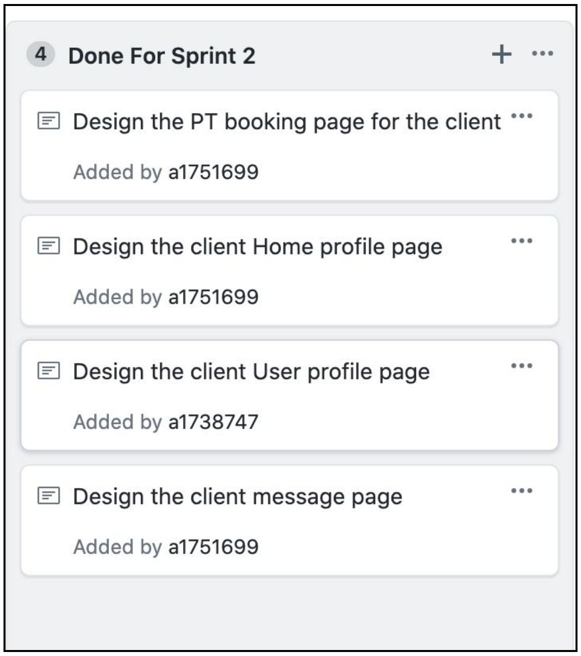
As an Admin, I wanna edit timetable for each PT so that both User and PT can better plan their time

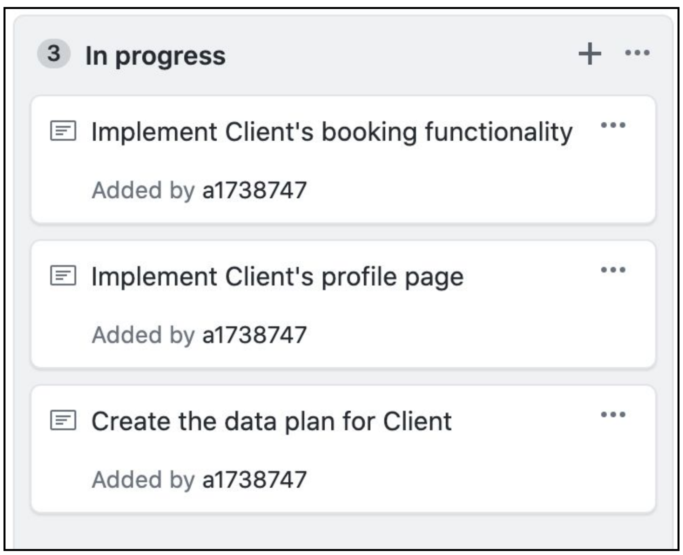
Added by a1753701

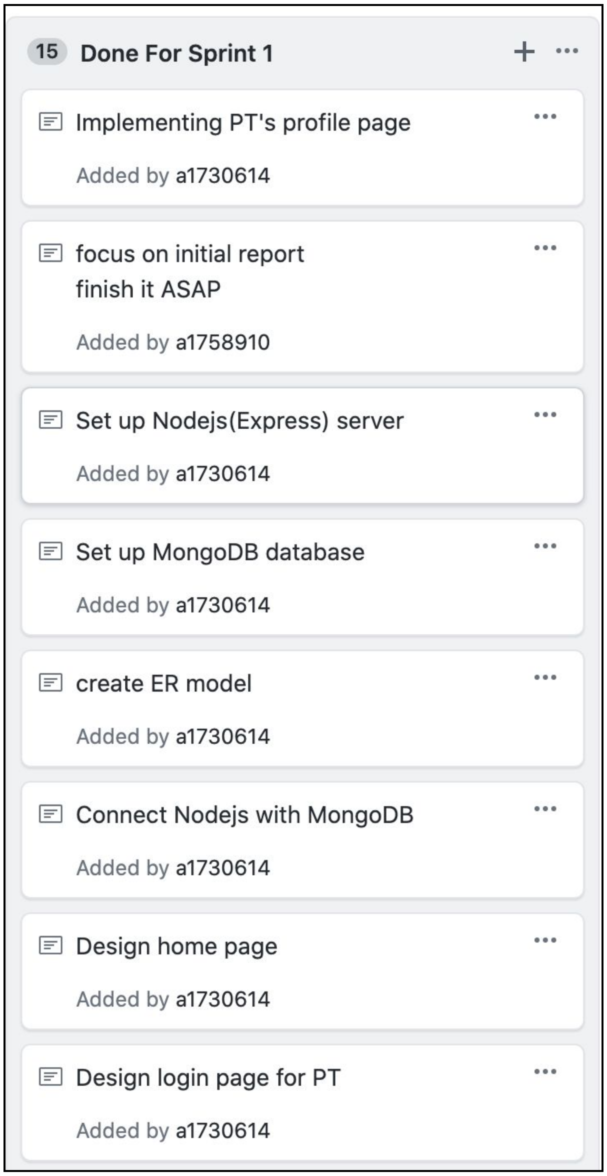
Word Version gives more clarity to the entire product backlog:

