

GYMTECH Report

"Get fit at your fingertips"



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Glossary of Terms	2
User Requirements	3
System Requirements	4
Functional Requirements:	4
Non-Functional Requirements:	5
Software Process	5
Software Process Type	5
Division of phases	6
Phase 1: Requirements Gathering and Analysis	6
Phase 2: Design	6
Phase 3: Implementation	6
Phase 4: Test	7
Phase 5: Deployment and maintenance	7
Backlog and Sprints	7
Architectural Design	7
System Design	7
Application Design	8
System Analysis and UML Diagrams	9
Use Case Diagram	9
Activity Diagram	10
State Machine Diagram	11
Class Diagram	12
Interaction Diagram (Sequence Diagram)	13
User Interface Specification	14
System Testing	20
Backend Testing	20
addExerciseTesting:	21
addGymTesting:	21
postingFeedbackTesting:	22
addWorkoutTesting:	22
getFeedbacksTesting:	23
getGymsTesting:	24
getExercisesTesting:	25
getDashboardDataTesting	26
startWorkoutTesting	27
finishWorkoutTesting	27
Frontend Testing	28

Login with an invalid user:	28
Trying to sign up with empty fields:	29
Signing up with an existing email:	29
Signing up with a new email:	30
Trying to add a workout without a name:	31
Trying to add a workout without any exercises:	31
Trying to finish a workout with numeric and alphabetic fields:	32
Trying to finish a workout with numeric fields:	32
Trying to finish a workout with numeric fields:	33
Trying to add a feedback:	34
Trying to add a gym as an admin with empty fields:	35
Trying to add a gym as an admin with non empty fields:	36
Trying to add an exercise as an admin with empty fields:	37
Trying to add an exercise as an admin with non empty fields:	38

Glossary of Terms

Administrator: Someone who observes the website and is responsible for data addition and manipulation.

Application: The main program that the user will be interacting with.

Database: Server that will contain user data and workouts.

Developer: Someone who is responsible for creating the website's front-end and back-end.

Graphical User Interface (GUI): A type of interface that allows the user to interact with the graphical components.

Gym tracker app: A mobile application that allows users to track their fitness activities and progress, set goals, and receive recommendations for workouts.

User: A person who downloads and uses the gym tracker app to track their fitness journey.

Workout plan: A set of exercises designed to help users achieve specific fitness goals, such as weight loss, muscle gain, or endurance training.

Progress tracker: A feature of the gym tracker app that allows users to monitor their fitness progress, including weight, body measurements, and workout performance.

Fitness goals: Specific objectives that users aim to achieve through regular exercise and healthy nutrition, such as building muscle, losing weight, or improving cardiovascular health.

Feedback mechanism: A system within the gym tracker app that allows users to provide feedback and suggestions for improving the app's functionality and user experience.

Exercise Library: A collection of workout videos, instructions, and demonstrations available on the gym tracker app for users to access and follow.

Workout logs: A record of users' completed workouts, including the exercises performed, sets, and repetitions, and the duration of the workout.

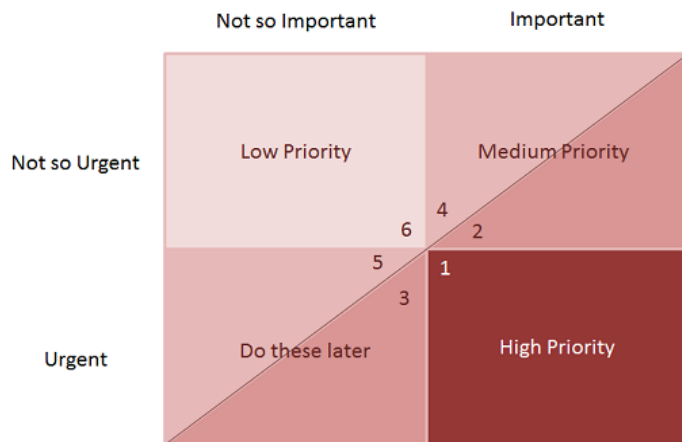
Gamification: The process of turning fitness goals and activities into a game-like experience, using rewards, challenges, and points systems to motivate users and enhance their engagement with the app.

User Requirements

Users Can:

- create an account and log in securely.
- log their workouts, including exercise type, duration, and sets/reps.
- View and track their workout progress over time.
- View the recommended body weight and calories per day.
- Earn badges depending on their progress.
- Create customized workouts.
- View videos for exercises to avoid injuries.
- View nearby gyms.
- Can track the number of burnt calories per day.
- Track the frequency of training per month.
- Track the volumes of the last sessions.
- Post feedback to participate in improvements.

System Requirements



Functional Requirements:

Identifier	PW	Requirement
REQ1	2	The app must have a user-friendly and intuitive interface for ease of use.
REQ2	2	The app should have a feature for users to save their favorite workouts and fitness plans for future reference.
REQ3	1	The app must have a secure database to store user information, workout data, and payment information (if applicable).
REQ4	4	The app should have a feature for users to give feedback and rate workout sessions or fitness plans.
REQ5	4	The app should be able to generate reports for the admin to view the feedbacks and gyms.
REQ6	2	The app should provide charts to analyze the user's progress.
REQ7	5	The app should have forms to allow the admin to add gyms and exercises.
REQ8	6	The app should have a tracker to attach a badge to a user when he accomplishes a goal.

Non-Functional Requirements:

Identifier	PW	Requirement
REQ9	2	The app must be fast and responsive to user inputs.
REQ10	1	The app should be secure and protect user data from unauthorized access.
REQ11	4	The app should be compliant with data protection laws and regulations in the user's country.
REQ12	4	The app should be regularly updated to fix bugs, improve performance, and add new features.
REQ13	2	The app should be tested thoroughly to ensure it meets all user and system requirements.

Software Process

Software Process Type

An Agile software development process would be most suitable for the development of such an app for the following reasons:

1. **Flexibility:** The agile method allows for flexibility in the development process, as requirements and priorities can change over time. This is particularly useful in the development of a gym tracking app, where user needs and feedback may change as they use the app.
2. **Iterative approach:** The agile method uses an iterative approach to development, where small parts of the app are developed and tested in short time periods. This allows for quick feedback and adjustments to be made, which is important in the development of a gym-tracking app where users may want to see immediate results.
3. **Collaboration:** The agile method emphasizes collaboration between the development team and the stakeholders, including the users. This is important in the development of a gym tracking app, as user input and feedback are crucial to ensure the app meets their needs and is user-friendly.
4. **Continuous improvement:** The agile method promotes continuous improvement

throughout the development process, with frequent reviews and adjustments made based on feedback. This is particularly important for a gym tracking app, as user needs and preferences may change over time, and the app needs to evolve to meet those needs.

Division of phases

The development process will be divided into the following phases:

Phase 1: Requirements Gathering and Analysis

The Requirements Gathering and Analysis phase of the gym tracking app involved gathering user requirements using methods like interviews and surveys, and analyzing the gathered information to identify common themes. The team categorized the requirements into functional and non-functional, and defined the system requirements based on them. This phase set the foundation for the rest of the development process.

Phase 2: Design

In the design phase of the previous gym tracking app, the system architecture and application architecture were determined. The application architecture followed the Model-View-Controller (MVC) design pattern, which separates the application into three interconnected components: the model, which represents the data and business logic; the view, which handles the presentation layer; and the controller, which manages the communication between the model and view. The system architecture was designed as a client-server architecture, where the client (the web app) interacts with the server (the backend) via APIs. The database schema was also designed during this phase, outlining the tables, relationships, and constraints necessary for storing and retrieving user data. Overall, the design phase focused on creating a robust and scalable system that could efficiently handle the demands of a gym-tracking app.

Phase 3: Implementation

The implementation phase of the gym tracking app involved developing and coding the software based on the requirements identified in the previous phases. The team followed an Agile development approach, breaking down the development into sprints, and continuously testing and reviewing the software as it was being developed. They utilized Vue.js, a front-end JavaScript framework, and Node.js, a back-end JavaScript framework, to create a scalable and responsive web application. The implementation phase was a crucial part of the development process, as it brought the gym tracking app to life and

allowed the team to refine and polish the software before release.

Phase 4: Test

In this stage, the app is tested for errors and problems to make sure it complies with all functional and non-functional criteria. To make sure the software functions as intended.

Phase 5: Deployment and maintenance

The deployment and maintenance phase of the previous gym tracking app involves the release and distribution of the app to end-users and the ongoing management and upkeep of the app post-release. This includes ensuring that the app is deployed on appropriate hardware and software platforms, and that any necessary configurations or updates are made to the app and its associated systems. Additionally, the app must be monitored to ensure that it is performing well, and any bugs or issues must be promptly addressed through ongoing maintenance and support. Finally, the app should be regularly updated with new features and improvements to keep it competitive and relevant in the marketplace.

Backlog and Sprints

GYM TECH BACKLOG					
As a	I want to be able to ...	So that ...	Priority	sprint	status
user	create a customized workout plans	I can focus on the trainings that best suit my body	must	sprint 5	done
user	start a workout and specify weights and reps	I can track volumes of workouts	should	sprint 5	done
user	track my fitness progress over time	I can review my progress	must	sprint 2	done
user	learn about the technique of new workouts	I can avoid injuries	should	sprint 5	done
user	browse gyms as the best suits me	I can find an appropriate and affordable gym	may	sprint 4	done
user	track my badges and achievements	I can be motivated	may	sprint 4	done
user	Create a new account	I can see my customized workouts	must	sprint 1	done
user	login	I can access my workouts	must	sprint 1	done
user	recommend an improvement	I can help for better user experience	should	sprint 2	done
adminstrator	add new workouts	I can provide various exercises to users	must	sprint 3	done
adminstrator	list customers	I can summarize their interaction	must	sprint 3	done
adminstrator	add new gyms	I can provide multiple gyms to the user so that he can choose from them	must	sprint 3	done
adminstator	view messages in the database and delete them	I can track user suggestions and recommendations	must	sprint 3	done

Architectural Design

System Design

The client-server architecture used in the gym tracking app is a common architecture for web-based applications. The architecture consists of two main components: the client, which is usually a web browser, and the server, which hosts the application and its data. In this architecture, the client sends requests to the server, and the server responds with the requested data or performs the requested action. In the gym tracking app, the client

component was the user's device, such as a smartphone or computer, and the server component hosted the app and its data. The client-server architecture provided a scalable and secure solution for the gym tracking app, allowing users to access their data from multiple devices and ensuring that their information was preserved on the server.

