

# CSC309 Assignment 4 Part 1

## Fitness Connection

Discover the perfect personal trainer for you

### Team members

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### Description

Fitness Connection is a service which connects personal trainers to individuals who want to work out and live a healthier lifestyle. Lately with the boom of the health and fitness trend, there has been an increase in supply of personal trainers as well as an increase in supply of individuals looking to improve their workouts and live a healthier lifestyle. Moreover, the demand for gyms and organizations looking to hire personal trainers hasn't increased as much as the supply. As a result there are a lot of personal trainers who cannot get hired and are now looking towards freelancing in order to sustain themselves. In addition, since the number of personal trainers is limited in gyms and organizations, it has become difficult for individuals looking to hire a personal trainer to actually hire one from their respective gym because their gym's trainers' time is limited. As a result, they are trying to find alternative ways to hire personal trainers. This is where Fitness Connection shines as they remove the middleman (the gyms and organizations), and provide a platform and collaborative online community for freelance personal trainers and individuals looking to work out to connect. Moreover, Fitness Connection is an example of a sharing economy as it is a peer-to-peer based sharing of access to services through a collaborative online platform.

### How it Works

Fitness Connection is an online service which connects personal trainers to individuals who want to work out and live a healthier lifestyle. For simplicity, we identify the individuals who want to work out as "athletes". Fitness Connection will initially allow any individual to log in and sign up to the service. When they initially sign up, they can indicate whether they are an athlete or a personal trainer on their user profile. If the user is a personal trainer, they can customize their profile by adding an abundance of information about themselves, such as their experience, resume, availability, booking price, and more. If the user is an athlete they have the option to add very basic information about themselves, such as their image, name, location, and description. To browse and search for potential personal trainers to connect with, the user can do so through the home page where they will see a list of recommended personal trainers near them. In addition, the user also has the option to search for personal trainers by typing in keywords in the search bar at the top of the page. Searching in here and clicking the search button will open up a search results page to help you easily find the personal trainer you're looking for. When and if a user identifies a personal trainer that they want to learn more about and possibly connect with, they can click on their name and they will be navigated to the

personal trainer's respective profile. There they can see an abundance of information about the personal trainer, such as experience, user rating, booking price, time availabilities, and more. Moreover, they can also read reviews and user ratings created by other athletes for the personal trainer. This will give a better depiction of how "good" that personal trainer is and will help the athletes make a better decision on whether or not to purchase a session with the trainer. If the user wants to move forward and book a session with the personal trainer, they can click the "Book Now" button at the top of the profile page. This will lead them to a new page where they will select a date and time, and then enter their credit card information to purchase the session. In addition, users can write a review about a personal trainer at the bottom of that respective trainer's profile if they so desire.

## **Challenges for Fitness Connection**

As mentioned before, freelance personal trainers can struggle to find clients and athletes can struggle to find the right personal trainer for them. While it is easy to find personal trainers online, many athletes would prefer to speak with the personal trainer in person and/or see what type of regime/service they have to offer. This is because it gives the athletes a good idea of what type of workouts they'd be getting into and how the personal trainer would actually train them. Another problem and concern is if personal trainers or individuals try to provide false representations of themselves online. For example, a personal trainer may be motivated to exaggerate some of their credentials and experience, and entice their friends to provide positive reviews of them. This could lead to an inaccuracy of their profile which would deceive athletes. Another issue is the reliability of the service. Since this is purely a service to connect individuals, when those individuals meet in the real world there could be altercations. For example, if one member of the party doesn't show up at the pre agreed time, or if a personal trainer doesn't live up to what they portrayed online.

## **Our Project**

Our team is in charge of designing and developing a fully functional web application for Fitness Connection. In addition to the frontend related features outlined in our HTML, CSS, and JavaScript mockups submitted, we have compiled a list of components and features that our system should support. Beside each feature is the name of the team member responsible for implementing it. Please note that feature allocations can change in the future.

## **User Authentication and Authorization**

### **Landing Page (Hoang Minh Le)**

Will contain a nice banner and information about our service and provide a way for users to login or sign up to the service.

### **Login Modal (Hoang Minh Le)**

Registered users can use this to login to the website. Users can login with their username and password. There will be a login button. Users can also choose to login through the 3rd party authentication we provide via Google+ or Facebook. If users don't have an account, they can click the "No account yet? Sign up here" button.

