

# Integrated Project 3

## Group 11

# What's the problem?

- Personal Trainers using too many applications.
- PTs communities confined to WhatsApp groups.
- No adequate application for creating client workout plan.



# Solution

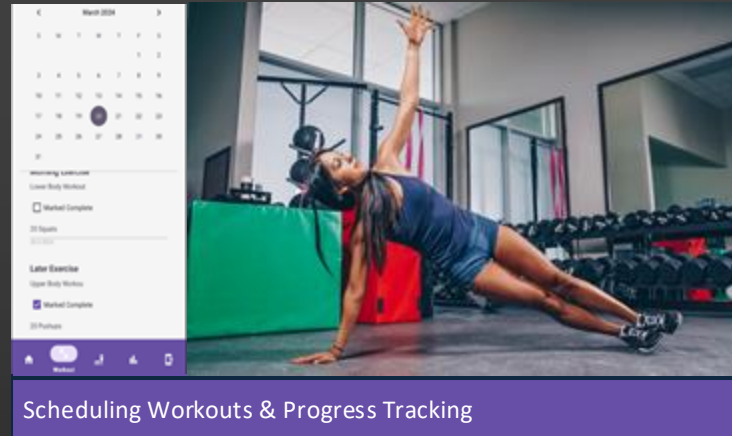
- All-in-one application for personal trainers and clients.

## PTs:

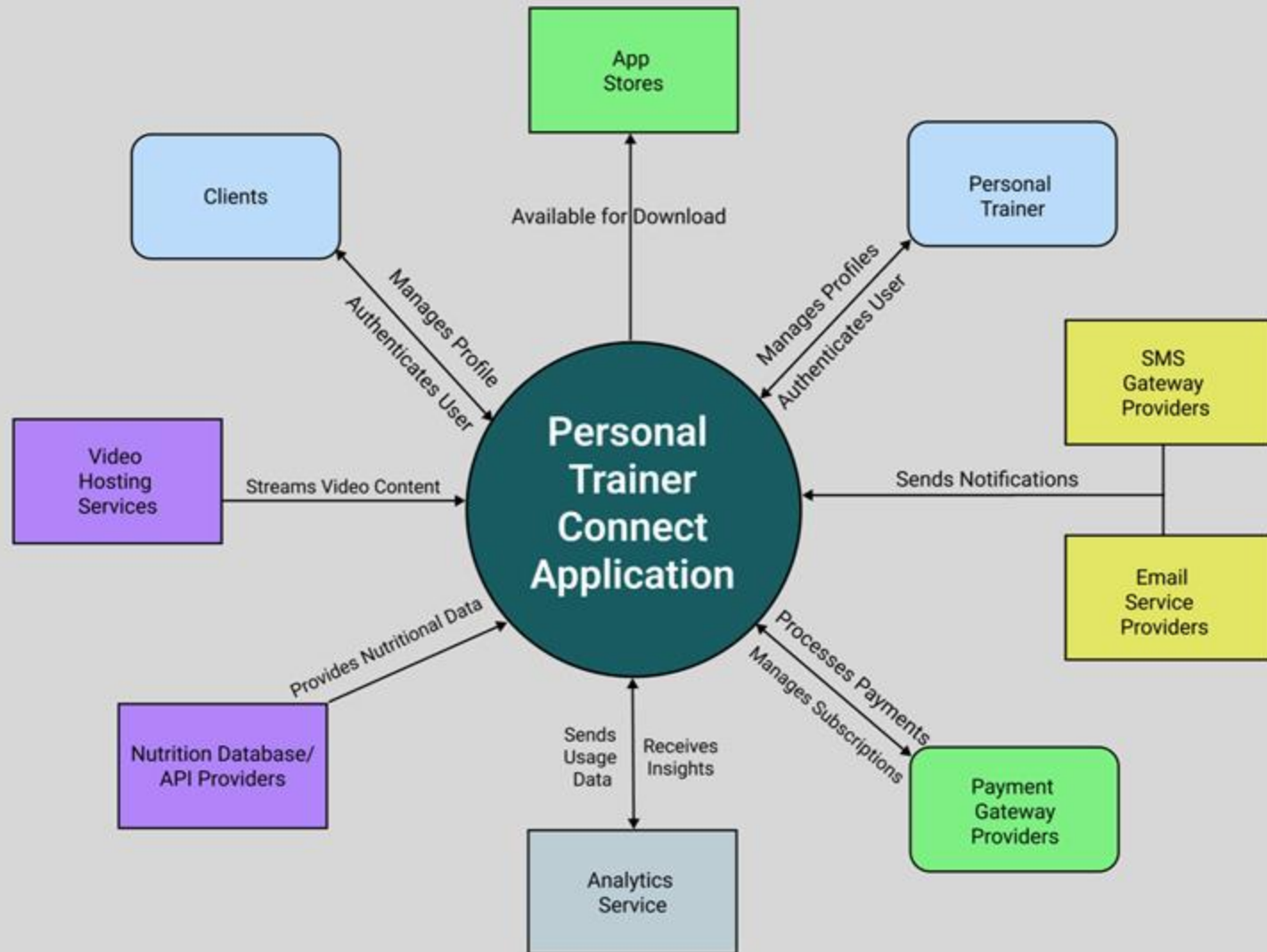
- Send client workout plan
- Contact clients & track goals

## Clients:

- Track and insert weights & goals
- Share with community page.