The communication between the client-side and server-side of the application would be through API calls. The web app would use REST APIs to communicate with the server, which would allow for easy integration with different platforms and technologies.

Application Design

Based on the requirements of the gym tracking app, a suitable application architecture would be the Model-View-Controller (MVC) architecture. This architecture separates the application into three interconnected components: the Model, the View, and the Controller. The Model represents the data and the business logic of the application. In the gym tracking app, this would include information about users, workouts, and progress tracking. The View represents the user interface of the application and how the user interacts with the app. In the gym tracking app, this would include screens for logging in, viewing workout history, and setting goals. The Controller acts as the intermediary between the Model and the View, processing user input and managing the application logic. In the gym tracking app, this would include handling user requests to add workouts, update progress, and track goals. Using the MVC architecture design for the gym tracking app would allow for better organization of the code, making it more modular and easier to maintain. Additionally, it would facilitate better collaboration among team members working on different components of the application.

DATA TABLES

User											
id	fname	lname	email	password	gender	age	weight	height	target weight	daily calories burnt	suggested calories per day
int	varchar(20)	varchar(20)	varchar(100)	varchar(100)	char(1)	int	float(5,2)	float(5,2)	float(5,2)	float(6,2)	float(6,2)

Exercise						
id	name	image	category	target muscle	video link	calories per set
int	varchar(20)	varchar(200)	varchar(20)	varchar(20)	varchar(200)	float(6,2)

Badges			
id	name	image	condition
int	varchar(20)	varchar(200)	varchar(100)

Workout				
user_id	exercise_id	workout_name	number of sets	total calories
int	int	varchar(20)	int	float(6,2)

Daily Workout						
workout_name	user_id	ex_id	set_number	date	weight	reps
varchar(20)	int	int	int	Date	int	int

Progress			
user_id	date	workout_name	trained
int	Date	varchar(20)	tinyint

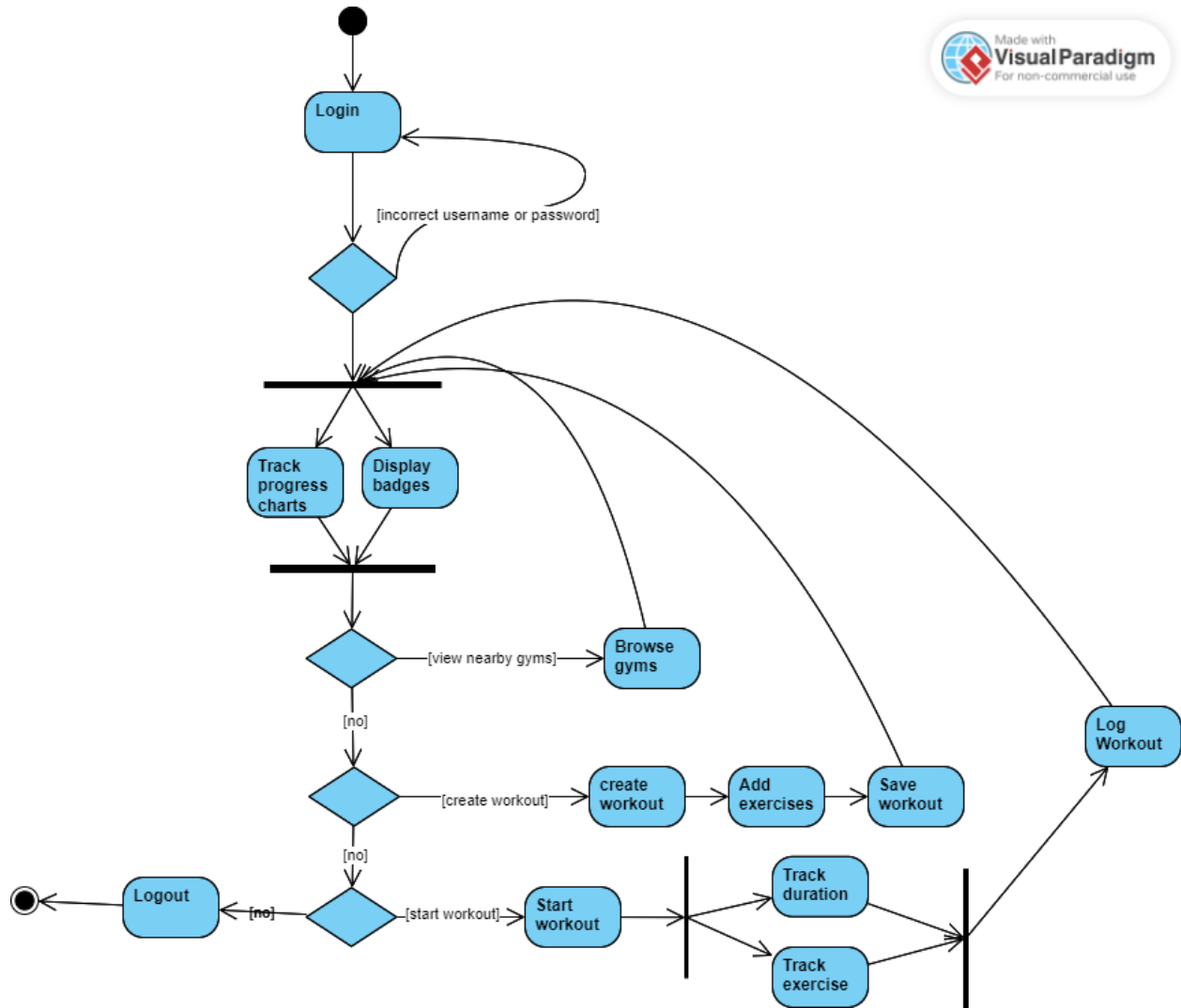
Badges Earned	
user_id	badge_id
int	int

GYM					
name	location	price/month	working hours	rating	link
varchar(20)	varchar(20)	int	varchar(20)	float(3,1)	varchar(100)

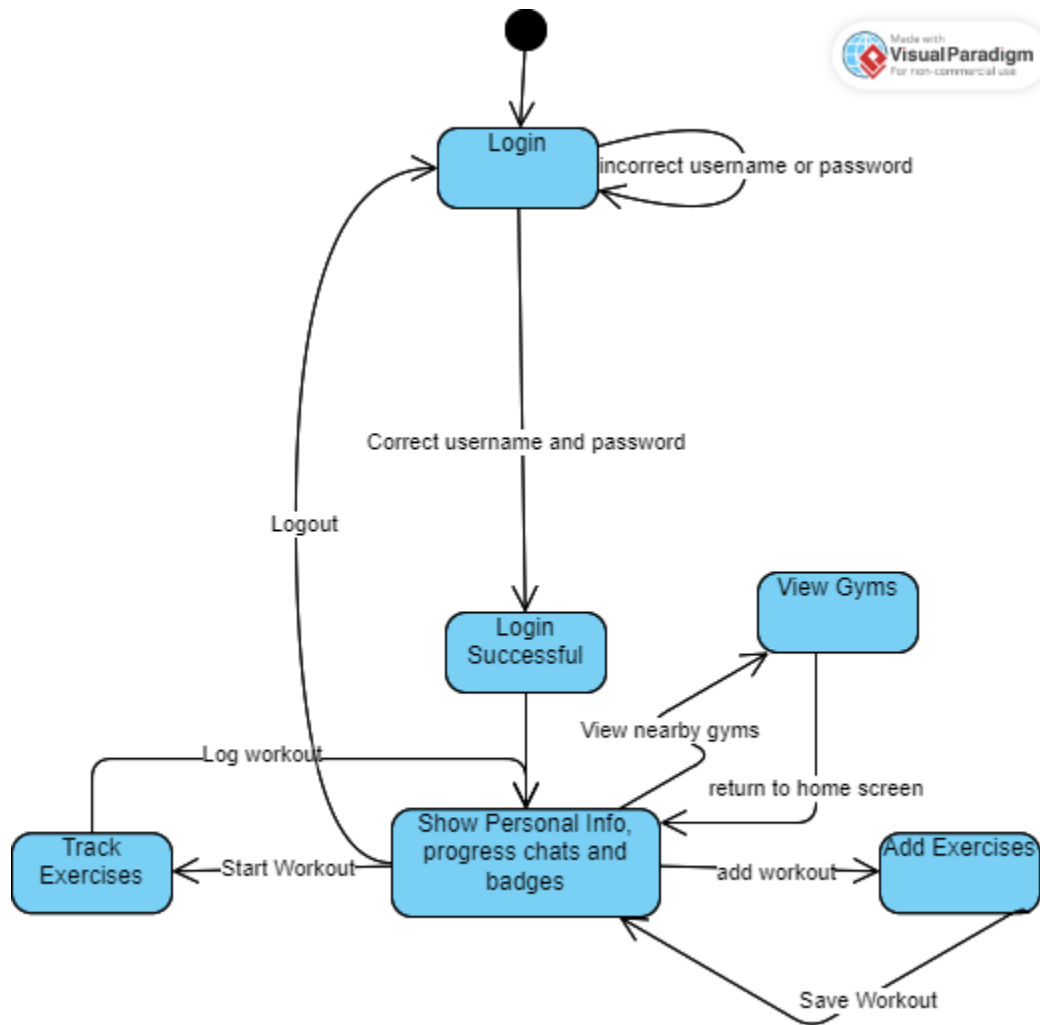
Recommendations			
recommendation_id	user_id	date	recommendation
int	int	Date	varchar(200)

