INET 2005 FINAL PROJECT

FITNESS CLUB MANAGEMENT SYSTEM

Assignment Value: 40% of overall the course mark.

Due Date: **29th Nov (**See due date designated on the assignment on D2L.)
Late submissions will receive the standard late submission penalty as stated in the course outline. (5% overall deduction per day late)

Assignment Instructions:

Use any IDE editor to create an application (using Java, CSS, JS, and HTML files) in which you'll write the solution for the given problem.

Submissions:

You will submit your work for this assignment via GitHub. A GitHub Repo should include all required files along with screenshots. **You must upload the solution to the public GitHub repo.**

Evaluation:

To ensure the greatest chance of success on this assignment, be sure to check the marking rubric contained at the end of this document or in D2L. The rubric contains the criteria your instructor will be assessing when marking your assignment.

Final Project: Fitness Club Management System

Physical fitness is to the human body what fine-tuning is to an engine. Regular exercise and physical activity promote strong muscles and bones. It improves respiratory, and cardiovascular health, and overall health. Staying active can also help you maintain a healthy weight, reduce your risk for type 2 diabetes, heart disease, and reduce your risk for some cancers. Fitness can be described as a condition that helps us look, feel and do our best. Many people join the gym to remain physically fit. This website will help people to get registered and choose a trainer. In this system, there are three entities namely Admin, Member and Trainer. Admin can log in and add new members. Admin can also delete the members who left the gym. Admin will add a new trainer, Update the information of the trainer, and delete the trainer. Admin can also modify members' data and trainers' shifts. Members can log in using credentials and check the schedule. Trainers can log in and mark the attendance of the members.

Requirements: -

1. Admin:
   - Login: Admin can log in using credentials.
   - Add member: Admin can add a new member.
   - Delete member: Admin can delete unwanted members.
   - Add Trainer: A new trainer can be added.
   - Delete trainer: Unwanted trainers can be deleted.
   - Modify Member Data: The admin will modify the data of members.
   - Modify Trainers' Shift: The admin will modify trainers' shifts.

2. Member:
   - Login: Member can log in using credentials.
   - Schedule: Member can log in to check the schedule.

3. Trainer:
   - Login: The trainer can log in using credentials.
   - Attendance: The trainer can mark the attendance of the members.
   - Schedule: Trainer can log in to check the schedule.

Your solution must contain examples demonstrating your understanding of the appropriate use of Java/Spring language concepts.

Submission: -

As part of this final project, please follow the below checklist while submitting.

- Source Code on GitHub
- Screen Recording to explain the system workflow.
- Presentation to explain your solution.

Program 1 – Fitness Club Management System

Criteria	Insufficient (0 pts)	Needs Development (3-5 pts)	Sufficient (7 pts)	Excellent (10 pts)	Mark
Submissions: GitHub Source Code & Screen Recording	• Little to no effort was made or contains too many errors/omissions.	• A reasonable effort was made, but there are multiple areas for improvement.	• A good effort was made, but at least one error or omission exists.	• An extended effort was made, and go beyond the mentioned requirement.	
In-code Documentation & Code Quality	• Little to no effort was made or contains too many errors/omissions.	• A reasonable effort was made, but there are multiple areas for improvement.	• A good effort was made, but at least one error or omission exists.	• An extended effort was made and go beyond expectations. Also demonstrated a strong understanding of the in-code documentation and code quality.	
System Design & Solution: Dynamic Input/Output, Fulfill all the mentioned requirement	• Little to no effort was made or contains too many errors/omissions.	• A reasonable effort was made, but there are multiple areas for improvement.	• A good effort was made, but at least one error or omission exists.	• An extended effort was made and go beyond the mentioned requirement. Also demonstrated a strong understanding of the solution design.	
Java Language/Spring Concepts: Variables, Datatypes, Logic control statements, GET, POST, Forms, Functions and a lot.	• Little to no effort was made or contains too many errors/omissions.	• A reasonable effort was made, but there are multiple areas for improvement.	• A good effort was made, but at least one error or omission exists.	• An extended effort was made and demonstrated a strong understanding of the framework language concepts.	
				Total:	**/40**

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