# Context Diagram

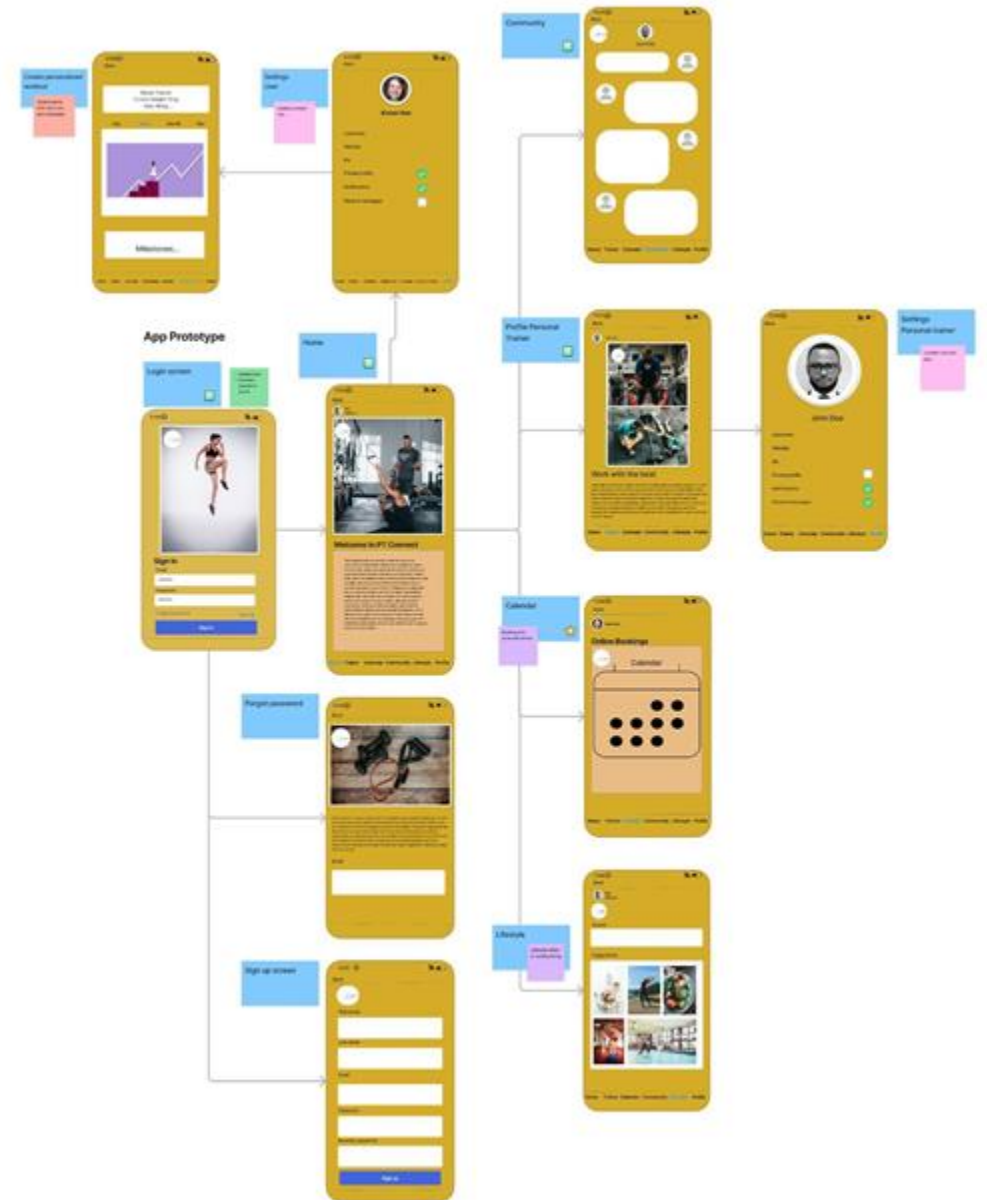




PT Connect

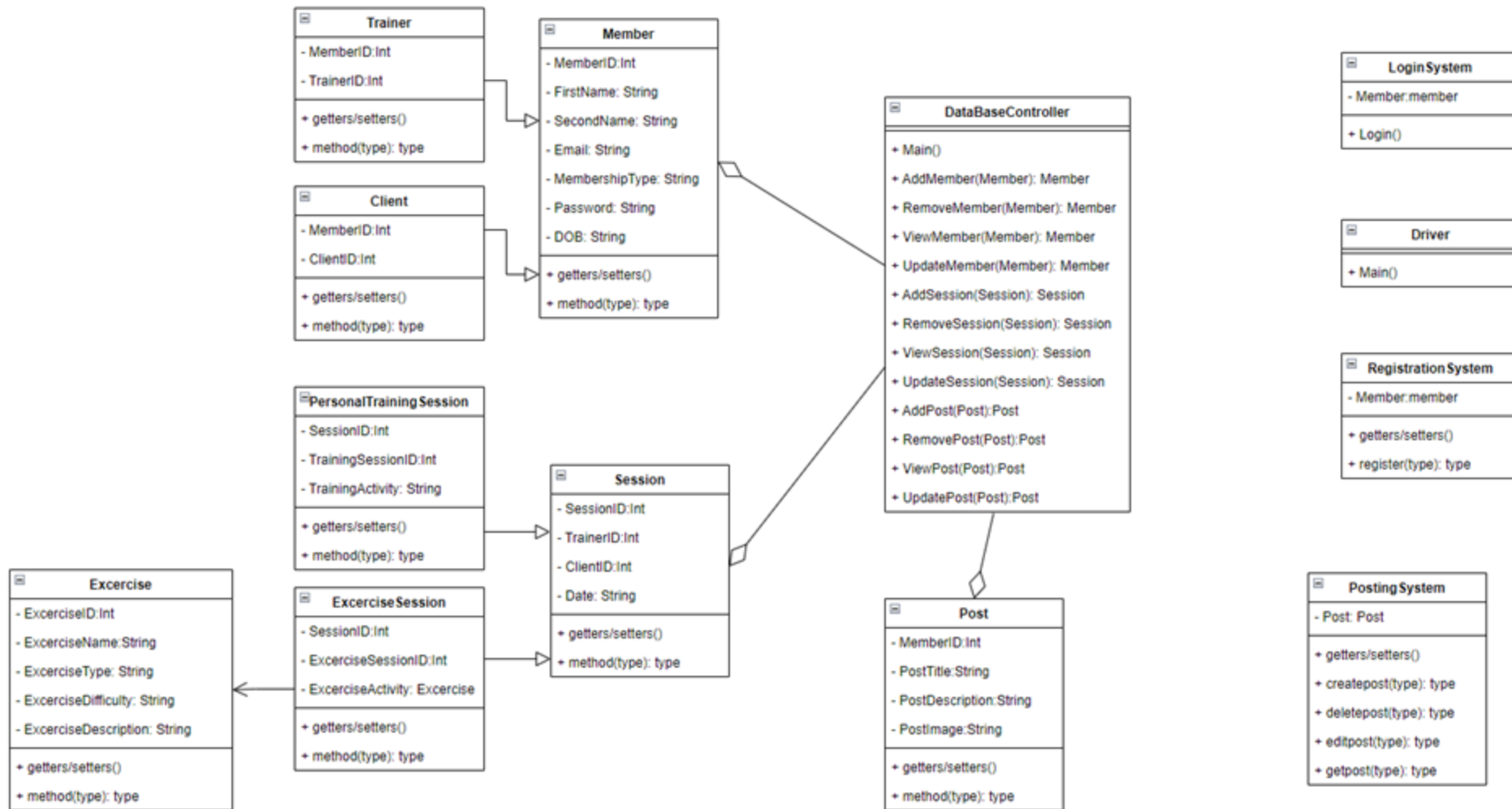