System Analysis and UML Diagrams

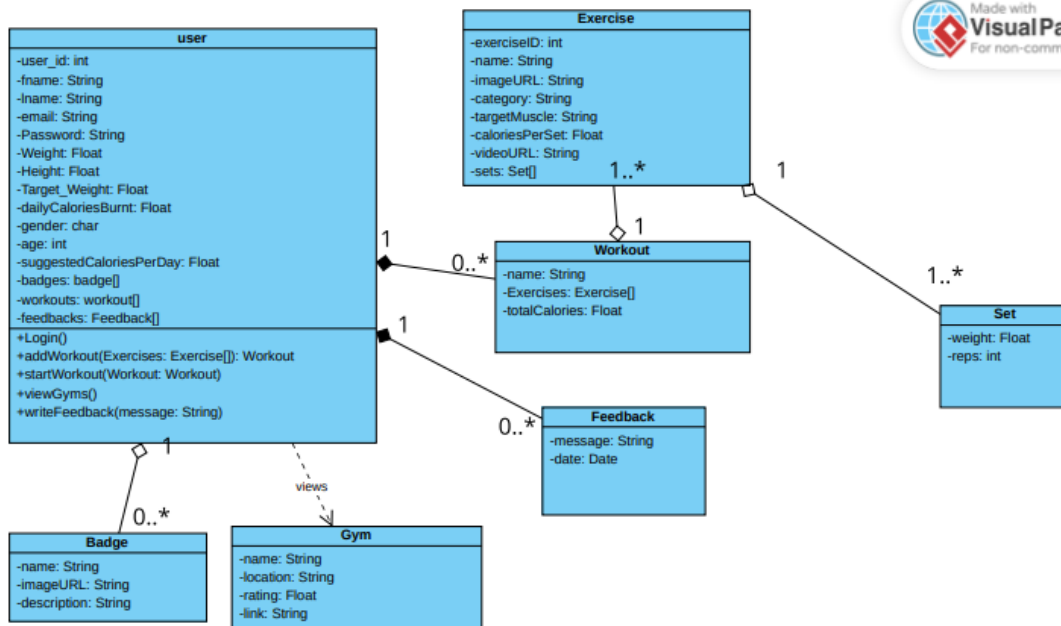
Use Case Diagram



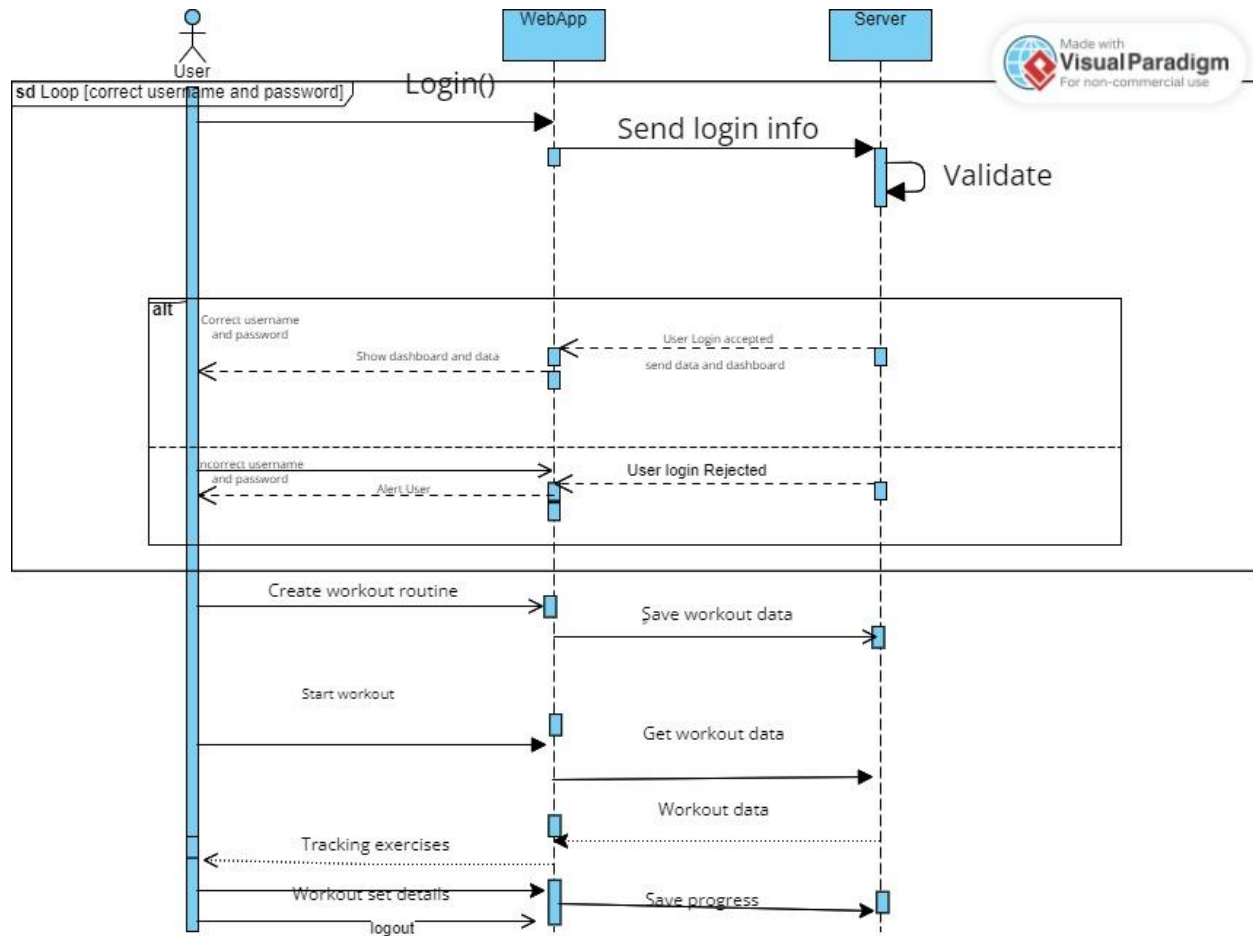
State Machine Diagram



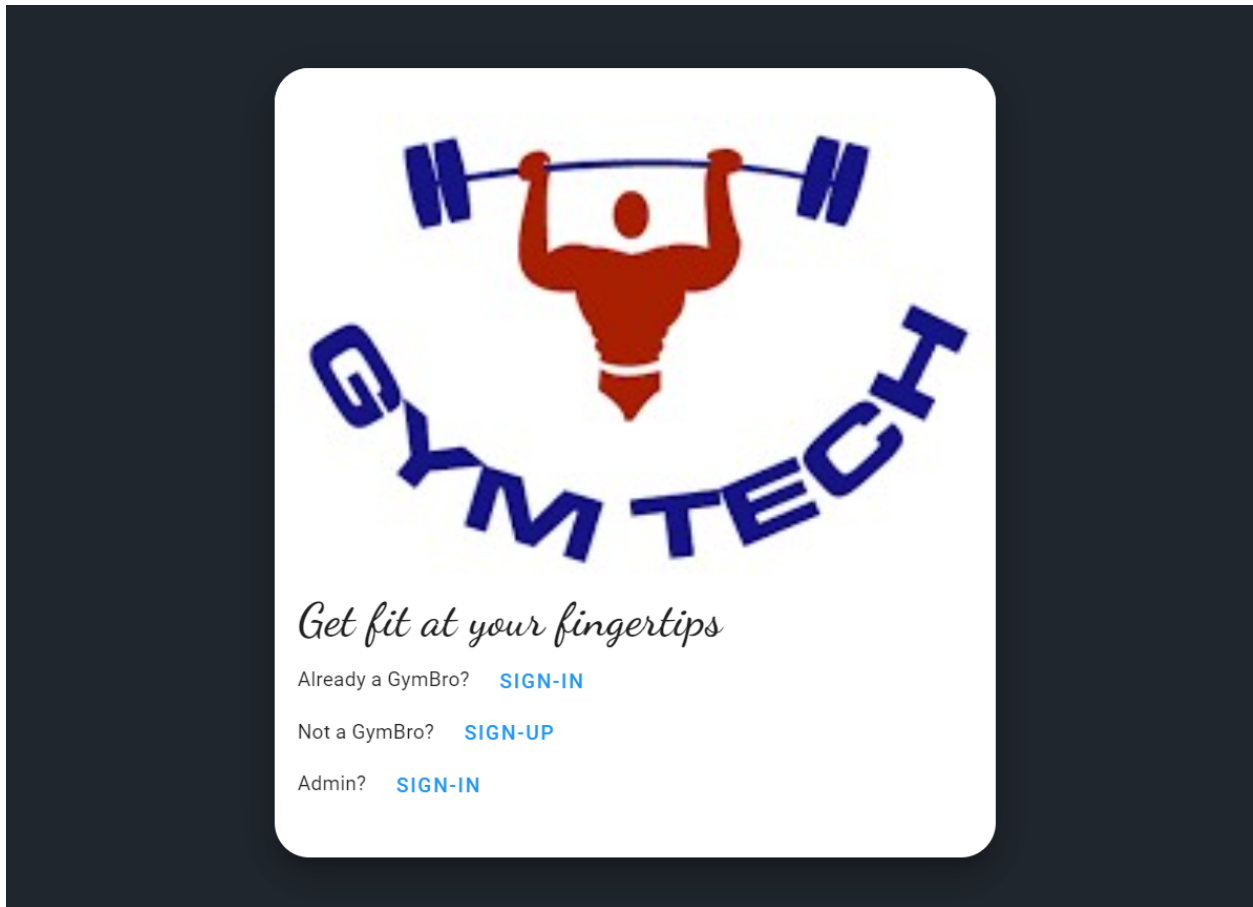
Class Diagram



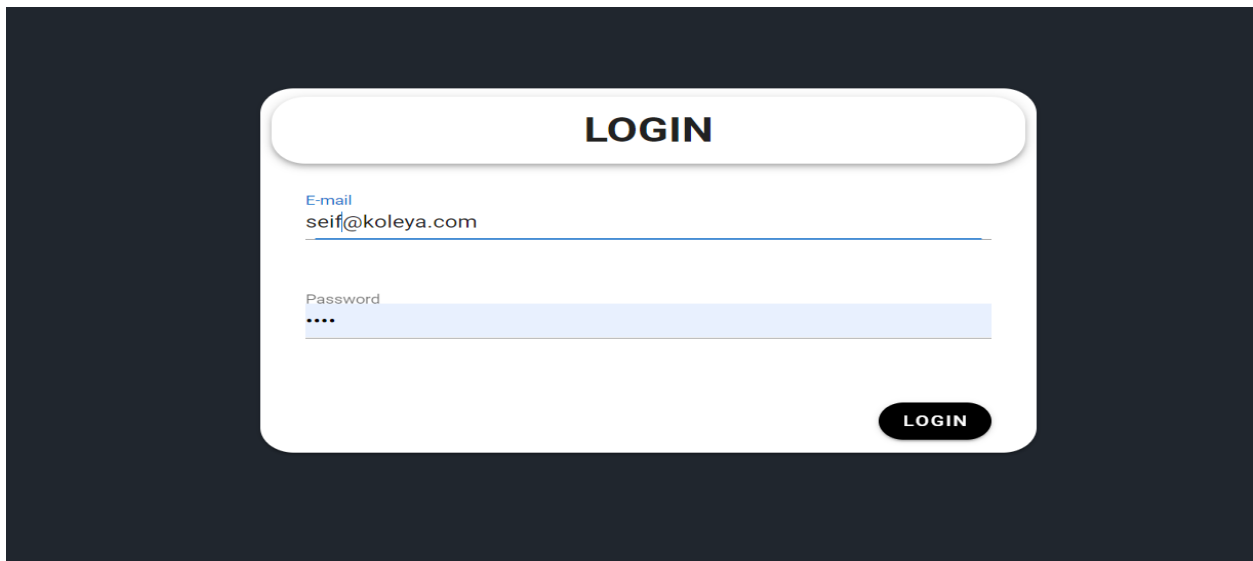
Interaction Diagram (Sequence Diagram)



User Interface Specification



On the starting page, the user is allowed to sign-in, sign-up or sign-in as admin.