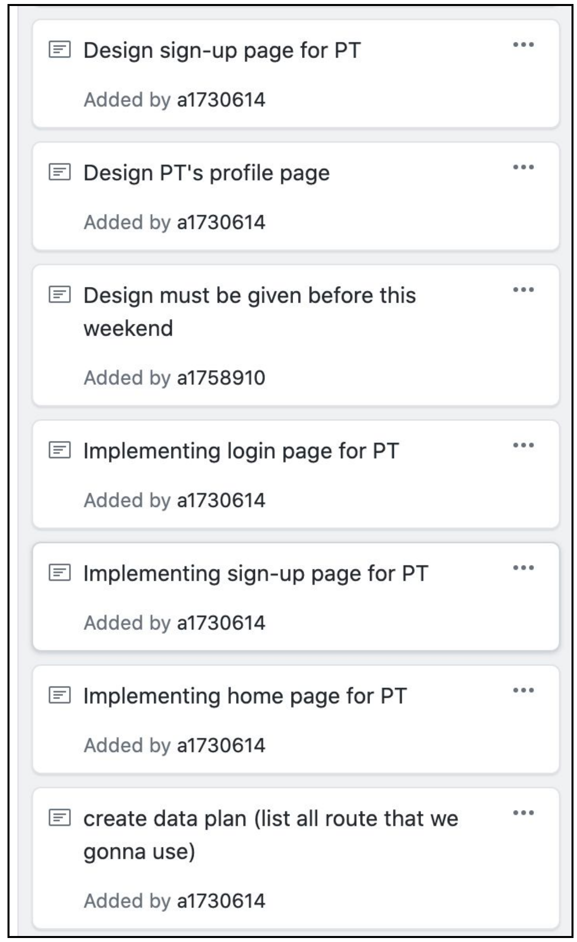
ID	As a...	I want to be able to...	So that...	Priority	Sprint	Status
1	Personal Trainer	I want to be able to register and login into the PTFC system by creating a PT profile	I can advertise my services to a broader audience	Must	1	Done
2	Personal Trainer	create a profile	I can show my skill sets to clients	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		To be Started
6	Personal Trainer	have a client management page	I can manage my clients	Must		To be Started
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	In progress
9	Client	chat with potential PTs	I can communicate with them	Must		To be Started
10	Client	create a profile	I can see my progress and personal information	Must	2	In progress
11	Client	see a list of PT	I can book a session with that PT	Must	2	In progress
12	Administrator	see all incoming PT registration requests	I can approve or reject them	Should		To be Started
13	Administrator	see all relationship between users and personal trainers	I can edit them	Should		To be Started
14	Administrator	have a dashboard	I can manage all PTs and clients	Must		To be Started
15	Administrator	see all registered users (PTs and Clients)	I can suspend or activate them	Should		To be Started
16	Administrator	see popularity of each personal trainer (Show a sequential list)	I can rank them	Should		To be Started
17	Administrator	edit timetable for each PT	both User and PT can better plan their time	Should		To be Started

Taskboard (From GitHub)


4
Done For Sprint 2
Design the PT booking page for the client
Added by a1751699
Design the client Home profile page
Added by a1751699
Design the client User profile page
Added by a1738747
Design the client message page
Added by a1751699


3
In progress
Implement Client's booking functionality
Added by a1738747
Implement Client's profile page
Added by a1738747
Create the data plan for Client
Added by a1738747





