Planning Ducument

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1. Vision Statement

Gym Fitness Courses Enrollment and Membershiup

The project aims to create an app that helps more people understand fitness classes, providing an online operating platform for all fitness enthusiasts. The target users are both memberships of the gym 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 of courses they can take in the gym. Once they tap into a course, the course's description, schedule, price and general information of 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. Project allows gym staff to modify the coach and memberships. The list of membership 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, 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 utilities. 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 into the equipment. Gym staff can modify the number of equipment if new equipment has arrived or the old ones are broken.

In convenience perspective, this system is utilized by memberships,the gym staff and managers at the same time. Any update from the membership can be seen from staff members immediately, so that all the information in the system is up-to-date. More importantly, Privacy and safety. It is impossible for anyone else without the password to log in as administrators. Membership is not allowed to view any information about other memberships too. We promise our database can protect our clients information very well. Besides, as the utility system monitors the situation of the equipment, membership can give their full trust while using them. Last but not the least, our system must be the most suitable system to control and handle the profits and deficits. At the same time, managers can clearly to brianstorm more various beneficial events or the rules to administrate the whole company(Gym).

This system will be considered efficient and useful based on several criteria. First, after using the system for a period of time, we observed the numbers of gym 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 few questions, whether they get the information more quickly, having 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.

2. Big user stories

In interaction 1, we will implement the big user story of

a. category : course

   i.   big story 1:Display course information

> View General Course Information
>
> As a client, I want to view a list of courses and its description so I can find out which course is good for me
>
> Priority : high   Cost : 7 days

-small story1:Display course schedule

> Display course schedule
>
> Display the date, frequency, duration of all courses, and the limitation of course
>
> 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: management

i. big story 1: Operate Membership Information

-small story 1: Display Membership Information

-small story 2: Determine Member's Physical Quality

-small story 3: Administrate Membership Card

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

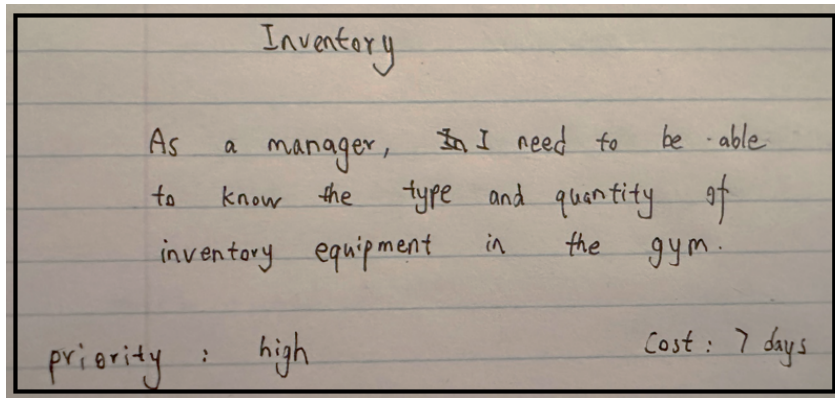iii. big story 3: Operation of managers Permissions

-small story 1: Edit all Members and Coaches' Information
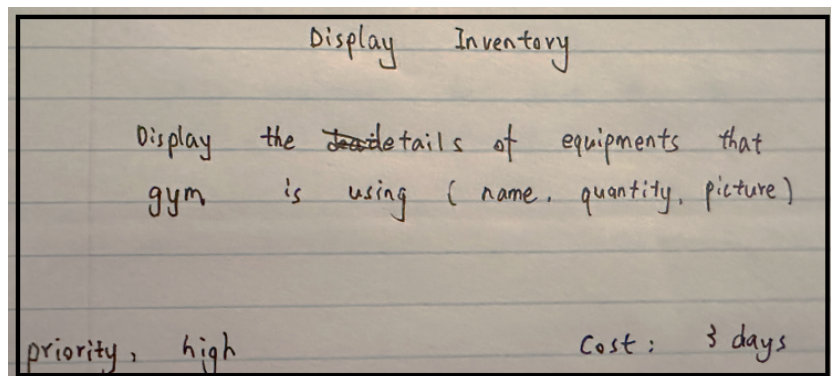
-small story 2: Display the Cash Flow