On the login page, the user is allowed to sign in into his account.

REGISTER

First name

Last name

E-mail

seif@koleya.com

Password

.....

Confirm Password

Gender

Age

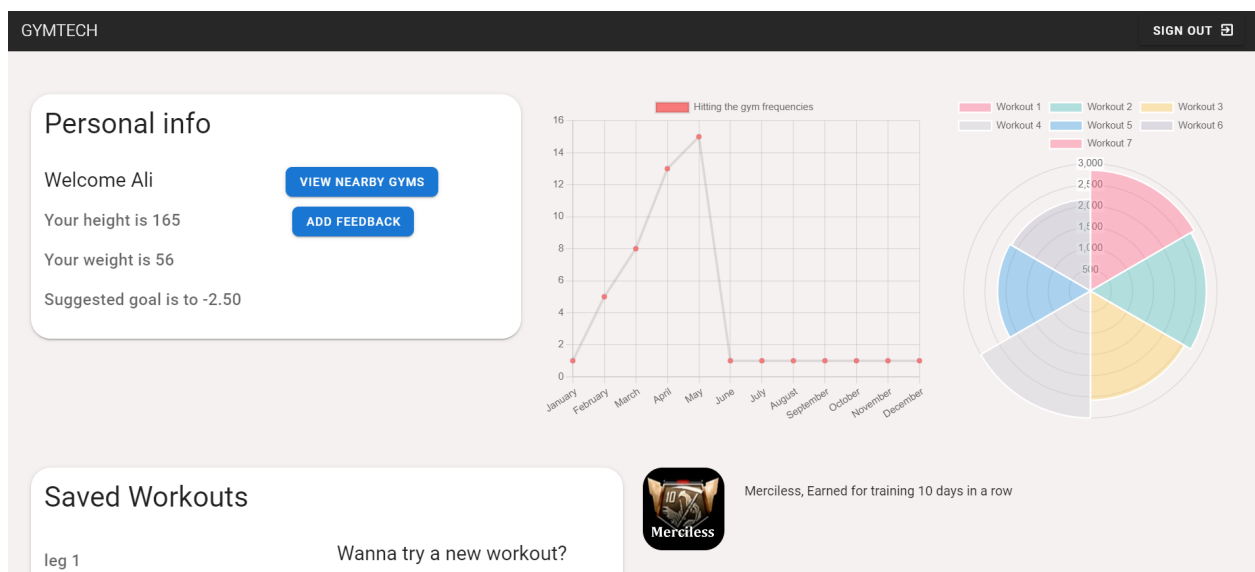
Height in cm

weight in Kg

☐ Agree on terms and conditions

SIGN UP

On the sign-up, the user is allowed to create his account.



On the dashboard page, the user is allowed to: view nearby gyms, add feedback, start a

workout session, add a new workout routine, view frequency of training each month and view the volume of each workout in the last 7 days.

Gym					
Name	Location	Price/month	Rating	Link	Working Hours
Golds gym	Alexandria	1000	5	https://www.facebook.com/goldsgym	10am-12am
Leader Gym	Louran	700	4.5	https://www.facebook.com/LeaderGymAlex	24 hours
Muscle Empire	Smouha	800	4.5	https://www.facebook.com/MusclesEmpireGym	10am-12am
Uphill gym	Saba Basha	900	4.5	https://www.facebook.com/uphill.gym	24 hours

Rows per page: 10 1-4 of 4 < >

Example of the view nearby gyms page.

FEEDBACK

Give feedback, receive growth.


Feedback


0 / 200


SUBMIT


Example of the add feedback page.


workout name


☐ one arm dumbbell row
 Category: back
 upper and lower back
 


☐ pull up
 Category: back
 Latissimus dorsi
 

☐ bent over row
 Category: back
 Latissimus dorsi
 

☐ deadlift
 Category: back
 glutes and trapezius muscles
 

☐ T-bar row
 Category: back
 latissimus dorsi
 

☐ seated cable row
 Category: back
 upper back
 

☐ pull down row
 Category: back
 lats
 

Example of the add a workout page.

ADMIN LOGIN

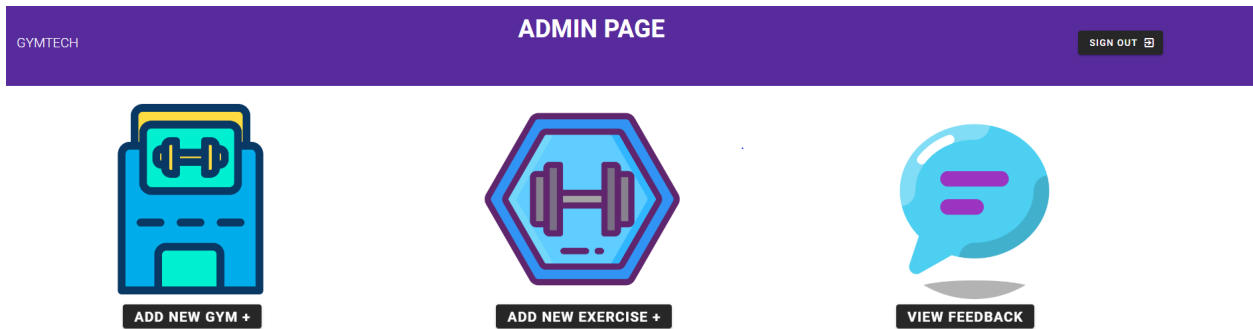
Admin E-mail

self@koleya.com

Admin Password

LOGIN

On the admin login page, the admin is allowed to login into his account.



On the admin page, the admin is allowed to add a new gym, add a new exercise and view user feedback.

The image shows a form titled 'ADD GYM' set against a dark purple background. The form itself is white with rounded corners. At the top of the form is a dark purple header with the text 'ADD GYM' in white. Below this, there are five input fields: 'Gym name', 'Price per month', 'location', 'Working hours', and 'GYM URL'. Each field has a horizontal line for text entry. At the bottom of the form, there is a 'Rating' field with a horizontal line. In the bottom right corner of the form, there is a dark purple button with the text 'ADD GYM +' in white.

Example of the add gym page.

ADD EXERCISE

Exercise name _____ Calories per set _____ Category _____

Target muscle _____

Image URL _____

Video url _____

ADD EXERCISE +

Example of the add exercise page.

Feedback			
First name	Last name	Date	Review
Seif	EL-Tahtawy	2023-05-10	hello your app is great

Rows per page: 10 1-1 of 1

Example of the view feedback page.

System Testing

Backend Testing

Backend server will be tested using Postman by sending a request and analyze the correctness of the response received

addExerciseTesting:

localhost:5000/addExercise

POST localhost:5000/addExercise

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▾

```
1 {
2   ... "exercise_name": "Glute Bridge",
3   ... "calories_per_set": "40",
4   ... "category": "legs",
5   ... "target_muscle": "core",
6   ... "image_url": "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTF4NM9ALof0WRSXCRKjM7qVcT0rbIiGAP7oA&usqp=CAU",
7   ... "video_url": "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRnTG0F1uursx7h_BHmSZHQZzT6y7ADwAc8eA&usqp=CAU"
8 }
```

Body Cookies Headers (9) Test Results

Pretty Raw Preview Visualize HTML ▾

1 Exercise added successfully

addGymTesting:

localhost:5000/addGym

POST localhost:5000/addGym

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▾

```
1 {
2   ... "gym_name": "Fit Camp",
3   ... "price_per_month": "850",
4   ... "location": "Smouha",
5   ... "working_hours": "10am-12am",
6   ... "gym_url": "https://www.facebook.com/fitcampegy",
7   ... "rating": "4"
8 }
```

Body Cookies Headers (9) Test Results

Pretty Raw Preview Visualize HTML ▾

1 Gym added successfully

postingFeedbackTesting:

localhost:5000/feedback

POST

localhost:5000/feedback

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSON

```
1 {
2   "user_email": "mekky@gmail.com",
3   "feedback": "Add more gyms in miami"
4 }
```

Body

Cookies

Headers (9)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1 {
2   "Success": true
3 }
```

addWorkoutTesting:

localhost:5000/addWorkout

The screenshot shows the Postman interface for a POST request to `localhost:5000/addWorkout`. The request body is a JSON object: `{ "keys": [1,2,3], "workout_name": "pull 2", "email": "mekky@gmail.com" }`. The response body is a JSON object: `{ "Success": true }`. The status bar at the bottom indicates a 200 OK response.

getFeedbacksTesting:

localhost:5000/getFeedbacks


GET localhost:5000/getFeedbacks

Params Authorization Headers (6) **Body** Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▼

1

Body Cookies Headers (9) Test Results

Pretty Raw Preview Visualize **JSON** ▼ 

```
1  [
2    {
3      "fname": "Ali",
4      "lname": "Mekky",
5      "recommendation": "Add more gyms in miami",
6      "date": "2023-05-11T22:00:00.000Z"
7    }
8  ]
```


getGymsTesting:

localhost:5000/getGyms

GET

localhost:5000/getGyms

Params

Authorization

Headers (6)

Body

Pre-request Script

Tests

Settings

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

JSON

1

Body

Cookies

Headers (9)

Test Results

Pretty

Raw

Preview

Visualize

JSON

