

**Capping CS/IT/IS Project  
CMPT 475-200**

**Homework 1**

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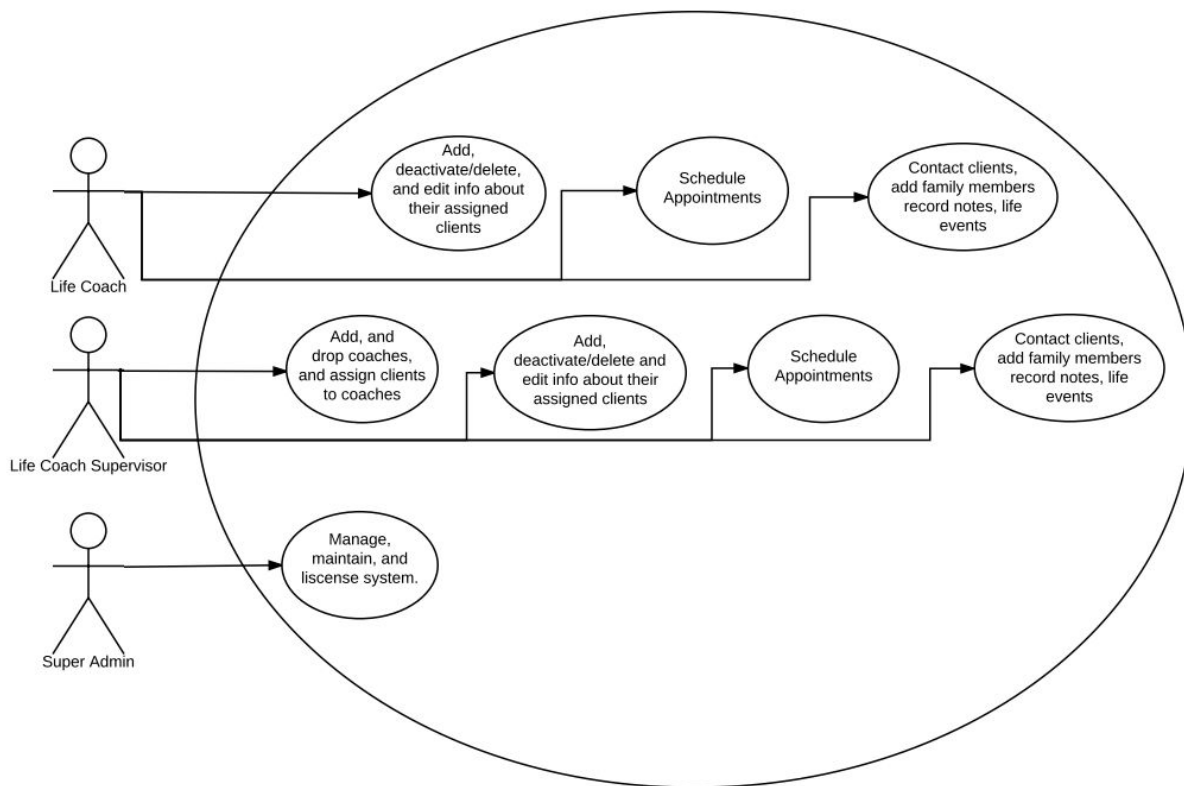
# Project Plan