Word Version of the task board:

To Do	Doing	Done
	• Implement Client's booking functionality • Implement Client's profile page • Create the data plan for Client	• 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
		• 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

2. Sprint Backlog and User Stories

Sprint backlog (From GitHub):

Sprint 2 Backlog

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 create a profile
So that I can see my progress and personal information

Acceptance Criteria

1.Page redirection (Client):
Given: a client that is logged into his/her account on the Website
When: the client clicks on:
any one of the links in the navigation bar that includes the home logo, the profile symbol that acts as a drop-down menu with logout as an option, home profile page, profile, booking, messages, calendar(optional) and support links.
one of the buttons in the small dashboard residing in the top left corner of the:
profile page
a)"edit profile" button is set as the default page.
b)"change password" button
Then: they are redirected to that particular page.

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. Hiring a personal trainer:
   Given: a client is on the search results page
   When: he/she clicks onto the hire button
   Then: he/she will be directed to an application form and upon completion and submission, a booking request will then be sent to the inbox of the relevant personal trainer

2.Searching (Client):
Given: a client that is on the booking page/search results page/manage session page of the website.
(Booking Page) -
When: he/she searches for a particular personal trainer, ratings, pricing or muscle groups in the search bar
Then: he/she will be directed to the search result page containing the corresponding information

Added by a1751699

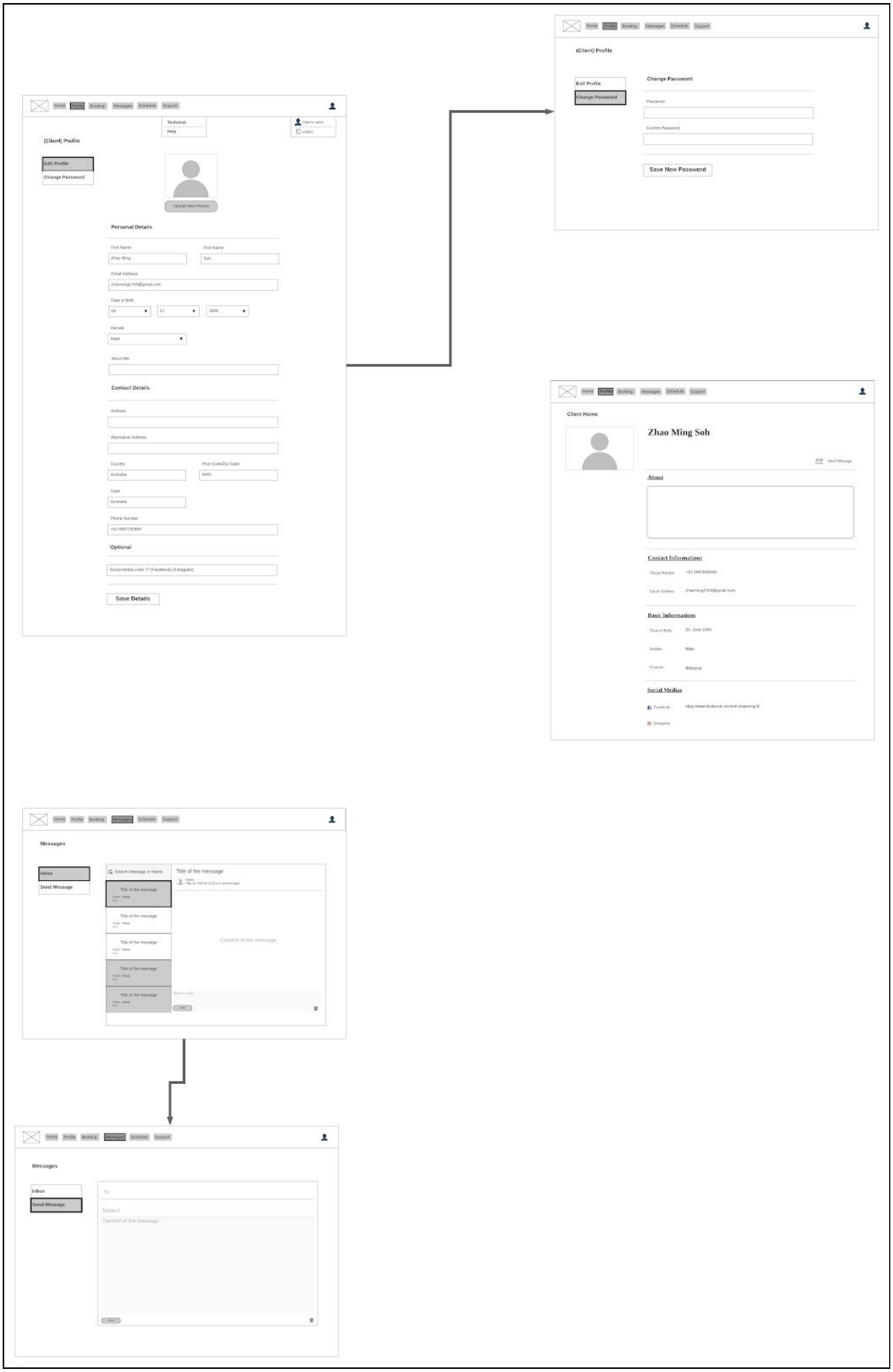
User Stories and Related Tasks Selected for the Current Sprint:

User Stories	Related task
1. As a client, I want to register or login into the PTFC system, so that I can utilise this website further on. Also, I can sign out as I want.	1. Implement frontend UI for Client registration. 2. Implement frontend UI for Client login. 3. Implement backend services to store Client information for sign-up, sign-in and sign-out.
2. As a client, I want to create a profile, so that I can see my progress, bookings and personal information.	1. Implement frontend UI for Client profile. 2. Implement backend services to store Client profile

	data.
3. As a client, I want to edit my profile, so that I can update or correct my profile information.	1. Implement frontend UI of Client profile for Client personal information. 2. Implement backend services for Client to update Client profile data.
4. As a client, I want to see a list of personal trainers after searching, so that I can book sessions with personal trainers.	1. Implement frontend UI for displaying results after searching. 2. Implement the searching functionality. 3. Implement backend services to collect results for searching and provide results to frontend UI.
5. As a client, I want to make bookings with personal trainers, so that I can reach my fitness goals with personal trainers.	1. Implement frontend UI for booking. 2. Implement the booking functionality. 3. Implement backend services to store bookings and provide bookings to relative PT.

3. Definition of Done

1. Design reviews -
   a. It has to be minimalistic and conform to all of the user stories provided in each of the Sprint.



(Client) Profile
Edit Profile
Change Password
Save New Password
[Client] Profile
Upload New Picture
Personal Details
Contact Details
Optional
Save Details
Client Home
Zhao Ming Soh
About
Contact Informations
Basic Informations
Social Medias
Messages
Inbox
Send Message
Title of the message
Content of the message