```
1  {
2    "name": "Fit Camp",
3    "location": "Smouha",
4    "price/month": 850,
5    "working_hours": "10am-12am",
6    "rating": 4,
7    "link": "https://www.facebook.com/fitcampegy"
8  },
9  {
10   "name": "Golds gym",
11   "location": "Alexandria",
12   "price/month": 1000,
13   "working_hours": "10am-12am",
14   "rating": 5,
15   "link": "https://www.facebook.com/goldsgym"
16 },
17 {
18   "name": "Leader Gym",
19   "location": "Louran",
20   "price/month": 700,
21   "working_hours": "24 hours",
22 }
```

getExercisesTesting:

localhost:5000/exercises

GET localhost:5000/exercises

Params Authorization Headers (6) Body Pre-request Script Tests Settings

☐ none ☐ form-data ☐ x-www-form-urlencoded ☒ raw ☐ binary ☐ GraphQL **JSON** ▾

1

Body Cookies Headers (9) Test Results

Pretty

Raw

Preview

Visualize

JSON ▾



```
1  {
2    {
3      "ex_id": 1,
4      "name": "one arm dumbbell row",
5      "image_url": "https://static.strengthlevel.com/images/illustrations/dumbbell-row-1000x1000.jpg",
6      "category": "back",
7      "target_muscle": "upper and lower back",
8      "video_link": "https://fitnessprogramer.com/wp-content/uploads/2021/02/Dumbbell-Row.gif",
9      "calories_per_set": 50
10   },
11   {
12     "ex_id": 2,
13     "name": "pull up",
14     "image_url": "https://static.strengthlevel.com/images/illustrations/pull-ups-1000x1000.jpg",
15     "category": "back",
16     "target_muscle": "Latissimus dorsi",
17     "video_link": "https://fitnessprogramer.com/wp-content/uploads/2021/02/Pull-up.gif",
18     "calories_per_set": 56
19   },
20   {
21     "ex_id": 3,
22     "name": "bent over row",
```

getDashboardDataTesting

localhost:5000/dashboardData

POST

localhost:5000/dashboardData

Params

Authorization

Headers (8)

Body ●

Pre-request Script

Tests

Settings

● none

● form-data

● x-www-form-urlencoded

● raw

● binary

● GraphQL

JSON ▼

```
1 {  
2   ... "email": "mekky@gmail.com"  
3 }
```

Body

Cookies

Headers (9)

Test Results

Pretty

Raw

Preview

Visualize

JSON ▼



```
1 {  
2   "user_info": {  
3     "user_id": 1,  
4     "fname": "Ali",  
5     "lname": "Mekky",  
6     "email": "mekky@gmail.com",  
7     "weight": 56,  
8     "height": 165,  
9     "target_weight": 58.5,  
10    "daily_calories_burnt": 0,  
11    "gender": "M",  
12    "age": 21,  
13    "suggested_calories_per_day": 1209.6  
14  },  
15  "frequencies": [  
16    0,  
17    4,  
18    7,  
19    12,  
20    14,
```

startWorkoutTesting

localhost:5000/startWorkout

POST localhost:5000/startWorkout

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "email": "mekky@gmail.com",
3   "workout_name": "pull 1"
4 }
```

Body Cookies Headers (9) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "workout_name": "pull 1",
4     "ex_id": 1,
5     "name": "one arm dumbbell row",
6     "image_url": "https://static.strengthlevel.com/images/illustrations/dumbbell-row-1000x1000.jpg",
7     "number_of_sets": 3
8   },
9   {
10    "workout_name": "pull 1",
11    "ex_id": 2,
12    "name": "pull up",
13    "image_url": "https://static.strengthlevel.com/images/illustrations/pull-ups-1000x1000.jpg",
14    "number_of_sets": 3
15  }
16 }
```

finishWorkoutTesting

localhost:5000/finishWorkout

POST localhost:5000/finishWorkout

Params Authorization Headers (8) **Body** Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "workout": [
3     { "ex_id": 1, "ex_weghts": [35,35,30], "ex_reps": [12,12,12] },
4     { "ex_id": 2, "ex_weghts": [35,35,30], "ex_reps": [12,12,12] }
5   ],
6   "date": "2023-05-13",
7   "email": "mekky@gmail.com",
8   "workout_name": "pull 1"
9 }
```

Body Cookies Headers (9) Test Results

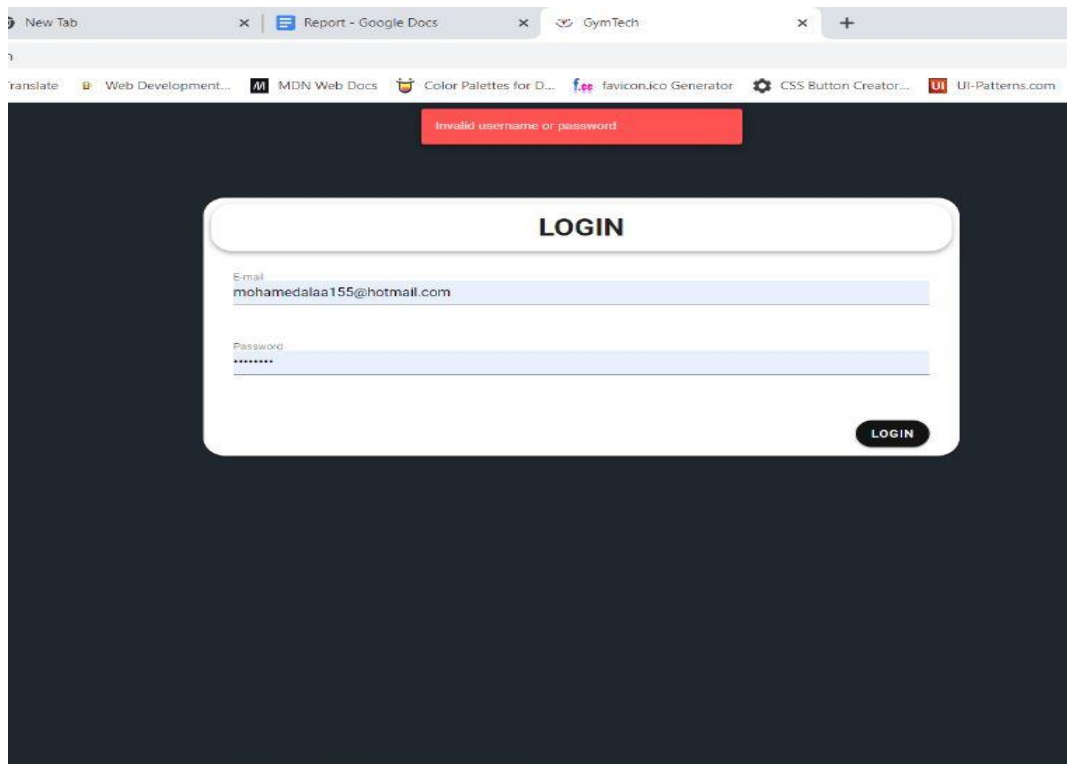
Pretty Raw Preview Visualize JSON

```
1 {
2   "Success": true
3 }
```

Frontend Testing

Frontend will be tested using correct and incorrect errors to display error messages or proceed with the normal flow.

Login with an invalid user:



Showing rows 0 - 0 (1 total, Query took 0.0002 seconds)

SELECT * FROM `user`

☐ Profiling [\[Edit Inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	user_id	fname	lname	email	password	weight	height	target_weight	daily_calories_burnt	gender	age	suggested_calories_per_day
<input type="checkbox"/>	1	Ali	Makky	makky@gmail.com	52a51091c7Jl0sIZvehb1nT3mMwuVNboZQsZAgoSRaZtzTV...	56.00	165.00	58.50	0.00	M	21	1209.60

☐ Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Trying to sign up with empty fields:

localhost / localhost / gymtech / x | New Tab | Report - Google Docs | GymTech

localhost:8081/signup

Gmail YouTube Maps Translate Web Development... MDN Web Docs Color Palettes for D... faviconico Generator CSS Button Creator... UI-Patterns.com Sneakpeekit - Print... Font Awesome

REGISTER

First name
Name is required

Last name
Name is required

E-mail
E-mail is required

Password
Password is required

Confirm Password
This field can not be empty

Gender
Gender is required

Age
Age can not be empty

Height in cm
Height can not be empty

weight in Kg
weight can not be empty

☐ Agree on terms and conditions
You must agree to continue!

SIGN UP

Type here to search

28°C

ENG 08:06 PM
US 12/05/2023

Signing up with an existing email:

localhost / localhost / gymtech / x | New Tab | Report - Google Docs | GymTech

localhost:8081/signup

Gmail YouTube Maps Translate Web Development... MDN Web Docs Color Palettes for D... faviconico Generator CSS Button Creator... UI-Patterns.com Sneakpeekit - Print... Font Awesome

Email already exists, do you want to sign in instead?

REGISTER

First name
mohamed

Last name
alaa

E-mail
mekky@gmail.com

Password

Confirm Password

Gender
Male

Age
21

Height in cm
187

weight in Kg
87

☒ Agree on terms and conditions

SIGN UP

Type here to search

USD...

ENG 08:07 PM
US 12/05/2023

Signing up with a new email:

REGISTER

First name: mohamed
Last name: alaa
E-mail: mohamedalaa155@hotmail.com

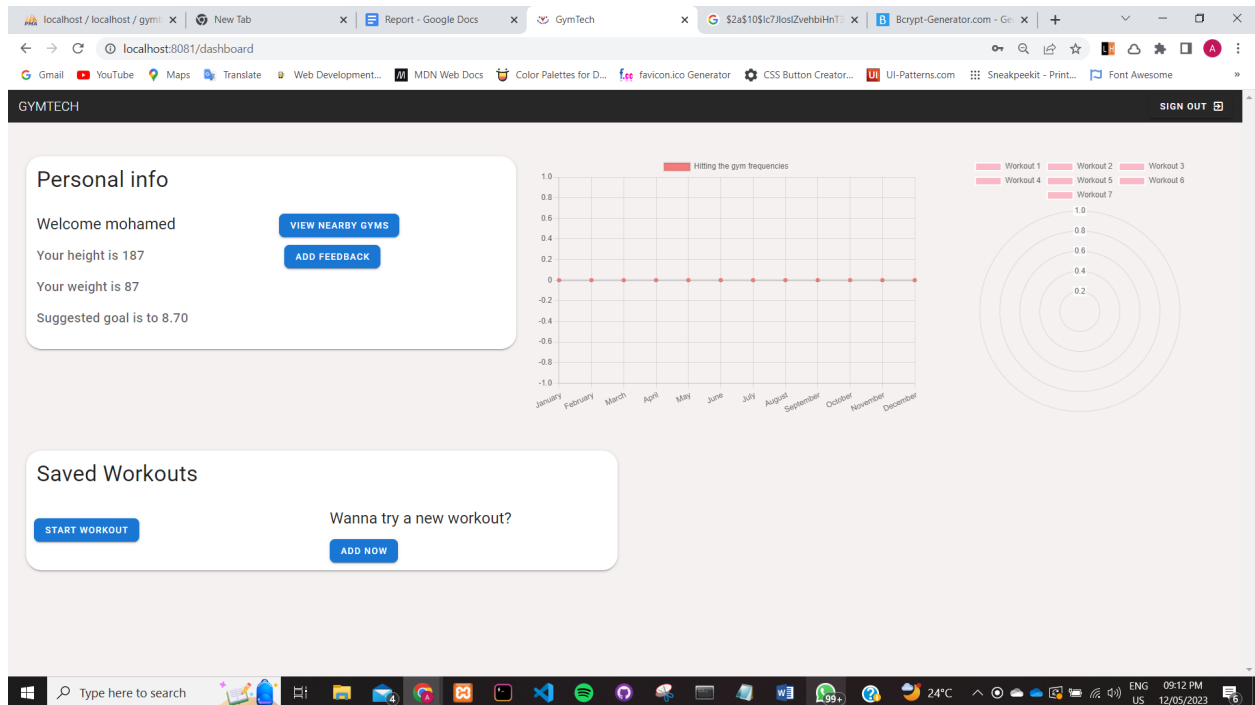
Password: *****
Confirm Password: *****

Gender: Male
Age: 21

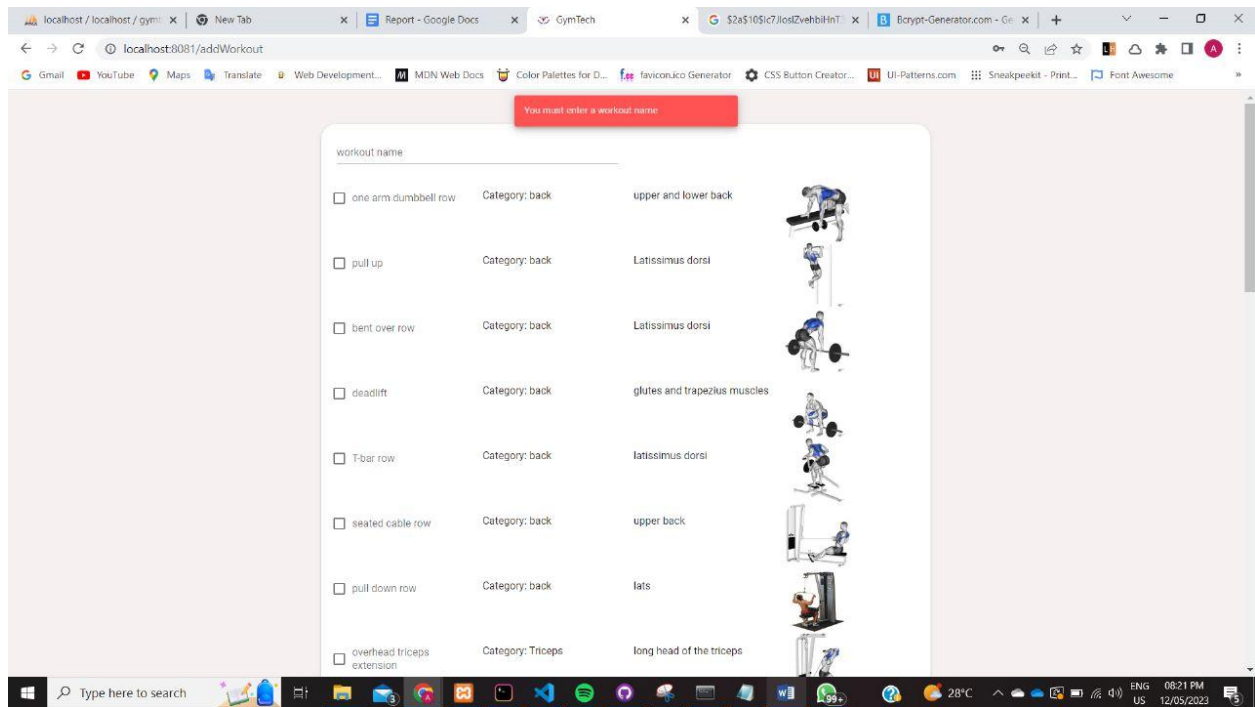
Height in cm: 187
Weight in Kg: 87

☒ Agree on terms and conditions

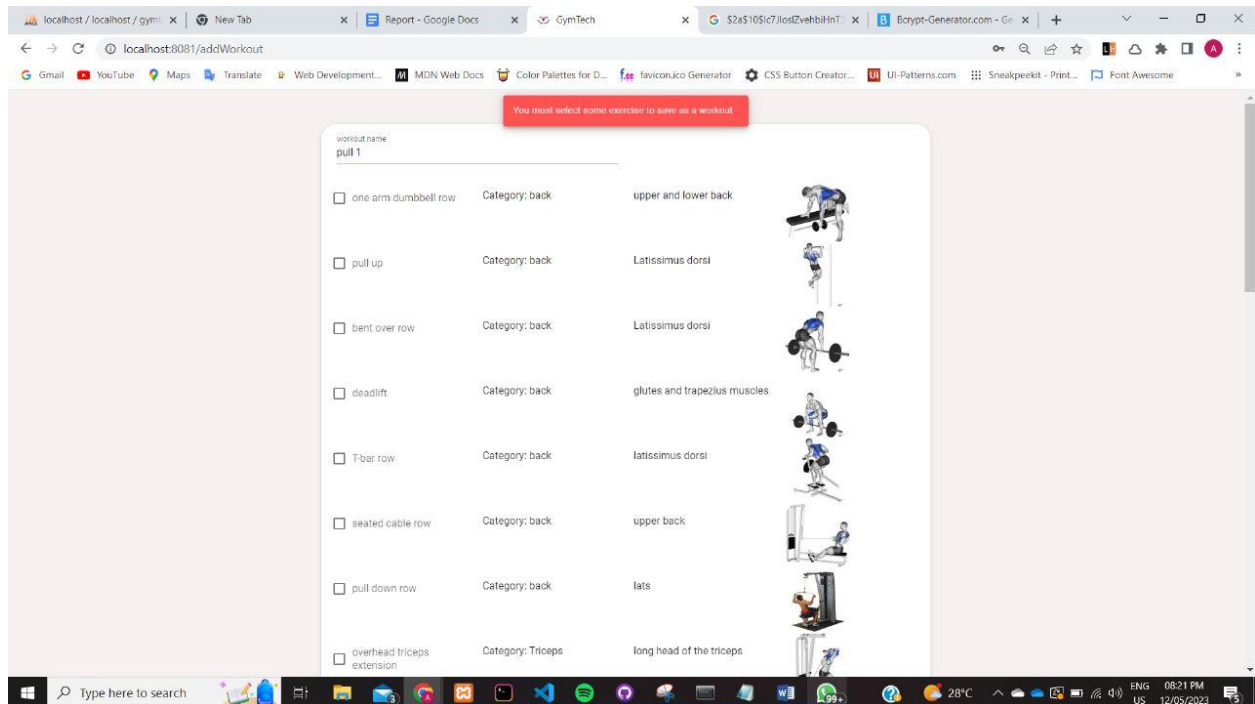
SIGN UP



Trying to add a workout without a name:



Trying to add a workout without any exercises:

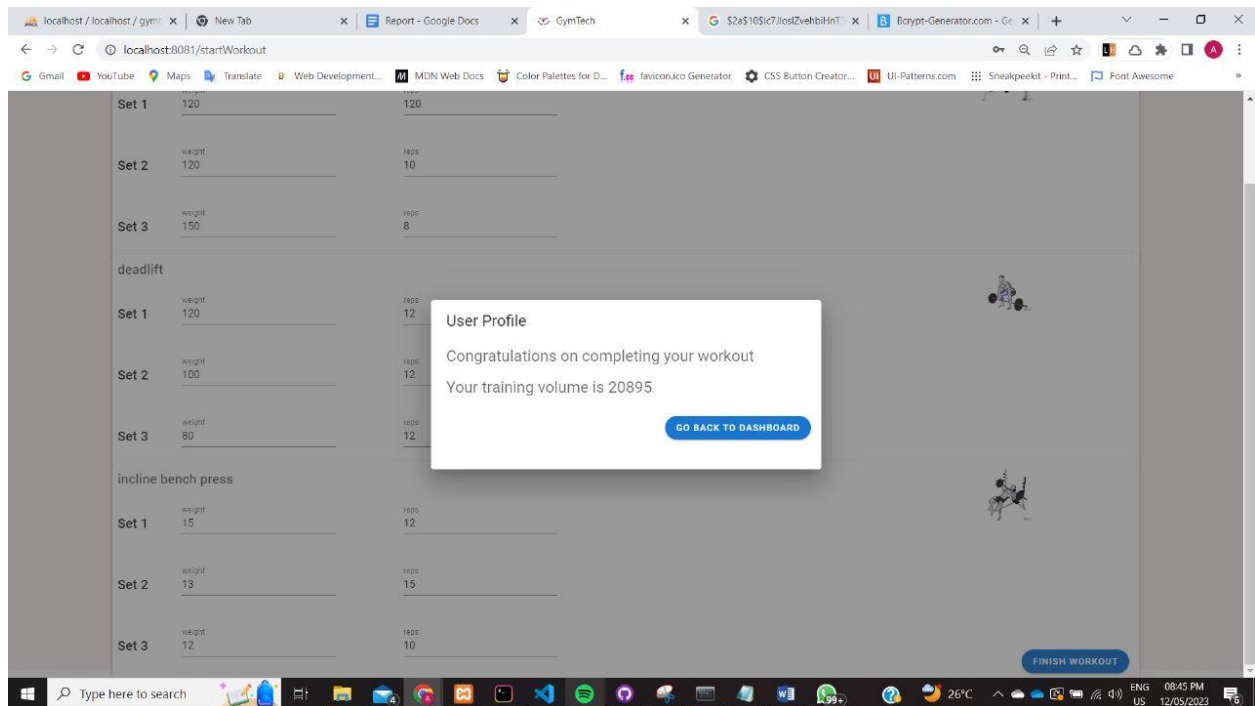


Trying to finish a workout with numeric and alphabetic fields:

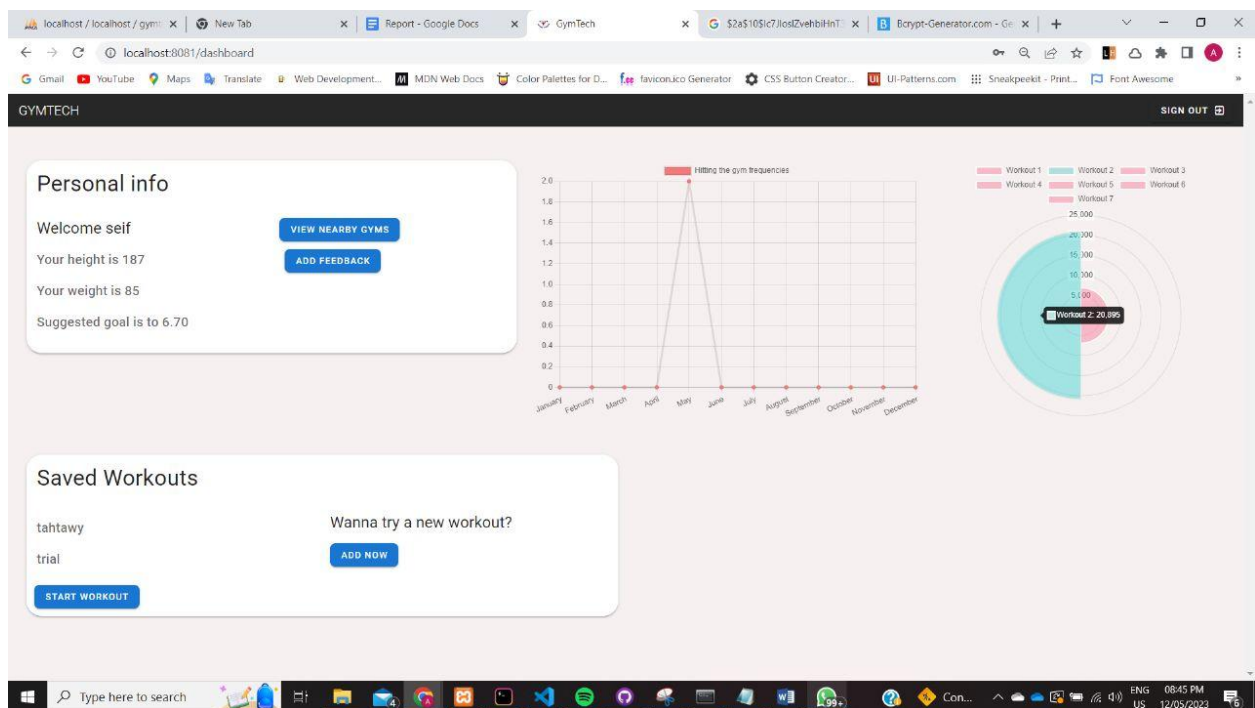
The screenshot shows a web browser window with the URL `localhost:8081/startWorkout`. The page displays a workout form with three exercises: "Set 1", "Set 2", and "Set 3" for each exercise. Each set has input fields for "weight" and "reps". A red error message is displayed: "Weights and Reps must be numeric, check for typos? hint: don't leave empty fields". The form is partially filled with the value "12" in the weight and reps fields. The exercises are "bent over row" and "seated cable row". The "FINISH WORKOUT" button is visible at the bottom right.

Trying to finish a workout with numeric fields:

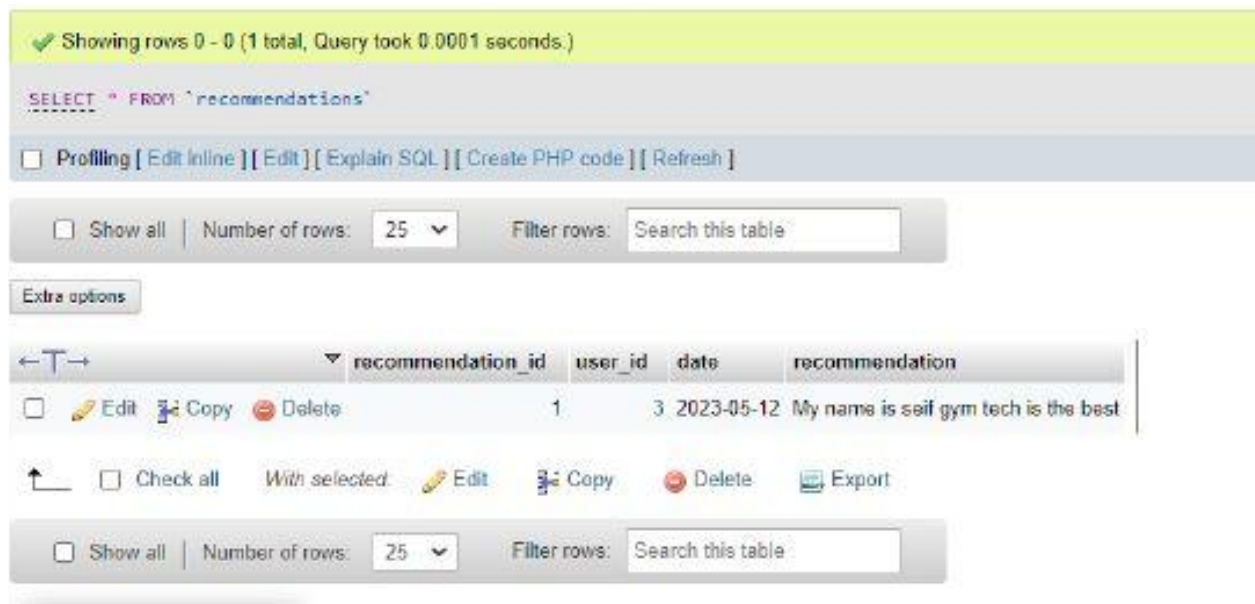
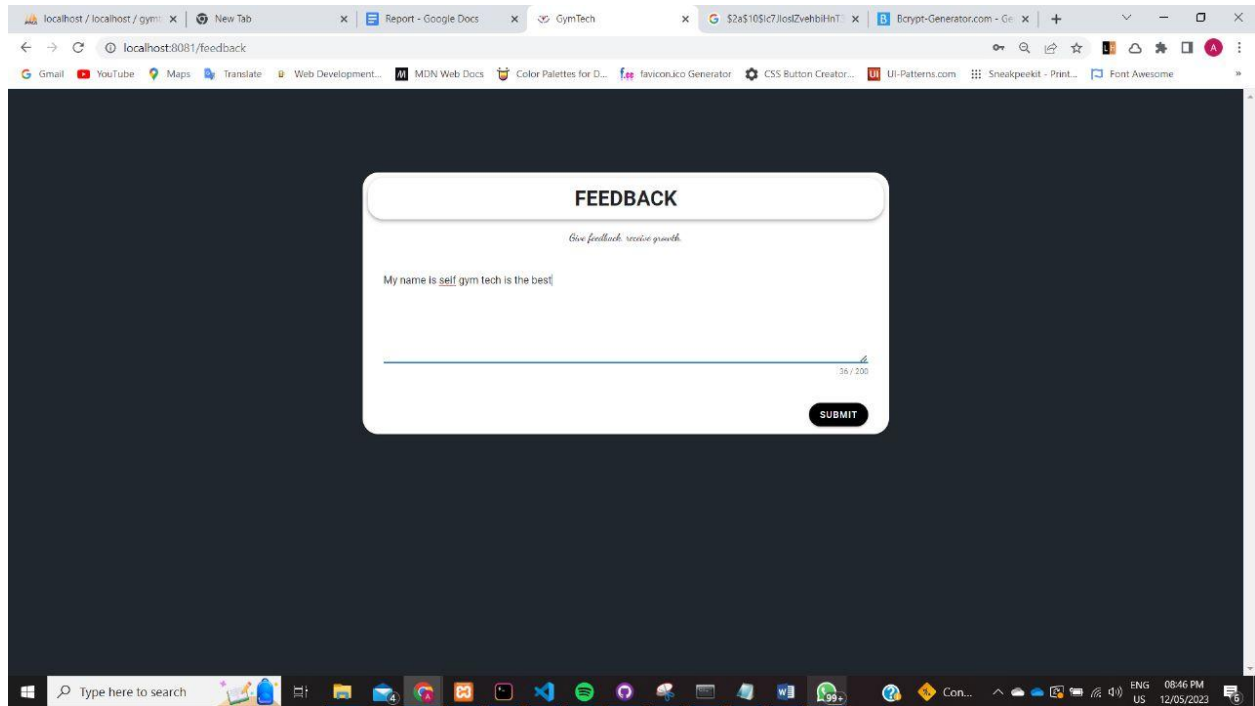
The screenshot shows the same web browser window, but now the form is fully filled with the value "12" in all weight and reps fields. A modal dialog box is displayed in the center of the screen with the following text: "User Profile", "Congratulations on completing your workout", "Your training volume is 1296", and a "GO BACK TO DASHBOARD" button. The "FINISH WORKOUT" button is still visible at the bottom right.



Trying to finish a workout with numeric fields:



Trying to add a feedback:



Feedback			
First name	Last name	Date	Review
scif	clahawy	2023-05-11	My name is self gym tech is the best
Rows per page: 10 1-1 of 1			

Trying to add a gym as an admin with empty fields:

The screenshot shows a web browser window with the URL `localhost:8081/addGym`. The page has a purple background. In the center is a white card titled "ADD GYM" with a dark header. The card contains five input fields, each with a red error message below it:

- Gym name:** "You must enter a gym name"
- Price per month:** "You must enter a price per month for the new gym"
- Location:** "location can't be empty"
- Working hours:** "Working hours can't be empty"
- GYM URL:** "image url is required"
- Rating:** "Rating can't be empty"

At the bottom right of the card is a dark button labeled "ADD GYM +". The browser's address bar shows several tabs, including "Report - Google Docs" and "GymTech". The Windows taskbar at the bottom shows the time as 08:51 PM on 12/05/2023.