PT Connect

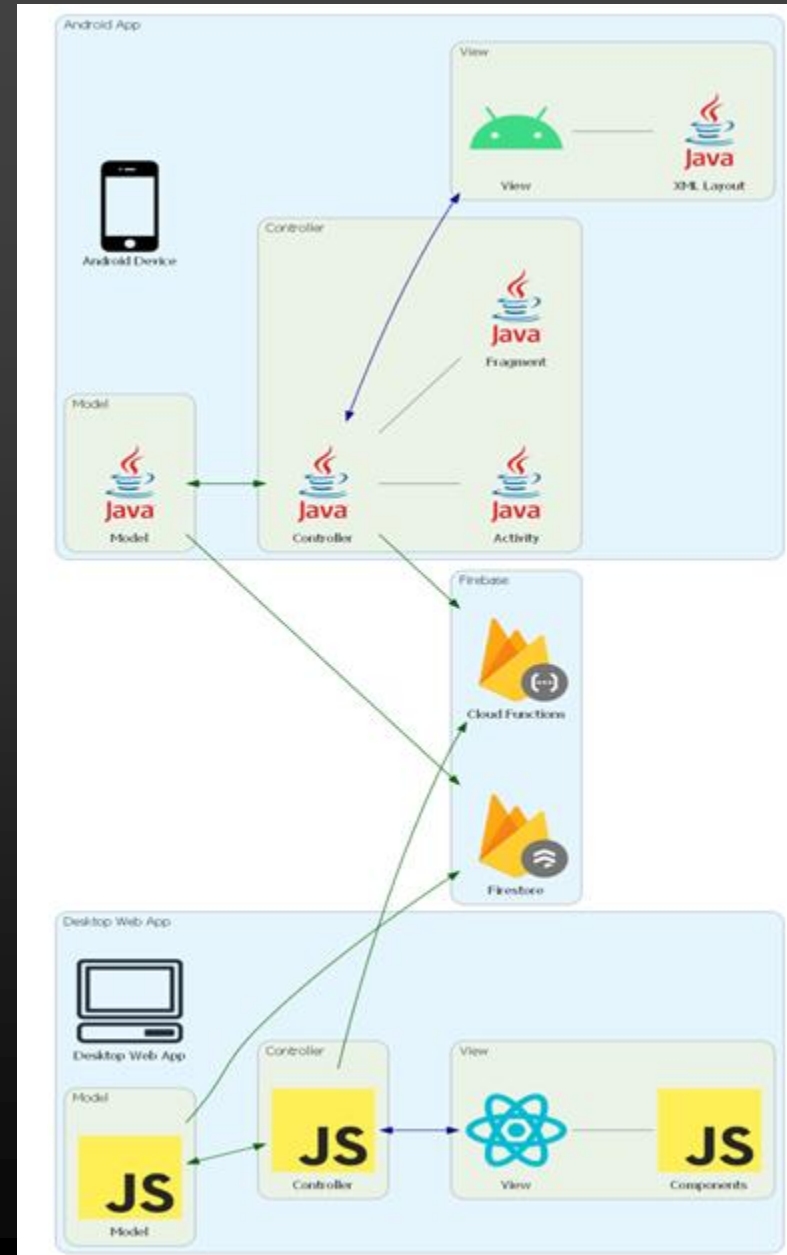
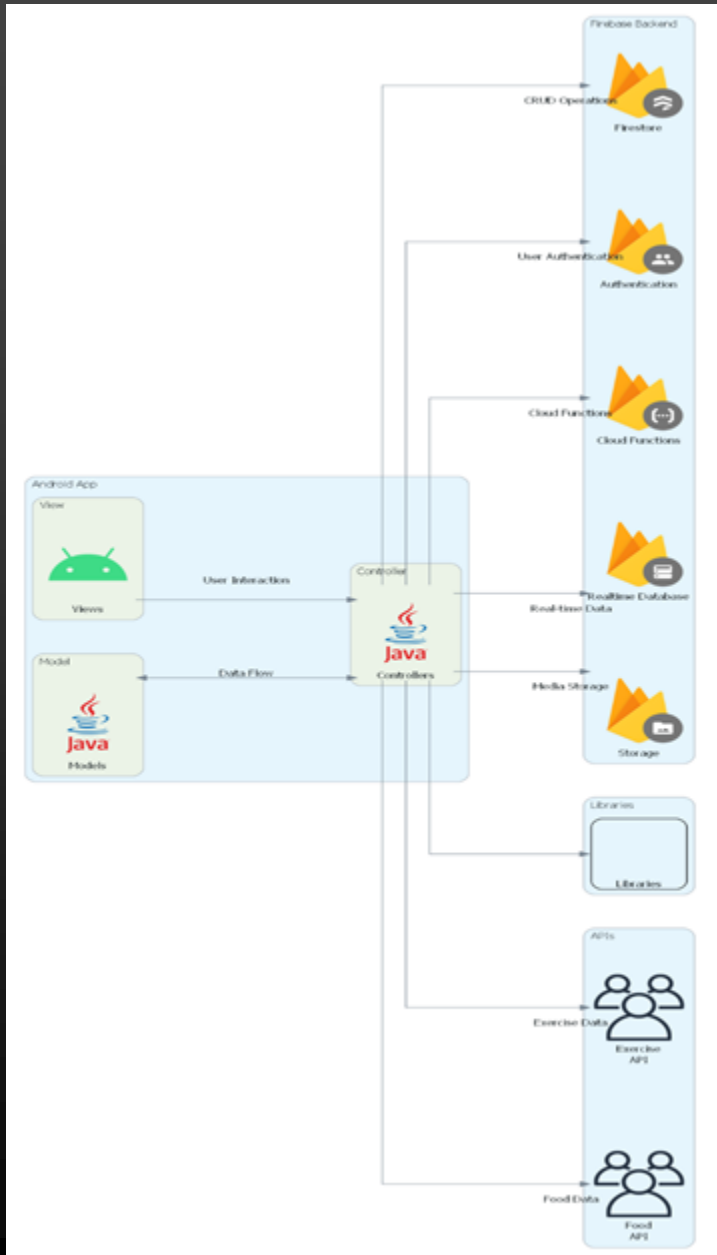


