Planning Ducument

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: 3days

-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

big story 3: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 ~~dead~~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' phsical 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 managers

Management: Big Story 3: Modify Managers

As a manager, I want to be able to know all the operation and permissions.

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 ③: 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

b. iteration 3 user stories:

big story 2:Equipment Information

-small story1:General Equipment description

-small story2:Display equipment information

-small story3:Equipment price

big story 3:Equipment Management

-small story1:Display In-use equipment

-small story2:Customer Equipment Needs

-small story3:Damaged equipment

big story 3:Course management

-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. Stories that are claimed to be implemented

Above stories are not fully implemented.

At iteration 1, we focused on modifying membership information. The App allows the manager to log in as administrator. A list of memberships should be visible at the membership management page. He can view the membership's information including: height, weight, name, remaining fund in the card if he clicks into a membership. He can also register a new membership to

the list by clicking the add button. The new membership should be visible on the list after successfully added.