Trying to add a gym as an admin with non empty fields:

ADD GYM

Gym name: Gym smouha

Price per month: 1500

location: Smouha

Working hours: 10AM-10PM

GYM URL: https://www.google.com

Rating: 4

ADD GYM +

Showing rows 0 - 4 (5 total, Query took 0.0033 seconds)

SELECT * FROM 'gym'

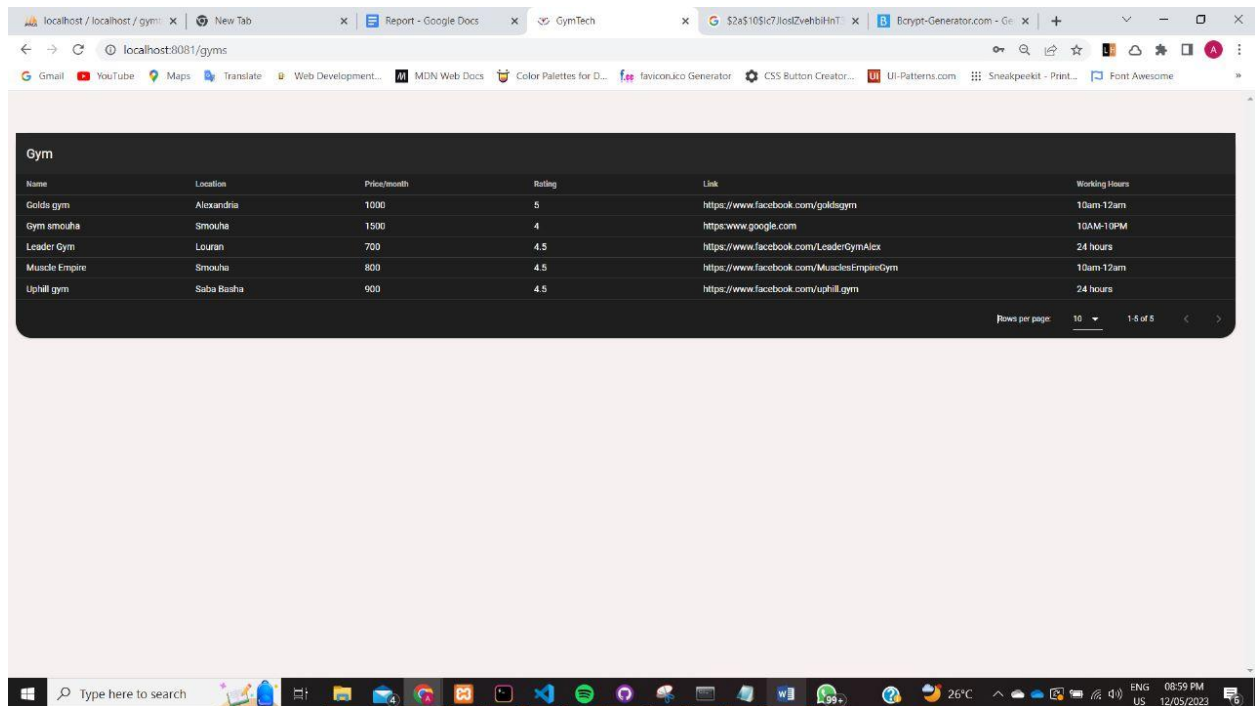
Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Bookmark this SQL query

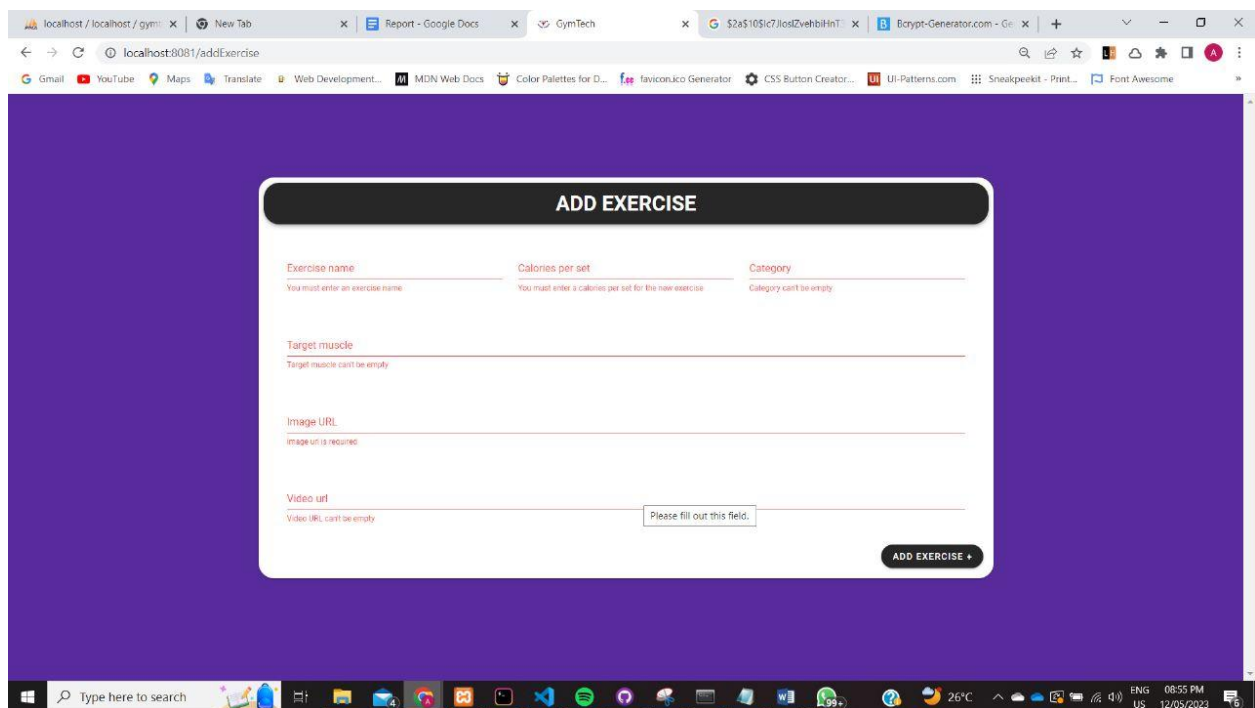
Label: ☐ Let every user access this bookmark

Bookmark this SQL query

	name	location	price/month	working_hours	rating	link
<input type="checkbox"/>	Gold's gym	Alexandria	1000	10am-12am	5.0	https://www.facebook.com/goldsgym
<input type="checkbox"/>	Gym smouha	Smouha	1500	10AM-10PM	4.0	https://www.google.com
<input type="checkbox"/>	Leader Gym	Louran	700	24 hours	4.5	https://www.facebook.com/LeaderGymAlex
<input type="checkbox"/>	Muscle Empire	Smouha	800	10am-12am	4.5	https://www.facebook.com/MusclesEmpireGym
<input type="checkbox"/>	Uphill gym	Saba Basha	900	24 hours	4.5	https://www.facebook.com/uphill.gym



Trying to add an exercise as an admin with empty fields:



Trying to add an exercise as an admin with non empty fields:

ADD EXERCISE

Exercise name: lat Calories per set: 12 Category: back

Target muscle: lat back

Image url: https://www.google.com

Video url: https://www.google.com

ADD EXERCISE +

phpMyAdmin

Database: gymtech > Table: exercise

ex_id	name	image_url	category	target_muscle	video_link	calories_per_set
5	T-bar row	https://static.stronglevel.com/images/illustrati...	back	latissimus dorsi	https://fitnessprogramer.com/wp-content/uploads/20...	60.00
6	seated cable row	https://static.stronglevel.com/images/illustrati...	back	upper back	https://fitnessprogramer.com/wp-content/uploads/20...	50.00
7	pull down row	https://thefitnessstore.com/cdn/shop/products/DLAT...	back	lats	https://fitnessprogramer.com/wp-content/uploads/20...	62.00
8	overhead triceps extension	https://static.stronglevel.com/images/illustrati...	Triceps	long head of the triceps	https://fitnessprogramer.com/wp-content/uploads/20...	25.00
9	Push down	https://static.stronglevel.com/images/illustrati...	Triceps	long head of the triceps	https://fitnessprogramer.com/wp-content/uploads/20...	30.00
10	close grip bench press	https://static.stronglevel.com/images/illustrati...	Triceps	anterior deltoids	https://www.inspireusafoundation.org/wp-content/up...	32.00
11	incline bench press	https://static.stronglevel.com/images/illustrati...	Bench	upper pasc	https://fitnessprogramer.com/wp-content/uploads/20...	65.00
12	flat bench press	https://s3assets.skimble.com/assets/2289406/image...	Bench	pectorals major	https://www.inspireusafoundation.org/wp-content/up...	65.00
13	dumbbell fly flat	https://static.stronglevel.com/images/illustrati...	Bench	anterior deltoid	https://www.inspireusafoundation.org/wp-content/up...	60.00
14	cable crossover	https://static.stronglevel.com/images/illustrati...	Bench	pectorals major muscles eternal heads	https://fitnessprogramer.com/wp-content/uploads/20...	50.00
15	push up	https://static.stronglevel.com/images/illustrati...	Bench	pectorals major muscles eternal heads	https://www.inspireusafoundation.org/wp-content/up...	55.00
16	cable lateral raise	https://static.stronglevel.com/images/illustrati...	Shoulder	the middle head of the deltoid muscle	https://www.inspireusafoundation.org/wp-content/up...	55.00
17	dumbbell shoulder press	https://static.stronglevel.com/images/illustrati...	Shoulder	Shoulders	https://fitnessprogramer.com/wp-content/uploads/20...	50.00
18	parallel bar dips	https://www.bunthelafatinescircle.com/members/imag...	Shoulder	front deltoids	https://fitnessprogramer.com/wp-content/uploads/20...	40.00
19	bicep curl	https://static.stronglevel.com/images/illustrati...	Biceps	biceps brachii	https://i.pinimg.com/originals/7d/3c/8d/7d3c8d94...	35.00
20	hammer curl	https://static.stronglevel.com/images/illustrati...	Biceps	brachioradialis	https://fitnessprogramer.com/wp-content/uploads/20...	32.00
21	spider curl	https://www.litforagame.com/wp-content/uploads/2...	Biceps	long head and short head	https://fitnessprogramer.com/wp-content/uploads/20...	30.00
22	squats	https://static.stronglevel.com/images/illustrati...	Legs	gluteus maximus	https://www.inspireusafoundation.org/wp-content/up...	70.00
23	leg curl	https://static.stronglevel.com/images/illustrati...	Legs	Hamstrings	https://www.inspireusafoundation.org/wp-content/up...	55.00
24	leg extension	https://static.stronglevel.com/images/illustrati...	Legs	quadriceps	https://www.inspireusafoundation.org/wp-content/up...	55.00
25	walking lunges	https://encrypted-tbn0.gstatic.com/images?q=tbn:AN...	Legs	quadriceps	https://fitnessprogramer.com/wp-content/uploads/20...	60.00
26	lat	https://www.google.com	back	lat back	https://www.google.com	NULL