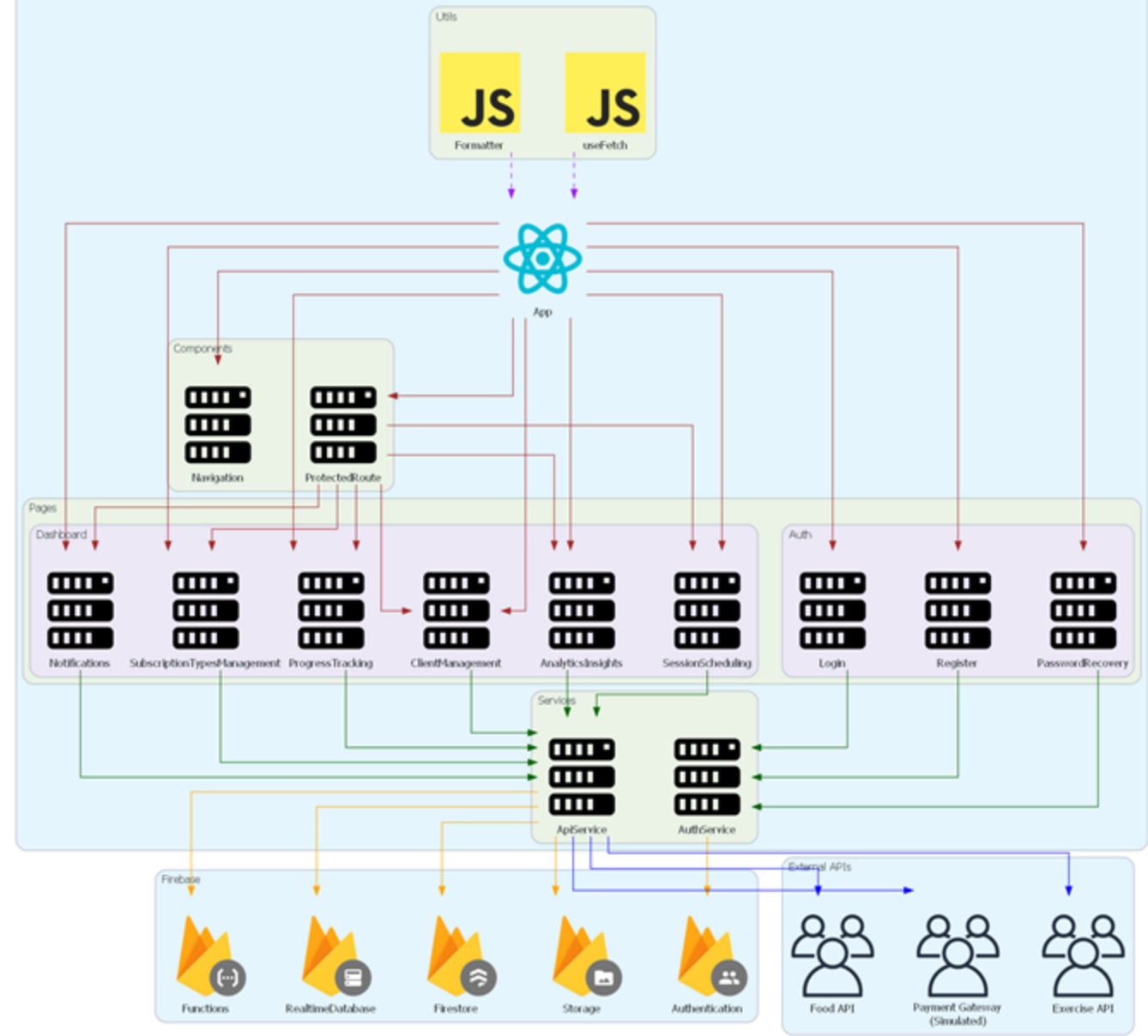


# Initial Class Diagram



# Architectural Diagrams (MVC)







# Key Technologies Employed

- Talking points
- Database
- IDE's
- Languages
- Version Control
- Libraries
- Frameworks