### Sign Up Modal (Hoang Minh Le)

Non-registered users can use this to sign up and login to the website. Users will need to provide a username they would like to use, a password they would like to have associated with their account, a confirmation of password, their email, and location. Users can also choose to sign up through the 3rd party authentication we provide via Google+ or Facebook. There will be a "Sign up" button.

### Authentication Method (Adam Wong)

The way we will authenticate users is through a two way matching process. This will entail comparing the username and password provided with the ones in our system.

## Profiling for Social Network & Rating, Commenting, Booking, and Other User Interactions

Each user in our system will have their own profile page, which is a collection of personal data associated with that user.

### Individual User Profile Page (Nidhi Kantak)

This allows users to view more detail about a specific personal trainer/athlete. There will be a picture of the individual, the individual's name. There will also be the individual's fitness keyword preferences. If the profile page is yours, there will be an option at the top to edit the page.

If the individual is a personal trainer:

- It will show their user-rating, the number of reviews they have, short description, available times, preference tags, and price.
- There will also be a message button which will allow the user to email the personal trainer.
- A book now button which will navigate to the "Book Personal Trainer" page.
- The personal trainer's resume will also be displayed in the main body of the page.
- The reviews for the personal trainer will be placed underneath the personal trainer's resume.
- A comment section will be underneath the reviews which will allow users to write a review about the personal trainer. In order for someone to comment, users will need to rate the personal trainer on a scale of 1 star to 5 stars and provide a comment/review. The rating will contribute to the personal trainer's overall rating. The rating will be calculating as an average.

If the individual is an athlete:

- It will show their name, a short description, preference tags, their image, and their recent activity.

### User Customization Page (Nidhi Kantak)

This page will look exactly like the Individual User Page but will have all the fields editable. It will have a save button to save any changes, or a cancel button to cancel any changes. These will be at the top of the page. It will be accessible by clicking your user profile button at the top right of the page.

## Implicit Social Networking (Nidhi Kantak)

Fitness Connection creates an implicit social network comprised of athletes and personal trainers. Throughout the platform, both types of users can interact with each other through the many features available. Features such as commenting, reviewing, booking sessions, emailing, viewing profiles, etc.

## Booking Page (Adam Wong)

This page will allow an individual to book a session with the personal trainer. On this page, the user will be asked to input a date and time they would like to book a session with the personal trainer. When the user inputs a date and time, our system will initially check to make sure that that time slot is available. In addition, the user will be required to enter their credit card information in order to complete the purchase of the session. Once the user completes the transaction, they will receive a confirmation email notifying them of their purchase.

## Search and Recommendation System

### Home page (Zain Manji)

Allows logged in users to see the most popular personal trainers in their Province/State. In the main body of the page, there will be rows of personal trainer cards. Each row, will contain a card, which will contain a picture of a personal trainer, the personal trainer's name, user-rating, short description, the number of reviews they have, and price. In addition, it will contain a view profile button and a book now button. The view profile button will navigate to the personal trainer's individual page. The book now button will navigate to the personal trainer's respective "Book Personal Trainer" page. We will order the recommended trainers on the home page using a smart, recommendation system which will incorporate the user's personal data and preferences to the personal trainers with similar data and preferences.

### Navigation/Header bar (Zain Manji)

At the top of every page except the Landing page will be a navigation/Header bar. At the top left of the this bar will be a logo of our service. If you click on this logo it will navigate to the Home Page (in this case, refresh the page). At the top middle of the page, there is a search bar and search button. The search bar and button will allow users to search for personal trainers, either by keywords or other queries they might have. It will navigate to the Search Results page if a user clicks the search button. At the top right of the page, there is an image of the user, which if you click, will navigate to the user's profile. At the top right of the page as well, there is a logout button which will log the user out of the website and navigate them to the landing page if clicked.

### Search Results Page (Zain Manji)

The Search Results Page will look very similar to the home page. The only difference is that the trainer's being shown were ones closely related to the search query entered by the user. The search results will be order from closest related to least closest related. When searching for closely related trainers, we will use a smart search recommendation system which will incorporate the searcher's

personal data and preferences to the query they entered. We will try to match these preferences to personal trainers in our system.

### Admin page (Adam Wong)

The Admin Page will allow the administrator to change the password of users, deleting or updating specific information or users, and initializing/repopulating the database.