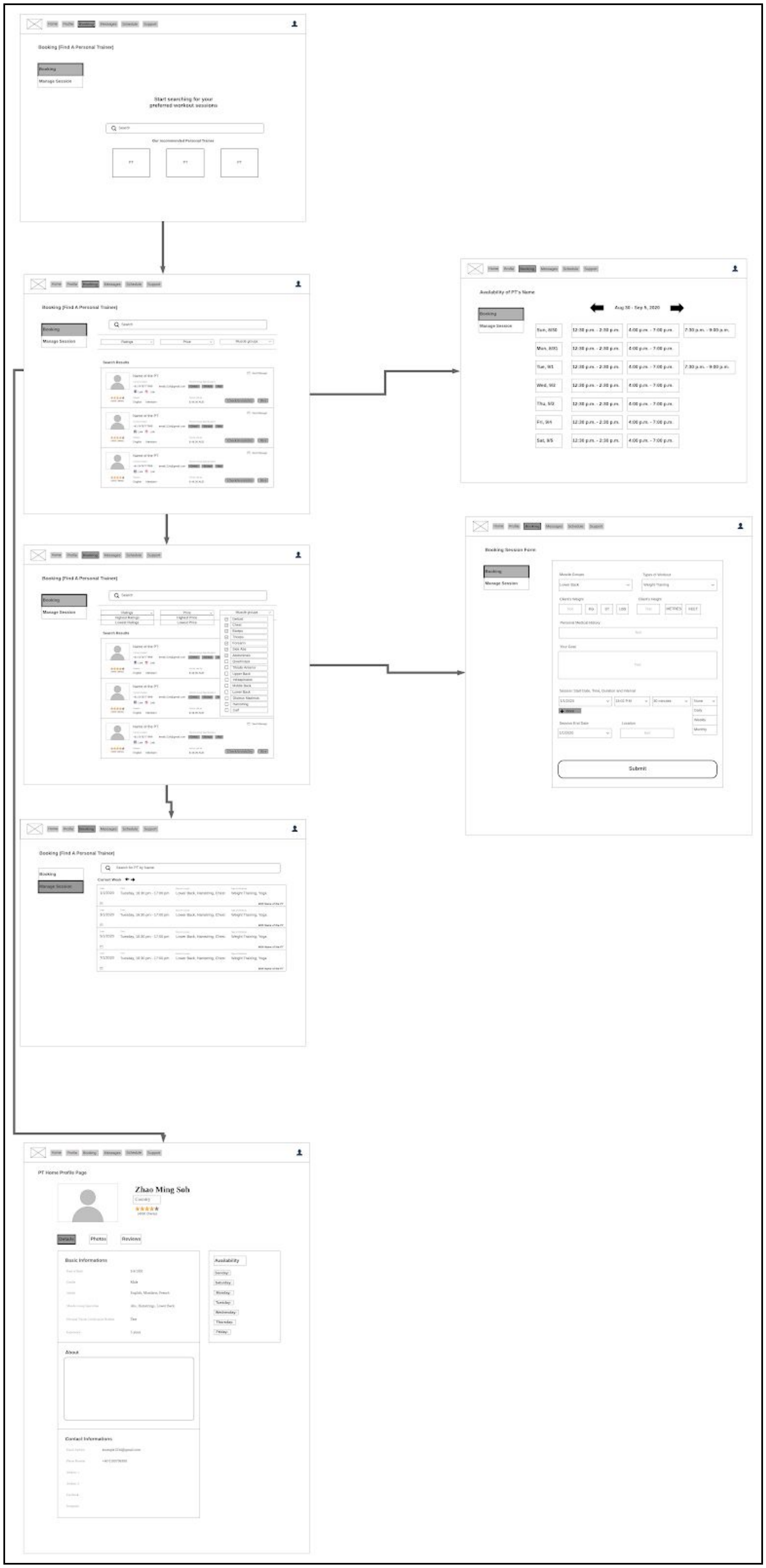
Client Profile Page, HomePage, Messaging Page

i. The Sign-up and Login Pages should have the following things : (Client)
   1. **Sign-up page** - (Exactly the same as what a personal trainer will see)
      a. Input format that has a username field, an email field and password field.
      b. A sign-up button to send a sign-up request and submit the data to the database.
      c. A Google button that works as an alternative sign-up method.
      d. A home button to redirect a client/personal trainer back to the homepage.
      e. A login button to redirect a client/personal trainer to the login page.
      f. A close button to cancel the sign-up and redirect the client/personal trainer to the previous page.
      g. A horizontal select box for a client or personal trainer account.
      h. A terms and conditions notification.
   2. **Login page** - (Exactly the same as what a personal trainer will see)
      a. An email address/username and a password input field.
      b. A "remember me" select box. (Optional)
      c. A login button that will direct the input fields data to the backend for verification.
      d. A close button to cancel the login and redirect the client/personal trainer to the previous page.
      e. A Google button that works as an alternative.
      f. Forget Password and Sign-up now links. (Optional)

ii. **The profile setup page** (For new Client) - **(Same as what a new personal trainer will see but do not contain personal trainer related input fields)**
   1. Standard Personal Details input fields
   2. Standard Contact Details input fields

iii. **Client profile page** - It should have the following things or functionalities:
   1. The Navigation bar -
      a. A home logo that can redirect the client back to the profile home page.
      b. A profile symbol that acts as the actuator for the dropdown menu that contains the logout option.
      c. A series of buttons that can redirect the client to the home page, the profile page, the booking page, the messages page, the schedule page (Optional), the support page.
   2. The home profile page -
      a. A photo uploaded by the client.
      b. A preview of personal details.
   3. Edit Profile Page -

    a. Personal details and Contact details input field that can be changed upon clicking onto it. The input fields should display previous details.
    b. A “save details” button that will send all the updated fields data into the database.
4. Change Password page -
    a. Change password input fields.
    b. A “save new password” button that will send the newly set password into the database.