React JS

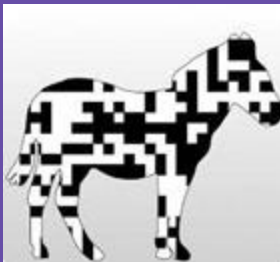


POSTMAN

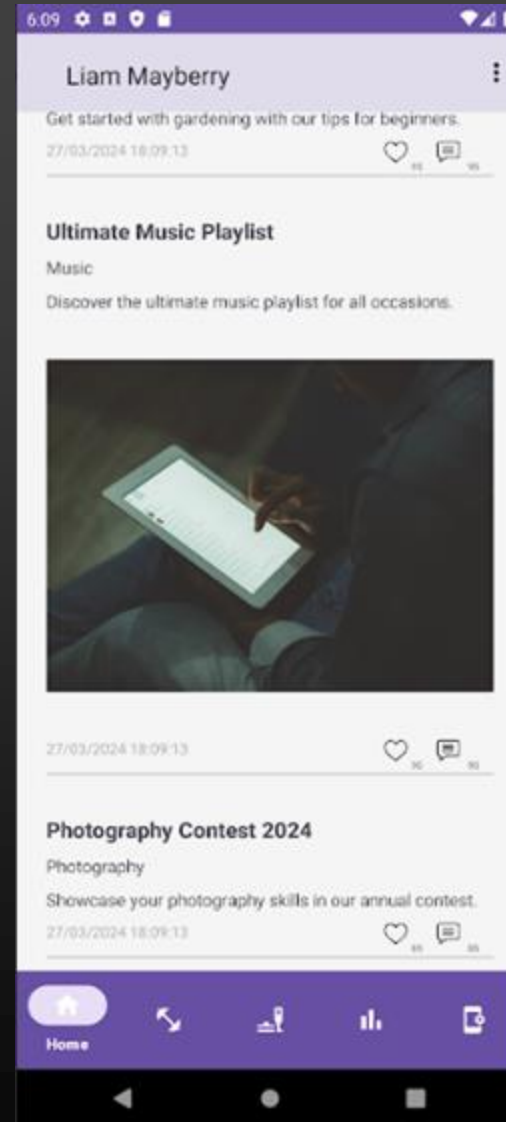
JS



Rapid API




# Front-End Design Evolution: First draft Proposed Vs.Final Design



# Sign in, Registration and Initial page

5:08



**Sign In**

Email

exampleEmail@email.com

Password

password

[Forgot password](#)

[Sign in](#)

[Sign Up](#)

5:07

**Register**

First Name

ExampleFirstName

Last Name

ExampleLastName

Email

exampleEmail@email.com

Password

examplepassword

Confirm Password


examplepassword

[Sign Up](#)

register as a trainer

5:06


**PT**



**PT Connect**

If you dream it, you have it

**Access to Professional Trainers**



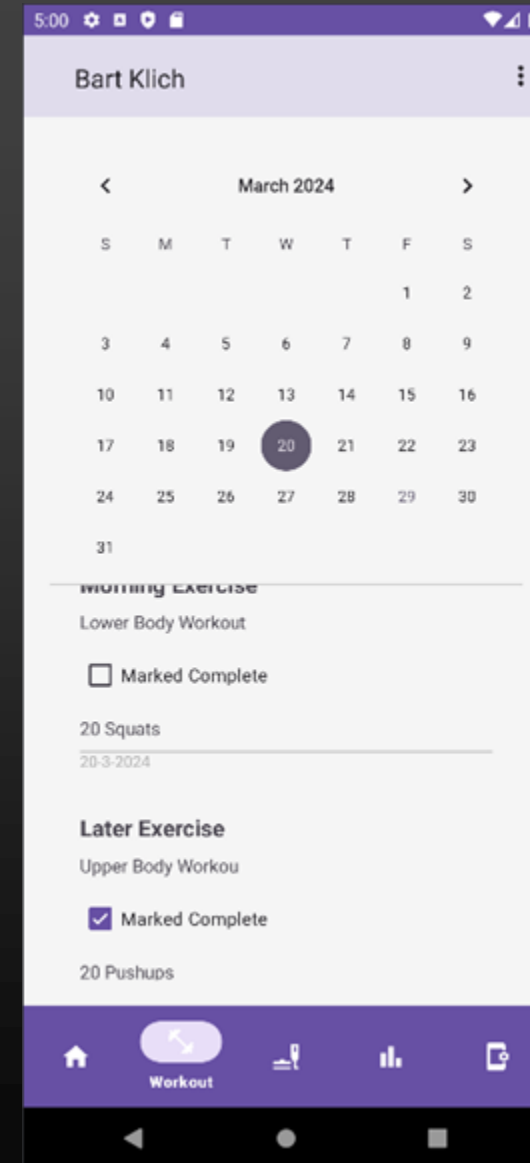
[Create your Account](#)

Already have an account?