-small story 3: Pay the Staffs Salary
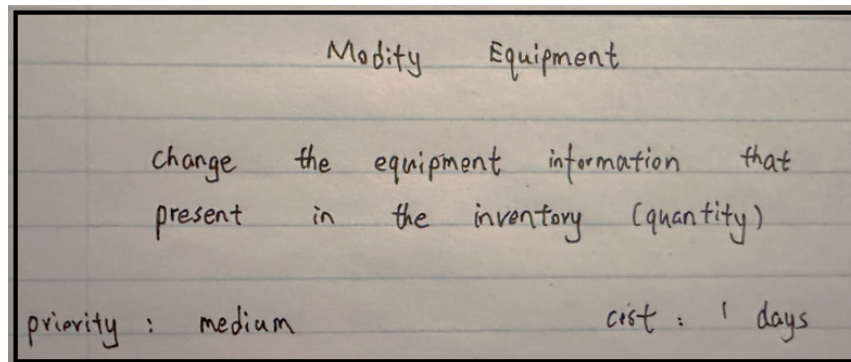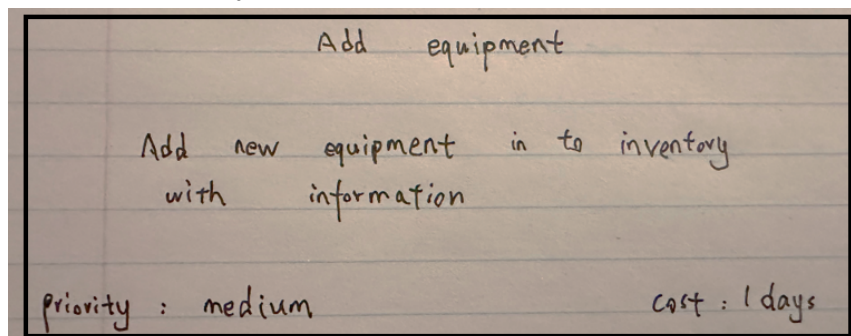
c. category 3: facility

i. big story 1:Inventory

> **Inventory**
>
> As a manager, ~~In~~ I need to be able to know the type and quantity of inventory equipment in the gym.
>
> priority : high   Cost : 7 days

-small story1:Display Inventory

> **Display Inventory**
>
> Display the ~~deai~~details of equipments that gym is using (name, quantity, picture)
>
> priority, high   Cost : 3 days

-small story2:Modify Inventory

> **Modify Equipment**
>
> Change the equipment information that present in the inventory (quantity)
>
> priority : medium   cost : 1 days

-small story3:Add equipment

> **Add equipment**
>
> Add new equipment in to inventory with information
>
> priority : medium   cost : 1 days

-small story4: Delete equipment

Delete equipment

Delete equipment that exist in inventory
and all their information

priority : medium

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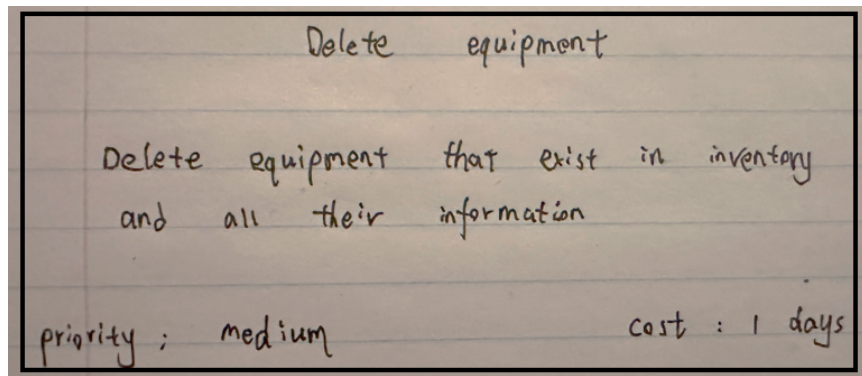
    ii.   big story 2:Equipment Information

        -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

3. iteration 1 detailed user stories