Planning Ducument

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Outline

1. Vision Statement

Gym Fitness Courses Enrollment and Membership Management

The project aims to create software that helps more people understand fitness classes, providing an online operating platform for all fitness enthusiasts. The target users are both gym memberships and the gym staff. The app should allow memberships to log in through the membership portal, while the gym staff will be given passwords and account names to log in as administrators for management purposes.

One goal of the project is to provide memberships information for courses they can take in the gym. Once they tap into a course, the course's description, schedule, price, and general information about the coach shall be displayed. Once the course is successfully enrolled, the training schedule is automatically generated. Users can view their schedules at "My courses". They can also add, remove or transfer a course. The project allows gym staff to modify the coach and memberships. The list of gym memberships and coaches can be visited on the main page. After clicking into a membership or coach, his or her basic information, funds, or salary remaining in the account, the course that's currently taking should be presented. The gym staff can add a new membership or remove a current one. Also, the project enables gym staff to manage equipment. A list of equipment is shown on the main page. Gym staff can check the number of equipment the gym currently has, the purpose of the equipment, the current market price of this type of equipment, and the number of damaged equipment by clicking on it. Gym staff can modify the number of equipment if new equipment has arrived or the old ones are broken.

The pre-release is software on windows. The database is randomized by the design team for testing purposes. Later extensions will include a social page for membership posting their gym pictures. The app version of the software will be available on iOS, too.
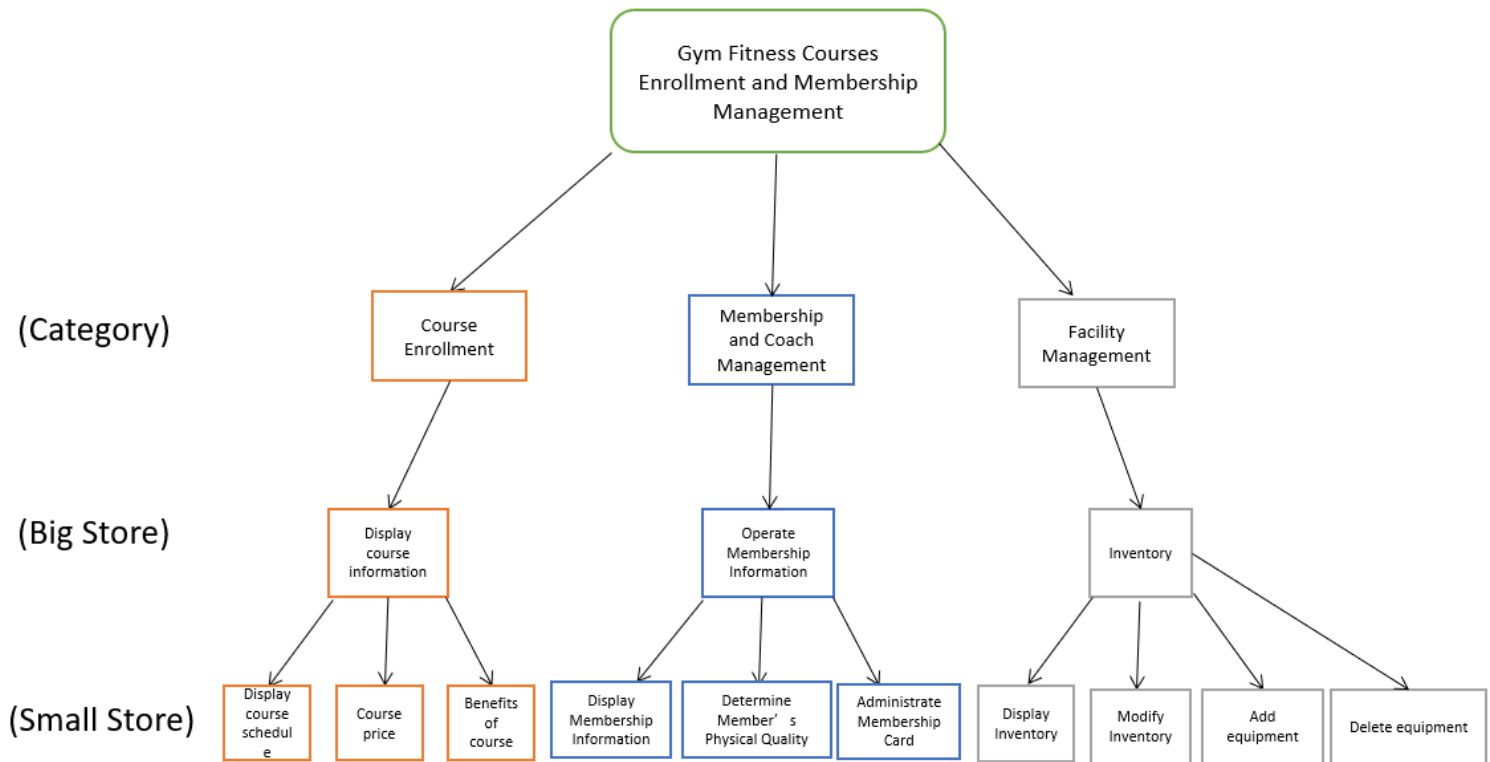
The first selling point of the project is an up-to-date database. The system is utilized by memberships, the gym staff, and equipment managers at the same time. Any update from the membership can be seen by staff members immediately so that all the information in the system is fresh. Secondly, the project design greatly focuses on privacy. No one else without the password can log in as an administrator. Membership is not allowed to view any information about other memberships too. Last but not least, as the inventory system monitors the situation of the equipment, all equipment will be under the usage limit. Besides, gym staff does rounds multiple times a day to make sure the equipment is safe. So, memberships can give their full trust while using them. There will be zero problems regarding safety issues.