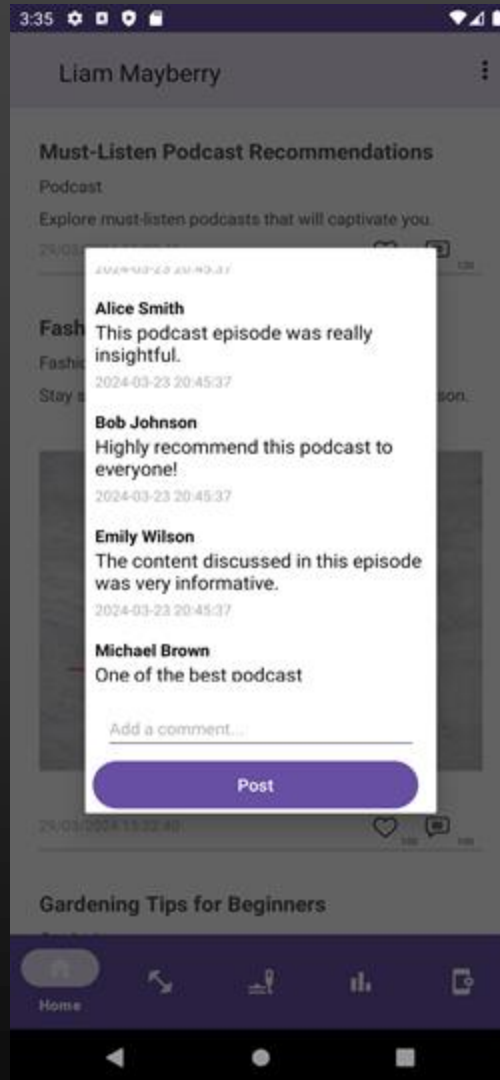
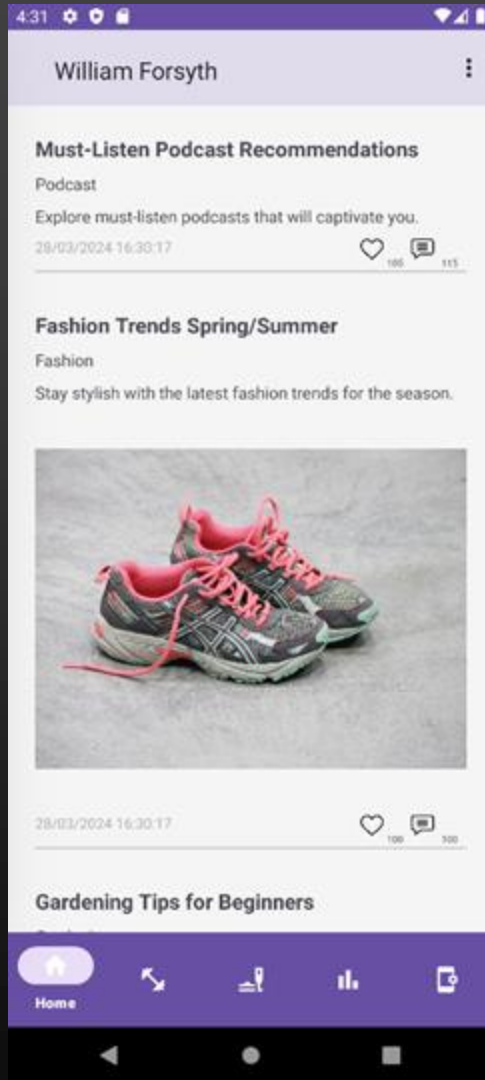
[Sign in Here](#)

# Workout Screen

- Members can view exercises for specific days
- Members can mark workouts complete
- Workouts are given by the personal trainer



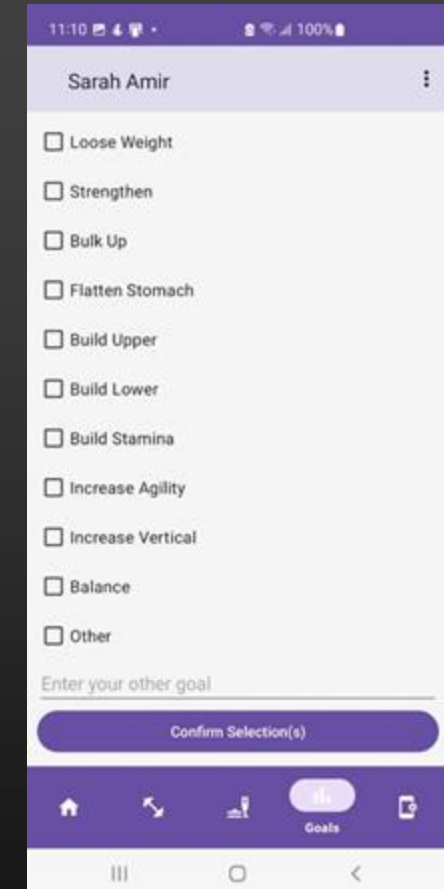
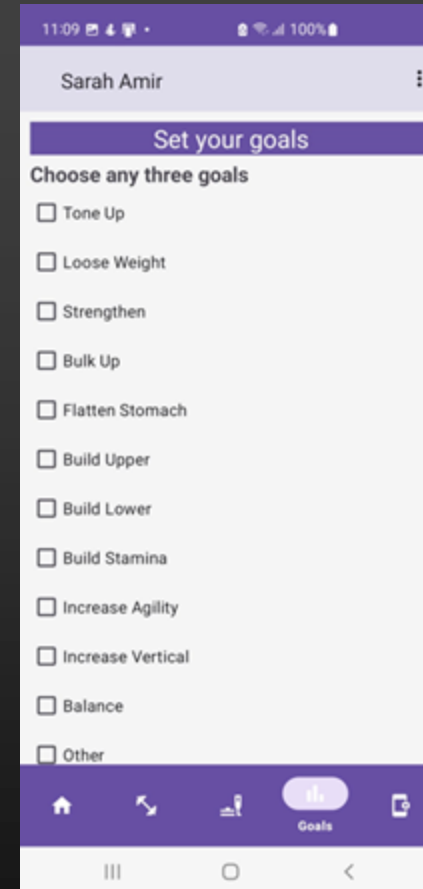
# Home Screen



- Community Timeline: Exclusive to PT Communities
- Member Engage: Like & Comment on posts
- Relevant Tags: Highlight importance of posts

