

Cpts 322: Software Engineering Principles I Dr. Haipeng Cai

Project Milestone 2

Coding Girls and a Manager

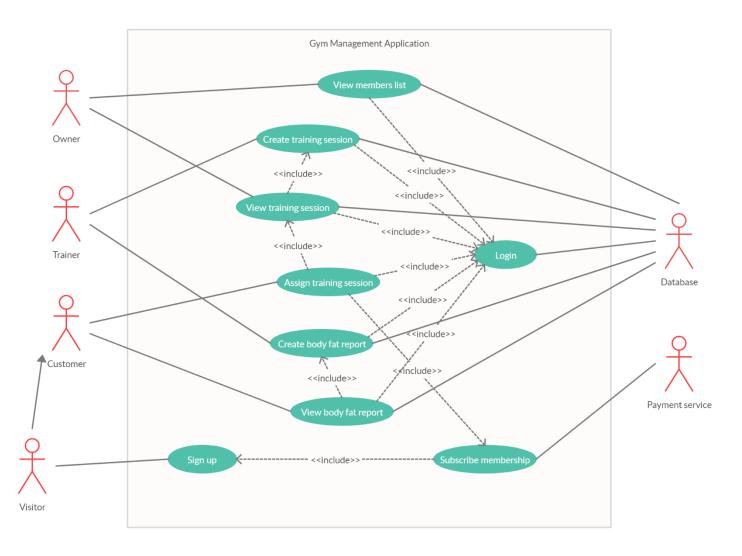
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1. Stakeholders

- Developers: As service provider of the project, developers need to implement the application depend on client demands.
- Business Owner: A client of the project who orders development services. Owner wants to manage the gym by tracking the number of users, and revenue analysis.
- Trainers and customers: the end-users who mainly utilizes scheduling services through the application.

2. Use Case Diagram (powered by Creately)



Name	View Members List
Actor	• Owner
	Database
Goal	View all gym users
Goai	Check the user's membership status.
Preconditions	Owner must be authorized at login
Scenarios	Go to the gym website and login
	Select view all membership gym users
	Notice user who has expired membership
Exceptions	Not authorized as Owner

Name	View training session
Actor	• Owner
	 Database

Goal	View all training sessions which have been activated
Preconditions	Owner must be authorized at login
	At least one training session created by trainers
	Go to the gym website and login
Scenarios	Select Trainers
	Select view training sessions
	A list of all (open and closed) sessions for each trainer will appear
	Calculate trainer incentive based on activated training sessions
Exceptions	Not authorized as Owner

Name	Create training session
Actor	Trainer
	Database
Goal	Create training sessions depending on his/her working schedule
Preconditions	Trainer must be authorized at login
	Go to the gym website and login
Scenarios	Select create training session page
	Open empty training session
Exceptions	Not authorized as trainer

Name	Create body fat report
A -4	• Trainer
Actor	Database
Goal	Create customer's body fat report
Preconditions	Trainer must be authorized at login
	Customer uses the body fat analyzer at the gym
Scenarios	Go to the gym website and login
	Select customer
	Select create body report
	Fill information in the web form
Exceptions	Not authorized as trainer

Name	Assign Training session
Actor	• Customer
Actor	• Database
Goal	Customer registers for the training session among available trainers
	Customer must be authorized at login
Preconditions	Customer must have membership
	Customer needs to view training sessions
	Go to the gym website and login
	 Find an available trainer and his/her open training sessions
Scenarios	Select the trainer and register for the training session on desired date
	and time
	Attend the training session
Exceptions	Not authorized as customer

•	Not eligible unless he/she has a membership
•	Thou eligible unless he/she has a membership

Name	View body fat report
Actor	CustomerDatabase
Goal	View customer's body report
Preconditions	 Customer must be authorized at login Trainer create body fat report
Scenarios	 Go to the gym website and login Select body fat report page Review body fat report
Exceptions	 Not authorized as customer Body fat report is not created by trainer yet

Name	Sign up
Actor	Visitor
Goal	Want to access the gym or get a membership
Preconditions	Have own Email address and phone number
Scenarios	Go to the gym website
	Sign up the website with filling up the form
Exceptions	• none

Name	Subscribe membership
Actor	Payment service
Goal	Charge the membership fee from customer
Preconditions	Have own PayPal account or valid credit card
	Redirect to payment page
Scenarios	Select membership term
	Fill in the card information
Exceptions	Customer doesn't accept the agreement

Name	Login
Actor	• Database
Goal	Give proper credential to each user
Preconditions	User data exists in database
	Login page launch up
Scenarios	Match the ID and Password
	Redirect to dashboard
Exceptions	User data does not exist in database