

Case #1

Reported by: Timothy Lai

Date Reported: March 16, 2023

Program: GymManagementSystem

Release Number: Iteration 2

Configuration: Java 18.0.1.1 on Windows 11 Pro

Report Type: Requirements Issue

Can Reproduce: Yes

Severity: High

Priority: High

Problem Summary: Iteration 1: Big Story 3. Inventory system doesn't exist. As an admin I cannot see what equipment exists.

Problem Description: The big user story 3 from iteration 1 doesn't seem to be implemented. I can't find a way to access see/modify the equipment when logged in as the admin page or anywhere else in the app.

Suggested Fix: Add the inventory system in the admin/manager page.

<https://github.com/Wenxuye6/EECS3311-Project/issues/1>

Case #2

Reported by: Timothy Lai

Date Reported: March 16, 2023

Program: GymManagementSystem

Release Number: Iteration 2

Configuration: Java 18.0.1.1 on Windows 11 Pro

Report Type: Coding Error

Can Reproduce: Yes

Severity: low

Priority: low

Problem Summary: Member's BMI is not calculated when height and weight are both filled in. Requires the user to manually fill in their BMI.

Problem Description: When logged in as a member going into the personal info tab. I would fill out the height and the weight but the BMI still remains at "0.0". I can enter in the BMI manually but the story in Iteration 1 suggests that this would be automatically calculated for the user. This also occurs when logged in as a coach, front desk, and janitor.

Suggested Fix: When the user fills out their height and weight the app should automatically fill out the BMI when the changes are confirmed.

<https://github.com/Wenxuye6/EECS3311-Project/issues/2>

Case #3

Reported by: Timothy Lai

Date Reported: March 16, 2023

Program: GymManagementSystem

Release Number: Iteration 2

Configuration: Java 18.0.1.1 on Windows 11 Pro

Report Type: Coding Error

Can Reproduce: Yes

Severity: High

Priority: high

Problem Summary: Enrolling a course does not deduct the funds from the user's account.

Problem Description: When logged in as a member and setting my funds to 100, after adding a course with a cost of 25 the funds value is still 100. Furthermore, there doesn't seem to be any checks if the member has no money but still tries to add a course.

Suggested Fix: Before enrolling them in the course just an if-check to see if they have enough money, and if they do deduct it from their account.

<https://github.com/Wenxuye6/EECS3311-Project/issues/3>

Case #4

Reported by: Timothy Lai

Date Reported: March 16, 2023

Program: GymManagementSystem

Release Number: Iteration 2

Configuration: Java 18.0.1.1 on Windows 11 Pro

Report Type: Coding Error

Can Reproduce: yes

Severity: High

Priority: High

Problem Summary: All members have the ability to see and change all other member's coaches.

Problem Description: If member "A" signs up for a course and selects coach "C1" for that course, member "B" can modify that coach to coach "C2" in the 'class schedule' page. It can also end up cluttering the UI since each user would have to look through the entire list and find their name to pick a coach.

Suggested Fix: Maybe only show the added courses for each member. If a member doesn't have any added courses it shouldn't show anything in the 'class schedule' page. And if a member does have courses it should only show the courses they picked.

<https://github.com/Wenxuye6/EECS3311-Project/issues/4>

Case #5

Reported by: Timothy Lai

Date Reported: March 16, 2023

Program: GymManagementSystem

Release Number: Iteration 2

Configuration: Java 18.0.1.1 on Windows 11 Pro

Report Type: Design Issue

Can Reproduce: N/A

Severity: high

Priority: high

Problem Summary: Using the type Object in code.

Problem Description: In various classes the type Object was defined throughout the project. The typing Object is extremely dangerous as the type can be anything, and defies OOP principles. For example, in WorkDAO.java in the getWorkArrayListByName(String account) method, it returns a 2D array of type Object.

Suggested Fix: I suggest changing the architecture to prevent the use of the Object type.

<https://github.com/Wenxuye6/EECS3311-Project/issues/5>

Case #6

Reported by: Timothy Lai

Date Reported: March 16, 2023

Program: GymManagementSystem

Release Number: Iteration 2

Configuration: Java 18.0.1.1 on Windows 11 Pro

Report Type: Design Issue

Can Reproduce: N/A

Severity: low/med

Priority: low

Problem Summary: Undescriptive variable names

Problem Description: In various classes in the view package, variable naming should be more descriptive. Naming variables "jtf1", "jtf2", "jtf3", "jtf4", etc. This substantially hurts maintainability as it doesn't tell the developer any information about the variable. More evident as there are comments in the initFrame() method (in AddMemberFrame.java) which describe which each variable is.

Suggested Fix: Change the variable names to be more descriptive in what they represent.

<https://github.com/Wenxuye6/EECS3311-Project/issues/6>