This system will be considered efficient and useful based on several criteria. First, after using the system for a while, we observed the number of gyms registered compared to the numbers before using the system. Then, we send users a bonus survey within the system that allows them to rate our system and ask them a few questions, about whether they get the information more quickly, and have a better experience by using this new management system. Finally, we compare the maintenance cost of the system with the cost before using this system. If the annual expenses are reduced and the number of clients has increased, the system will be considered a success.

To conclude, the project is designed for the management of the gym's equipment, memberships, and course enrollments. It mainly guarantees members' privacy and safety. The project can be considered as successful if it reduces the maintenance costs but increases the total number of memberships.

2. Big user stories

Here is a diagram for big users stories and detailed user stories we are going to implement in iteration 1. We include a draft of the user stories below as well.

a. category 1: course enrollment
   i. big story 1:Display course information

-small story1:Display course schedule

Display course schedule

Display the date, duration, and arrangement of courses.

Priority: high   Cost: 4 days

-small story2:Course price

Course Price

Show the normal price and the promotion price of Courses

Priority: medium   Cost: 2 days

-small story3:Benefits of course

Benefits of Courses

Show the benefits of taking different Courses.

Priority: medium   Cost: 1 days

ii.   big story 2:Personal training courses

-small story1:Information of coaches

-small story2:Meal plan

-small story3:Exercise plan

iii.   big story 3:Course management

-small story1:Add course

-small story2:Delete course

-small story3:Transfer course

b. category 2: membership and coach management

i. big story 1: Operate Membership Information

Management: Big Story 1: Operat Membership Information

As a member of the fitness, I want to be able know all the detail about my membership card online.

Priority: High   Cost: 7 days

-small story 1: Display Membership Information

Small Story ① : Display Membership Information

Display member's general information including Height, BMI, Name, Email. Time expiration and so on.

Priority : High   Cost: 2 days

-small story 2: Determine Member's Physical Quality

Small story ② Determine Member's Physical Quality

Analyze and update periodically member's physical indexes.

Priority: High   Cost : 3 days

-small story 3: Administrate Membership Card

Small Story ③: Administrate Membership Card

Making the card style and version and continuously
rigister new membership or remove the membership.

Priority: Medium   Cost: 2 days

    ii. big story 2: Operate Coaches Information

        -small story 1: Display Coaches' Information

        -small story 2: Determine Coaches' Physical State

        -small story 3: Display Coaches' Working State

        -small story 4: Administrate Coaches's System

    iii. big story 3: Operation of managers Permissions

        -small story 1: Edit all Members and Coaches' Information

        -small story 2: Display the Cash Flow

        -small story 3: Pay the Staffs Salary

c. category 3: facility management
    i.   big story 1:Inventory

-small story1:Display Inventory

-small story2:Modify Inventory

-small story3:Add equipment

-small story4: Delete equipment

Delete equipment

Delete equipment that exist in inventory and all their information

priority : medium   cost : 1 days
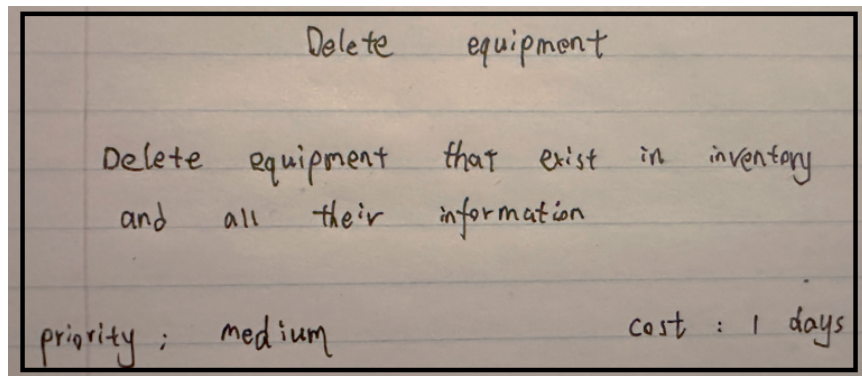
ii.   big story 2:Equipment Information

        -small story1:General Equipment description

        -small story2:Display equipment information

        -small story3:Equipment price

iii.   big story 3:Equipment Management

        -small story1:Display In-use equipment

        -small story2:Customer Equipment Needs

        -small story3:Damaged equipment