Booking (Find A Personal Trainer)
Booking
Manage Session
Start searching for your preferred workout sessions
Search Results
Availability of PT's Name
Aug 30 - Sep 5, 2020
Booking Session Form
Submit
PT Home Profile Page
Zhao Ming Soh
Details
Photos
Reviews
Basic Informations
Availability
About
Contact Informations

Booking Page(Search result, filter search result, PT availability, Booking form and PT homepage)

v. **Booking page** - It should have the following things and functionalities:

a. A small dashboard on the left-hand side of the page that contains the Booking and Manages Booking buttons for redirection.

b. **(Whenever one is redirected to the booking page - Default Page)** - One would see a search bar for searching personal trainer, ratings, price and muscle groups.

c. **(Once a search has been made)** - One would be directed to a page showing the search results. In this page, one would be given a series of personal trainers with their relevant information such as their names, contact details, spoken languages, pricing and muscle group specializations. A search bar and three dropdown filters that consist of ratings, price and muscle groups.

d. Check availability and a hire button on the bottom right corner of each successive personal trainer box.

e. **(In the check availability page)** - Show the weekly availability of the selected personal trainer.

f. (**In the booking session form page)** - An application form that has the "muscle groups" input field, "types of workout" select field, "client's weight" and "client's height" input fields, "personal medical history" textbox, "Your Goal" textbox, "Session Start Date, Time, Duration and Interval" select fields (Extendable), "Session End Date" select field and "Location" input field and a submit button.

g. **(In the Manage Session Page) -** Shows the client's weekly booking session in a series of boxes. The boxes contain information such as the date, the time, the muscle groups, the type of workouts and the name of the pt that correspond to that session.

2. Coding -

a. In this sprint, the definition of done of coding has to conform to our agreed 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.

v. When using react, a component is a reusable object of a website. For example, a card showing the personal trainer when searching for personal trainers in the website is a component. This can be copied again throughout the whole page to create additional rows of cards. Furthermore, this may be used in other parts of the websites, for example, in the list of all members in a workout team. In our website, we created components like these like the login form, personal trainer results and client list.

vi. We didn't make it a habit to insert inline styles in html because this has a bad effect when the time comes to wrap the html in react.

vii. In making the html, we had utilized the responsiveness of bootstrap for html. In using flex, we separated this into columns with proper sizes and becomes a full row when the page shrinks.

viii. In making the database, we didn't store the images itselves in the database to save space. Instead, we used an online photo storage and inserted the small links it has into the database.

3. Acceptance Testing -
   a. The webpage functions and features must work as stated in the acceptance criteria for each of the user stories.
      i. Login page -
         1. <u>Page Redirection:</u>
            Given a client/personal trainer on the login page of the website.
            When he/she clicks on the home logo, sign up button or links (forgot password and sign-up now links). (Optional)
            Then he/she will be directed to the appropriate page.
         2. <u>Login Validation (Success and Failure):</u>
            Given a client/personal trainer who has an account is on the login page of the website.
            When he/she clicks onto the login button upon entering the correct email and password or he/she enters the incorrect email and password.
            Then he/she is notified by a message "success" and redirected to their associated profile in the case of correctly entering the required details if not he/she will be prompted with an "error message" asking him/her to either re-enters his/her details or sign-up a new account.
         3. <u>Login with Alternatives:</u>
            Given a client/personal trainer who has an account that is signed-up using Google or Facebook is on the login page of the website.
            When he/she clicks the Google or Facebook button.

