



Cpts 322: Software Engineering Principles I

Dr. Haipeng Cai

Project Milestone 2

Coding Girls and a Manager

11514680	Madison Jane Holcomb
11611751	Kadupitige Ashi Chamarasinghe
11625004	Sydney Erin Gormley
11628495	Navroop Kaur
11689463	Sonam Yangtso
11701083	Jongyun Kim

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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	<ul style="list-style-type: none"> Owner Database
Goal	<ul style="list-style-type: none"> View all gym users Check the user's membership status.
Preconditions	<ul style="list-style-type: none"> Owner must be authorized at login
Scenarios	<ul style="list-style-type: none"> Go to the gym website and login Select view all membership gym users Notice user who has expired membership
Exceptions	<ul style="list-style-type: none"> Not authorized as Owner

Name	View training session
Actor	<ul style="list-style-type: none"> Owner Database

Goal	<ul style="list-style-type: none"> View all training sessions which have been activated
Preconditions	<ul style="list-style-type: none"> Owner must be authorized at login At least one training session created by trainers
Scenarios	<ul style="list-style-type: none"> Go to the gym website and login 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	<ul style="list-style-type: none"> Not authorized as Owner

Name	Create training session
Actor	<ul style="list-style-type: none"> Trainer Database
Goal	<ul style="list-style-type: none"> Create training sessions depending on his/her working schedule
Preconditions	<ul style="list-style-type: none"> Trainer must be authorized at login
Scenarios	<ul style="list-style-type: none"> Go to the gym website and login Select create training session page Open empty training session
Exceptions	<ul style="list-style-type: none"> Not authorized as trainer

Name	Create body fat report
Actor	<ul style="list-style-type: none"> Trainer Database
Goal	<ul style="list-style-type: none"> Create customer's body fat report
Preconditions	<ul style="list-style-type: none"> Trainer must be authorized at login Customer uses the body fat analyzer at the gym
Scenarios	<ul style="list-style-type: none"> Go to the gym website and login Select customer Select create body report Fill information in the web form
Exceptions	<ul style="list-style-type: none"> Not authorized as trainer

Name	Assign Training session
Actor	<ul style="list-style-type: none"> Customer Database
Goal	<ul style="list-style-type: none"> Customer registers for the training session among available trainers
Preconditions	<ul style="list-style-type: none"> Customer must be authorized at login Customer must have membership Customer needs to view training sessions
Scenarios	<ul style="list-style-type: none"> Go to the gym website and login Find an available trainer and his/her open training sessions Select the trainer and register for the training session on desired date and time Attend the training session
Exceptions	<ul style="list-style-type: none"> Not authorized as customer

	<ul style="list-style-type: none"> Not eligible unless he/she has a membership
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Name	View body fat report
Actor	<ul style="list-style-type: none"> Customer Database
Goal	<ul style="list-style-type: none"> View customer's body report
Preconditions	<ul style="list-style-type: none"> Customer must be authorized at login Trainer create body fat report
Scenarios	<ul style="list-style-type: none"> Go to the gym website and login Select body fat report page Review body fat report
Exceptions	<ul style="list-style-type: none"> Not authorized as customer Body fat report is not created by trainer yet

Name	Sign up
Actor	<ul style="list-style-type: none"> Visitor
Goal	<ul style="list-style-type: none"> Want to access the gym or get a membership
Preconditions	<ul style="list-style-type: none"> Have own Email address and phone number
Scenarios	<ul style="list-style-type: none"> Go to the gym website Sign up the website with filling up the form
Exceptions	<ul style="list-style-type: none"> none

Name	Subscribe membership
Actor	<ul style="list-style-type: none"> Payment service
Goal	<ul style="list-style-type: none"> Charge the membership fee from customer
Preconditions	<ul style="list-style-type: none"> Have own PayPal account or valid credit card
Scenarios	<ul style="list-style-type: none"> Redirect to payment page Select membership term Fill in the card information
Exceptions	<ul style="list-style-type: none"> Customer doesn't accept the agreement

Name	Login
Actor	<ul style="list-style-type: none"> Database
Goal	<ul style="list-style-type: none"> Give proper credential to each user
Preconditions	<ul style="list-style-type: none"> User data exists in database
Scenarios	<ul style="list-style-type: none"> Login page launch up Match the ID and Password Redirect to dashboard
Exceptions	<ul style="list-style-type: none"> User data does not exist in database