Planning Ducument(Iteration 2)

Project Name: Gym Management of Facility, Memberships and Staff

Team Number: 2

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Outline

1. Vision Statement

General Functionality of the Project and Success Criteria

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. User Stories

iteration 1 user stories:

big story 1:Display course information

Display 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, 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

big story 2: Modify Membership

Management: Big Story 1: Modify Membership

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 Body's Index

Small Story ② Determine Member's Body's Index

Analyze and update periodically member's physical indexes.

Priority : High   Cost : 3 days

-small story 3: Register new Membership

Small Story ③ : Register new Membership

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

Priority : Medium   Cost: 2 days

-small story 3: Delete current Membership

Small story 3: Delete current Membership

As a administrator, I should be able to delet
current membership.

Priority: High

Cost: 5 hour

big story 3:Inventory

Inventory

As a manager, I I need to be able
to know the type and quantity of
inventory equipment in the gym.

priority : high

Cost: 7 days
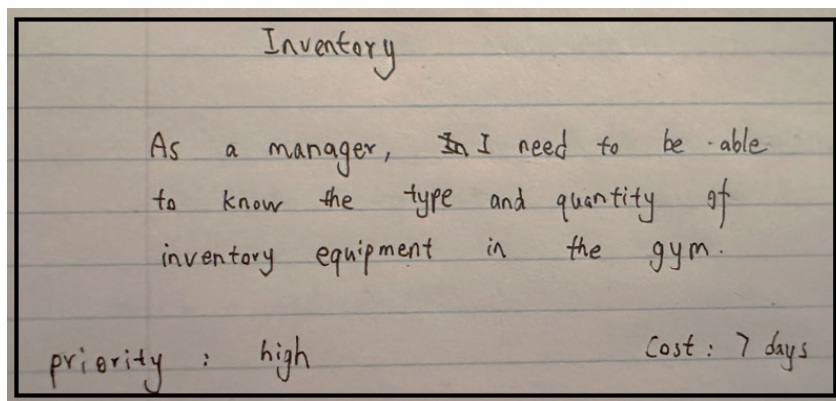
-small story1:Display Inventory

Display Inventory

Display the details of equipments that
gym is using (name. quantity, picture)

priority, high

Cost: 3 days
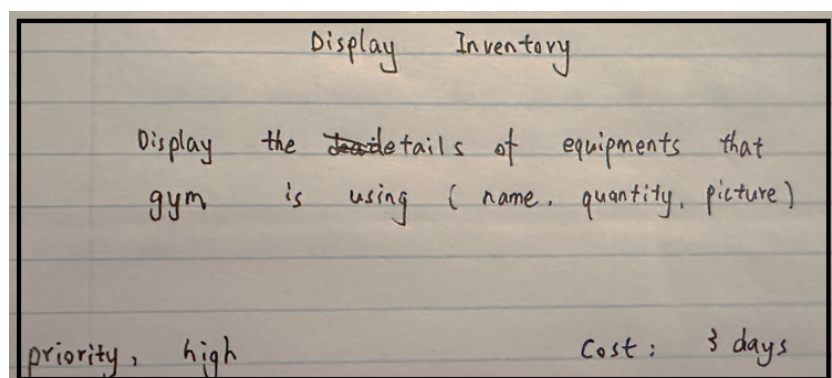
-small story2:Modify Inventory

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

a. iteration 2 user stories:

big story 1: Modify Coaches

Management Big Story 2 : Modify Coaches

As, a Coach of the fitness, I want to be able know
all the detail about all my information.

Priority: High   Cost: 8 days

-small story 1: Display Coaches' Information

Small Story ① : Display Coaches' Information.

Display coach personal information including name, email,
height, weight, photo and so on.

Priority : High   Cost: 2 days

-small story 2: Determine Coaches' Body Index

Small Story ② : Dertermine Coaches' Body Index

Analyze and calculate the coaches' phisical indexes
Currently.

Priority: Medium   Cost : 3 days

-small story 3: Display Coaches' Working availability

Small Story ③ : Display Coaches' Working Availability

Display which aspect or fitness field each coach are good at. And their training ways and attitude.

Priority: Medium   Cost: 2 days

-small story 4: Register new Coaches

Small Story ④ : Register new Coaches

Making the "Work Permit." Modify Coaches System including add new coaches or remove coaches from System.

Priority: Low   Cost: 1 day

big story 2: Modify coach or membership as a manager

Big Story 2: Modify Coach or Membership as a Manager

As a Coach of the fitness, I want to be able know all the detail about all my information.