Then he/she will be redirected to the Google or Facebook login page.

ii. Sign-up Page -

1. Page Redirection:
   Given a client/personal trainer is on the sign-up page of the website.
   When he/she clicks on the home logo, login button, login link or the terms and condition link.
   Then he/she will be directed to the appropriate page.
2. Sign-up Validation (Success and Failure):
   Given a client/personal trainer is on the sign-up page of the website.
   When he/she clicks onto the Sign-up button upon entering all the required fields correctly or he/she enters the incorrect details.
   Then he/she will be redirected to the homepage in the case of a successful sign-up, if not then he/she will be prompted with an "error" message indicating either that the entered details have already been taken or the details are incorrect and asking him/her to re-enter those required fields.
3. Sign-up with Alternatives:
   Given a client/personal trainer who has an account that is on the sign-up page.
   When he/she clicks onto the Google or Facebook button.
   Then he/she will be redirected to the Google or Facebook sign-in page.
4. Sign-up either as a Client or Trainer:
   Given a client/personal trainer who has an account that is on the sign-up page.
   When he/she ticks one of the boxes that indicate a client or a trainer (he/she can only tick one of the two boxes).
   Then he/she will be given the associated account.

iii. Profile Setup page -

Given a client/personal trainer who has an account.
When he/she logs into his/her account for the first time.
Then he/she will be prompted to key in keys information in order to set up his/her profile.

iv. Client Profile Page -

1. Page redirection (Client):
   Given a client that is logged into his/her account on the Website
   When the client clicks on:
   a. any one of the links in the navigation bar that includes the home logo, the profile symbol that acts as a drop-down menu with logout as an option,

home profile page, profile, booking, messages, calendar(optional) and support links.

b. one of the buttons in the small dashboard residing in the top left corner of the:
   - profile page
     - "edit profile" button is set as the default page.
     - "change password" button
   - message page
     - the "inbox" button is set as the default page.
     - the "send message" button
   - booking page
     - The "booking" button
     - The "Manage Session" button

c. Search results page
   - The profile picture of the PT
   - The "Check Availability" button
   - The "Hire" button

Then they are redirected to that particular page.

2. <u>Home Profile Page (Client):</u>
   Given a client that is on the client "**home profile page**" of the website.
   When they click onto the home button residing in the left dashboard
   Then the client can have a view of the information page represented to the personal trainers
3. <u>Personal Details and Password Modification (Client):</u>
   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.
4. <u>Searching (Client):</u>
   Given a client that is on the booking page/search results page/manage session page of the website.
   (Booking Page) -
   When he/she searches for a particular personal trainer, ratings, pricing or muscle groups in the search bar
   Then he/she will be directed to the search result page containing the corresponding information
   (Search Results Page) -

When he/she searches for a particular personal trainer, ratings, pricing or muscle groups in the search bar
Then he/she will be given a list of personal trainers that correspond to the searched information
(Manage Session Page) -
When he/she searches for a particular booked session via date, time, the muscle groups or the type of workouts
Then he/she will be given a list of the booked session that corresponds to the searched result.

5. Hiring a personal trainer:
Given a client is on the search results page
When he/she clicks onto the hire button
Then he/she will be directed to an application form and upon completion and submission, a booking request will then be sent to the inbox of the relevant personal trainer
6. Filtering Search Results:
Given a client is on the search results page
When he/she clicks onto the ratings, pricing or the muscle groups dropdown menu and selects any one of the options
Then he/she will be given a list of personal trainers that correspond to the filter options (This happens every time an option is selected)
7. Viewing the availability/personal details of the Personal Trainer:
Given a client is on the search results page
When he/she clicks onto the check availability button/the profile picture of the PT
Then he/she will be given a page containing the overview of the personal trainer's weekly schedule/personal details.
8. Client's Session Management :
Given a client is on the manage session page
Then he/she will be given a page containing the overview of the Client's booked sessions.
9. Messaging(Bookings/Communications):
(Bookings) -
Given a client is on the messaging page
When a client submits a booking request form
Then he/she will be directed to the messaging page more specifically the inbox to that particular personal trainer will be shown
(Communications) -
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.

10. <u>Sign-out (Client)</u>:
Given a client that is on the personal trainer profile page of the website.
When he/she clicks on the sign-out button presented as a drop-down that resides in the name beneath the home logo in the top left corner of the dashboard.
Then he/she can sign out and be redirected to the homepage.

b. The sign-in and login technical aspects of acceptance testing which are listed in last snapshots should still be valued. In short words:

   i. Client Edit Profile/Change Password -

   1. Given any of the input fields in one of these pages, if incorrect formats or characters were used then there should be error messages prompting the personal trainer on the correct format and the allowable characters so he/she would key in the valid inputs.

c. The authentication for the user should be tested and made sure it works correctly.

   i. Given developer want to test the authentication -

   2. As users sign-up, or sign in, the server would send a token to the client which is generated by JSON Web token. A token is encoded from a data payload using a secret. So, after users’ login or signup, clients would send that token along with a request, the server validates it and sends back the response.