Week	Requirements	Development	Testing	Members
1	Gather Requirements	Go over project overview and client expectations. Create questions based on project overview.		All
2	Gather Requirements	Create Status Report for following class. Organizes weekly updates with team to ensure requirements are met, and productivity is high. Ensure detailed documentation is completed weekly as development continues.		All Brad Brad
3	Create use cases Create Database File  Homework 1 due	Create UML Diagram & documentation. Create User Requirements based on client question panel and project overview. Create PHP file that has connection string & function call for Database. Continue Documentation and Requirement Gathering.		All  Chris  Brad All
4	Create website framework. Create website design/UI prototype. Create ER Diagrams.  Homework 2 due	Create basic website in PHP. Create website design/UI prototype mockups. Create ER Diagram. Set up virtual environment. Apply design standards to website design/UI prototype mockups. Implement UI mockups in website prototype.		Chris All Patrick Patrick Brad Marisa, Jacob, Chris All
5	Begin work on basic functionality of website and features  Homework 3 due	Finalize website UI mockups.  Compare mockups to client specifications.		Marisa, Jacob, Chris  Brad  All
6	Final Project Plan & UML Diagrams	Ensure team is staying on track with plan while providing realistic expectations to the client and constantly updating Project Plan.		Brad
		Finalize Project Plan based on updates and instructor feedback. Finalize UML Diagrams. Continue work on website functionality and features.		Patrick Marisa, Jacob, Chris
7	Database Design Draft Due	Create database design draft. Implement database design standards to draft.		All
8	Initial Peer Reviews Due	Individually Complete first round Peer Reviews. Revisit database architecture and prepare prototype for production.	Test overall website functionality.	All Chris, Marisa, Jacob
9	IT Requirements Draft Due	Revisit database architecture and prepare prototype for production. Team meeting to finish draft of IT requirements & network design.		Chris, Marisa, Jacob Brad, Patrick
10	Complete Database Prototype  Homework 4 Due	Complete Database Prototype. Ensure work is being completed on time in order to be ready for the demo in week 11.		Chris, Marisa, Jacob Brad  All
11	Demo of Prototype prepared	Provide a demo of a functioning prototype website.		All
12	Prototype Testing and Client User Validation Testing and Documentation	Test website functionality and connectivity to server database. Verify UI elements are functioning properly.  Document user validation testing.	Be able to fully test the prototype.  User validation tests to be performed by client.	All  All Brad
13	Continue testing  Client Visit	Continue testing from Week 12.  Update user validation testing documentation as required. Create list of questions for client and ensure proper documentation of requirements which are being met / not met.	Continue user validation testing and make updates to testing as required.	All  Brad

14	Draft Documentation Completed  Draft Final Paper Complete Draft Presentation	Ensure proper documentation has been completed throughout the development process. Finish Drafting Project Paper. Begin Drafting Presentation.		All
15	Final Paper, Documentation, and Peer Evaluations	Finished project paper due. Finish Peer Evaluations. Finish Presentation and begin practicing for Final Presentation in week 16.		All

## Use Case UML Diagram

**UML Use Case Diagram - True Course  
Life Coaching System**



## Use Case Documentation

### Actors:

- Life Coach
  - Can add new, add/edit info about, add/update related family members, and drop/delete clients who are assigned to them.
  - Can view all clients.
  - Can record life events for clients.
  - Can schedule appointments with clients.
  - Call and record notes about clients.
- Life Coach Supervisor
  - Can add new, add/edit info about, add/update related family members, and drop/delete clients who are assigned to them.
  - Can view all clients.
  - Can schedule appointments with clients.
  - Can add and drop coach profiles.
  - Can assign/re-assign clients to coaches.
- Super Admin
  - Make changes to maintain and update the system.
  - Manage the various components of the system.
  - Do other owner level tasks.
  - Can license system.

## User Requirements

### Project Objective

1. Create a System for Life Coach to keep track of their clients and their clients lives/families/issues/goals/achievements/coping mechanisms/life events/hobbies/favorite foods/notes about meetings
2. Create this system with the ability to license out to other life coach companies (including basic customization).
3. Set a hierarchy tree for coaches, supervisors and admins.

### Client Profile

1. Basic functions of the system include client scheduling, recording meeting notes, reminders, client phone calls, client profile organization, family tree, and remembering client life events.
2. A quick view page for all clients with basic client info, a family tree and the most recent interaction with the client.
3. The data gathered on a client will also be gathered on their family members.

### **Coach Responsibilities**

1. Coaches can view all clients, set appointments, edit client profiles.
2. Can schedule appointments with clients.
3. Add and maintain client info

### **Supervisor Responsibilities**

1. Supervisors are coaches & have coach responsibilities.
2. Supervisors can reassign coaches to clients.
3. Supervisors can add & remove coaches.
4. Add / remove supervisors

### **Super Admin Responsibilities**

1. Make changes to maintain and update the system.
2. Manage the various components of the system.
3. Will be able to license product.

### **Technical Requirements**

1. Security should be high priority as many of the clients are VIPs.
2. HTML5 & CSS3 will be used for a mobile-friendly website.
3. Handle 10 Million users, 1,000 concurrently.
4. System will be compatible with a LAPP server. (Linux Apache PostgreSQL PHP).
5. Website should run HTTPS.

### **Client Interview Questions**

- These questions have already been answered by our client, and answers can be found in the user requirements, additional questions will be added as they become available.
1. Are there visual design standards?
  2. Are there design standards for the database?
  3. Who will be touching the system?
  4. What are the basic system requirements and functions?
  5. Will the users have different permissions?
  6. What can a client do on the site?
  7. What system is currently in use?