Priority: High   Cost: 8 days

-small story 1: Remove members or coaches

Small Story ① : Remove Members or Coaches

To modify all people's status in the fitness system.

Priority : High   Cost : 1 day

-small story 2: Display the work hours

Small story ② : Display the Work Hours

Calculate the money income and outcome in period time.

Priority : High   Cost : 3 days

-small story 3: Pay the Staffs Salary

Small Story ② : Pay the Staffs Salary

Calculate the working time and contribution so that can pay different salary to different work place

Priority : High   Cost : 4 days

big story 3:Personal training courses

View personal training courses

As a client, I want to view a list
of personal training courses, and which
personal training courses can help me to
improve myself better.

Priority: high   Cost: 6 days

-small story1:Information of coaches

Display information of Coaches

Display the personal information like
Looks, height, weight, awards, and
which area he/she is good at.

Priority: high   Cost: 4 days

-small story2:Meal plan

Generate meal plan

Generate different meal plans for
different people.

Priority: medium   Cost: 1 days

-small story3:Exercise plan

Generate exercise plan

Generate different exercise plan for
different people.

Priority: medium   Cost: 1 days

big story 4: Gym staff registration

Big Story 4: Gym Staff Registration

As a staff. i will be able to register myself as a new
staff. After registered, i should be able to view my title
and schedule.

Priority: High   Cost: 3 Days

-small story1: register new staff

Small Story ①: Register New Staff

Staffs are able to input their general information which
can be registered in the system.

Priority: High   Cost: 1 Day

-small story2: view staff title

Small Story ② : View Staffs' Schedule

Staffs can veiw their schedule and their Colleagues.

Priority : Medium   Cost: 1 Day

-small story3: view staff schedule

Small Story ③ : Veiw Staffs' Title

Staffs can veiw their own title.

Priority: Low   Cost: 1 Day

big story 5: Log in

Bip stor 5: Log in

    I should be able to Lop in as admin or users
with own portal.

Priority: High

                  Cost: 1 day.

-small story1: Login as admin

Small story1: Login a admin

    I should be able to log in as admin, after
I log in, I should be able to add or remove users.

Priority: High

                  Cost: 5 hour

-small story2: Login as user

Small story 2: Login as user

    I should be able to Log in as user, after I log
in, I should be able to view all information of users.

Priority: High

                  Cost : 5 hours

b. iteration 3 user stories:

big story 1:Equipment Information

View Inventory

As a gym manager, I need to konw what
equipment is in the gym and what does it do.

Priority: high   Cost: 5 days

-small story1:General Equipment description

View General equipment information

As a gym manager, I need to know what each
type of fitness equipment is used for.

Priority: high   Cost: 5 days

-small story2: Display equipment information

Display equipment information

Display the name of the device, the number
of the device, and the photo of the device
that the gym is using

Priority: high   Cost: 3 days

-small story3: Equipment price

Equipment price

Show the price at time of purchase and
market price

Priority: medium   Cost: 0.5 days

big story 2:Equipment Management

-small story1:Display In-use equipment

View General In-use equipment

As a gym manager, I need to know what
fitness equipment is being used

Priority: high   Cost: 3 days

-small story2:Customer Equipment Needs

Customer Equipment Needs

As a gym manager, I need to know what kind
of fitness equipment customers need nowadays

Priority: high   Cost: 3 days

-small story3:Damaged equipment

Damaged equipment

Display of damaged or age-approved fitness
equipment and quantity

Priority: low   Cost: 1 days

big story 3:Course management

Manage Courses

As a client, I need to be able
to manage which Course I want to
buy or cancel.

Priority: high   Cost: 6 days

-small story1:Add course

Add Course

Buy a specific course and add it to Course schedule.

Priority: Medium   Cost: 2 days

-small story2:Delete course

Delete Course

Cancel a specific Course And remove it from course schedule.

Priority: Medium   Cost: 2 days

-small story3:Transfer course

Transfer Course

Transfer the course from this class to another class.

Priority: Medium   Cost: 2 days

3. Read Me (some instructions)!

Above stories that are specified as iteration 1 and 2 user stories have all been implemented in this iteration.

The reason for any violation of the previous plan is addressed at the beginning of another pdf "copy of the user stories and developer tasks for iteration 2".

The user stories we implement during iteration 2 is also mentioned in the pdf "copy of the user stories and developer tasks for iteration 2".