4. Summary of Changes

Since the last snapshot, as for the front-end work, we improved the way to upload user photos on the profile page to be clicking on the photo rather than clicking on an input bar so that it is easier and more straightforward for users to upload a photo. Also, we implemented the login and logout functionality for clients, the performance of the user login and logout by using Google and the functionality for the user authentication. As for the back-end work, we changed to use S3 AWS Cloud instead of using MongoDB to store photos uploaded by users. After uploading the images into S3, we get the URL from S3 and save it to the MongoDB database. It would be more convenient and faster for data storage and data extraction. In terms of the design, we designed the page after searching information and the user interface for the client, such as the client profile page, the home page of the client profile page, the booking page as well as the message page. Accordingly, we started to build relative HTML pages depending on these designs. Also, we updated our backlogs, some user stories by adding corresponding acceptance criteria, the definition of done and acceptance testing parts. And we started to implement the function for clients to make bookings.

- ## Declaration of attendance at the sprint meeting sprint retrospective planning meeting :
    - I attended the sprint review/planning meeting on the 11th of September at 3:00 p.m. to 3:25 p.m. (Australia time) with the tutor.

What went well in the sprint (Individual)?

In my opinion, the commitments that we agreed to improve on from the last sprint were evident for this sprint. For instance, the workload distributions that we thought were unbalanced were reconciled and redistributed among the team members. This was done through dividing up the tasks that have yet to be done in the current sprint or tasks that were not manageable for some members to the members that had the less confined amount of works in such a way that it improves not only our efficiency but also ensuring that each and every member is involved in the process.

Another aspect that went well is definitely the usage of GitHub, everyone has at least committed once to the remote GitHub repository showing that everyone including me has finally grasped onto the practical aspect of GitHub. And to me, I finally understood why GitHub is such a feasible tool as it clearly helps in organising a big project like this.

Additionally, the team members that are far more knowledgeable and proficient in using some of the techs are always lending out a helping hand to other members which greatly speeds up the entire agile process.

What could be improved (Individual)?

In my opinion, communication is still a major issue in our group. For instance, there is a clear disconnection between our front-end and back-end teams. To be precise, the front-end teams almost always have to redesign the web pages such as removing or adding features due to incompatibilities with the back-end implementations and vice versa. This clearly impedes the efficiency of our project which as a result reduces our teams' productivities. The root of the problem lies in the way we communicated new ideas and information to one another, as in the design phase, I was almost always given a vague description of what the web pages should look like or function as. There is obviously a conflict of interests in what one thinks maybe the best may not be in the eyes of another person. The simple solution to this would be to layout every new idea on a sheet paper and let everyone votes on what would be the most feasible in this project.

Another issue is the fact that there are a huge amount of foreign techs unbeknownst to the inexperience members led to a huge of waste of time in just learning the basics which again leads to inefficiency. The solution to this would be to limit the pool of techs as small as possible so that inexperience such as me can actually be useful in the building the project.

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

The first thing that we as a team are committed to improving is the use of the library instead of hard coding repetitively for the same features such as a list of dropdown items as it may deprecate other pages that it connects to. This also ties into the refactoring of code such as breaking down a large and complex feature's code into easily maintainable chunks for reusability and maintainability.

In the project management perspective, we as a team decided to add another layer documentation that concentrates on the risk and time assessment of each of the functionalities that are considered in the user interface of our website. The risk assessment here is about the collective evaluation on the types of risk that our project may or may not face in the development process and the actions that may or may not be employed to deal with the identified risks. Basically, it is about identifying the kind of problems can setback our project and the response that needs to be undertaken to tackle it. The time assessment is about identifying whether a features can or cannot be done in a specified time constraint. In a way, the time assessment can help us in speeding up and trimming down the complexity of any features that are intended to be implemented.