# Goals Screen

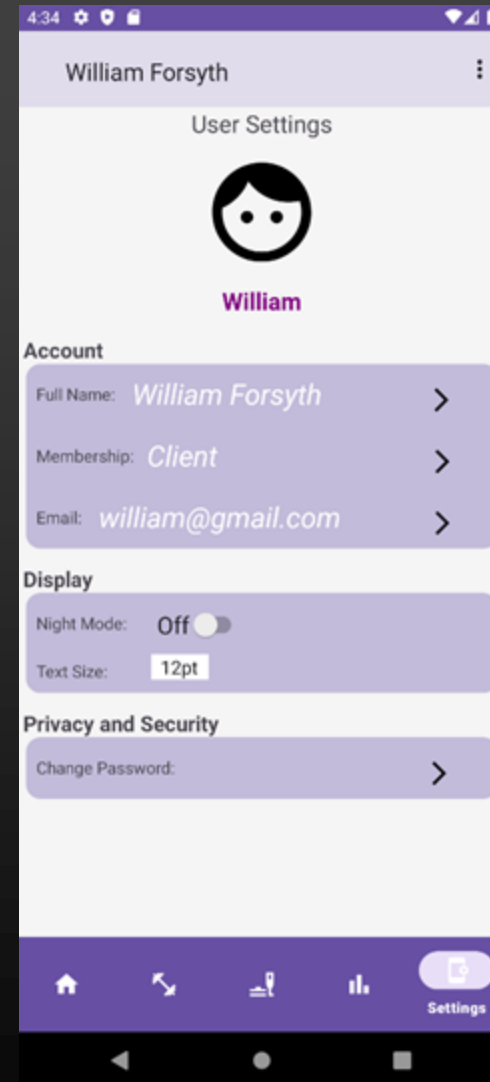
- Members can set maximum three goals as a plan.
- Members can change the goals once they have achieved the previous goals.
- Goals integration with database is in progress.





# Settings Screen

- Settings Fragment
- Low Functionality
- Displays User Details
- Plan is to include functionality



# Desktop App Demonstration

[Login](#) [Register](#)

### Dashboard

[Client Management](#) [Session Scheduling](#) [Progress Tracking](#) [Analytics & Insights](#) [Notifications](#)

[Subscription Management](#)

#### Client Management

Basic

Add Client

Name	Email	Subscription Type	Actions
John Doe	john@example.com	Basic	
Jane Smith	jane@example.com	Premium	

### Workout Management

Workout Name:

Around the world in 80 days

Description:

Extreme rowing

Difficulty:

Extremely Easy

Exercise List:

Extend both elbows out, paddle in and out for 80 days.

Assign to Client:

Select a client

Create Workout

March 2024

MON	TUE	WED	THU	FRI	SAT	SUN
26	27	28	29	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Session Title:

Start Time:

--:--

End Time:

--:--

Client Name:

Jane Smith

Session Type:

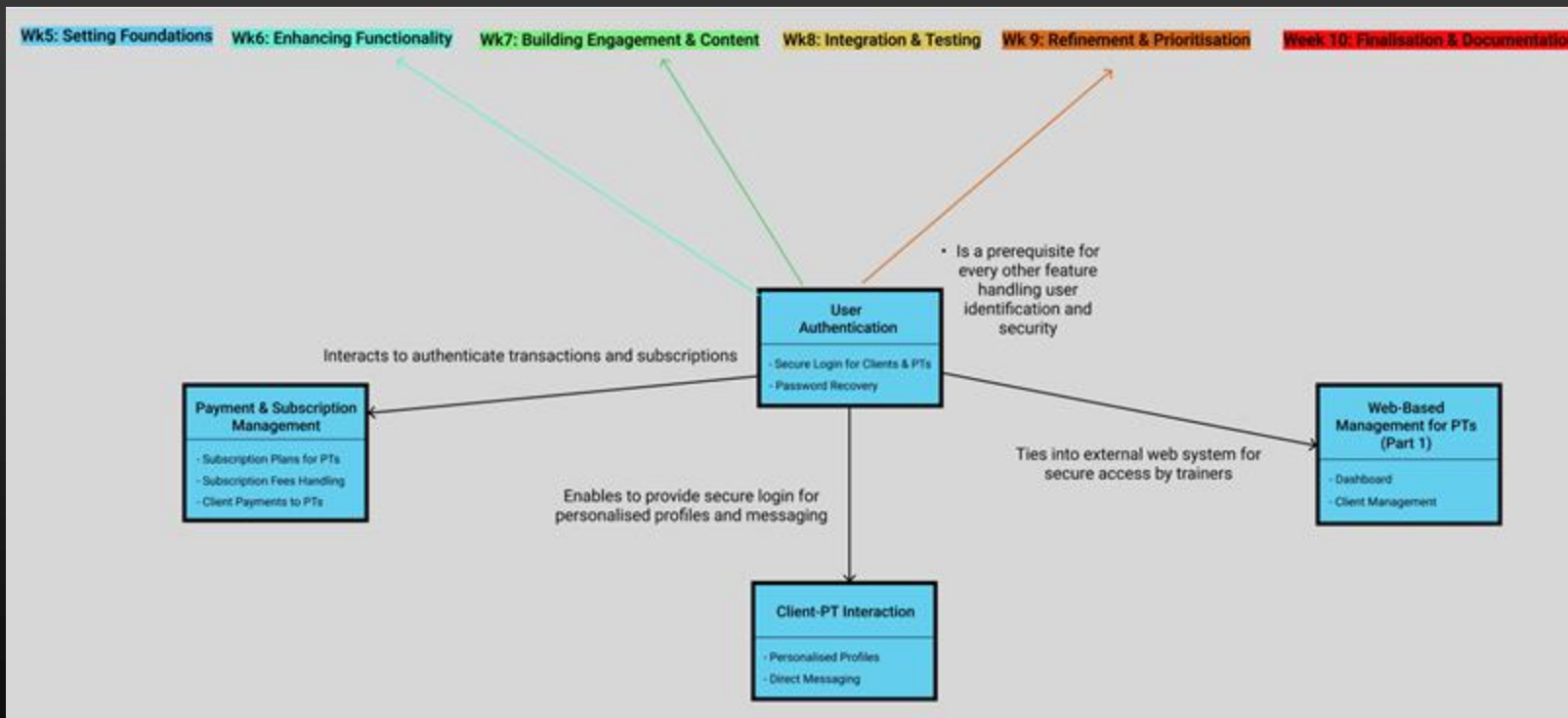
Personal Training

Add Session

Clients



# Project Management



Name	Duration	Start
<b>Analysis &amp; Design</b>		<b>01/02/24 08:00</b>
Brainstorming ideas	6 days?	01/02/24 08:00
Requirements gathering	6 days?	01/02/24 08:00
Target user research	5 days?	09/02/24 08:00
Wireframes & UI/UX Design	5 days?	09/02/24 08:00
Class diagrams & Architectural design	5 days?	09/02/24 08:00
Design refinement	3 days?	16/02/24 08:00
<b>Implementation &amp; Testing</b>	<b>29 days?</b>	<b>19/02/24 08:00</b>
<b>Sprint 1 (Core functionalities)</b>		<b>19/02/24 08:00</b>
Setup development environment		21/02/24 08:00
Start frontend development		22/02/24 08:00
Implement User authentication		22/02/24 08:00
Implement Profile Setup		22/02/24 08:00
Implement Subscription Management		22/02/24 08:00
Implement Messaging interface		22/02/24 08:00
Implement Tracking features		22/02/24 08:00
Develop Community Space		22/02/24 08:00
Start backend development		22/02/24 08:00
Integrate User Authentication		22/02/24 08:00
Integrate Profile Setup		22/02/24 08:00
Integrate Subscription Management		22/02/24 08:00
Integrate Messaging service		22/02/24 08:00
Integrate Tracking APIs & Service		22/02/24 08:00
Integrate Community data		22/02/24 08:00
Conduct Integration Testing		19/02/24 08:00
Refine Bugs/Features		19/02/24 08:00
Sprint 1 complete		19/02/24 08:00
<b>Sprint 2 (Advanced functionalities)</b>		<b>13/03/24 08:00</b>
Prioritise Completion Remaining Features		13/03/24 08:00
Finalise frontend development		13/03/24 08:00
Implement Feature 1		13/03/24 08:00
Implement Feature 2		13/03/24 08:00
Finalise backend development		13/03/24 08:00
Integrate Feature 1		13/03/24 08:00
Integrate Feature 2		13/03/24 08:00
Conduct System Testing		25/03/24 08:00

# KanBan Methodology

IP3

Add status update

master

web-app

wf-usersettings

workoutpage

sarah\_goals

Liam

+ New view

Filter by keyword or by field

Todo 9

This item hasn't been started

IP3 #23

Integration with Mobile App

IP3 #24

Testing & Debugging

IP3 #21

Notification Page Design/Implementation

IP3 #22

Client Deletion Functionality in Client Management Page

IP3 #43

Integrate Fire Analytics

IP3 #46

+ Add item

In Progress 6

This is actively being worked on

IP3 #20

Post editing page

IP3 #41

Integrate Food API to fetch nutritional values

IP3 #42

Create nutritional values table for users to add daily intake and generate visual data

IP3 #49

refine web app interface

IP3 #50

additional security regarding routes on the web app

IP3 #51

+ Add item

Done 24

This has been completed

IP3 #19

Initial Login/Register page

IP3 #18

Initial Dashboard page

IP3 #26

Create layout files for food fragment

IP3 #27

Create layout files for home fragment

IP3 #28

Create layout files for goals fragment

IP3 #29

Create layout files for timeline / home fragment

+ Add item

Abandoned 1

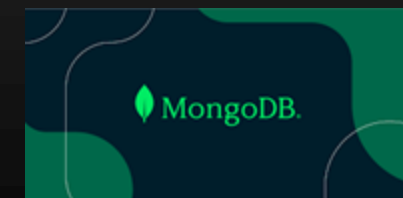
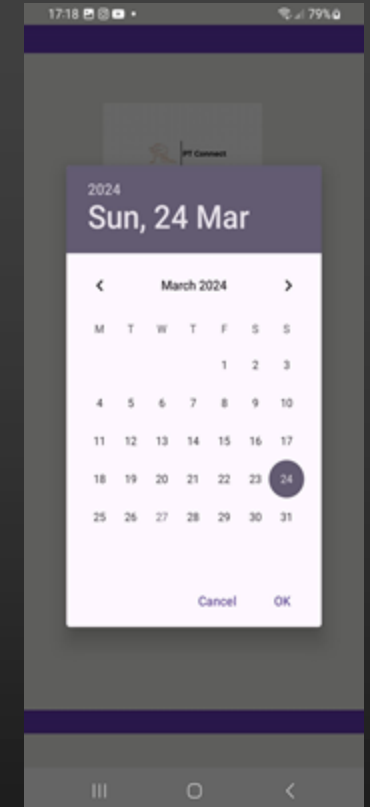
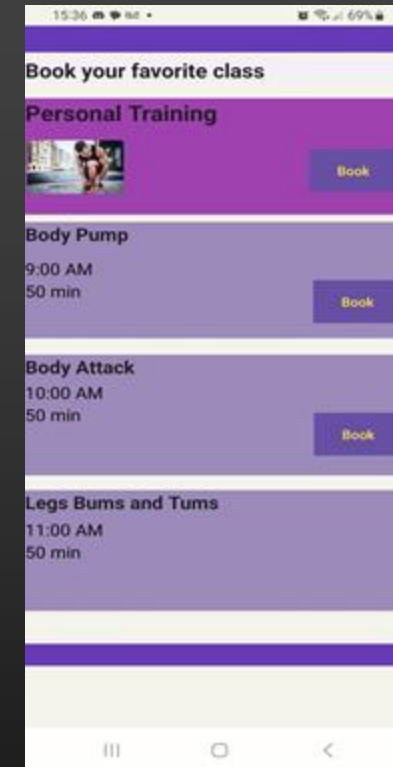
IP3 #44

Integrate MongoDB

+ Add item

# Challenges Faced and Resolutions

- MongoDB integration
- Raquel booking system
- Learning curve
- Github





## Actions required to complete project and meet deadlines

