Prepare Meeting

Time : 2023-1-13

Plan

- preparatory work
  - Familiar with the code base
  - data table design
  - technology stack design
  - function discovery
- market research
- competitive product analysis

Technology Stack

Front-end: Vue + Typescript Back-end: Go

Functionalities

1. View timetable of all facilities on a specified range of time/days
2. View timetable of specified facility on a range of time/days
3. Pay for monthly or annual membership
4. Book and pay for an activity at a specified date and time
5. Cancel membership
6. Cancel booking
7. Display images of facilities
8. Display pricing list for facilities
9. Option to book regular sessions (weekly) at a discounted rate
10. Handle card payment for booking (simulated)
11. Handle cash payment for booking (simulated)
12. Send receipt via email
13. Store receipt, and display it on demand
14. Print receipt (or generate a PDF)
15. Barcode or QR code on receipt, for validation

16. Support user accounts and user login

17. store user's payment card details for quicker checkout

18. good security for user accounts and data

19. View weekly usage and income: overall, per-activity and per-session

20. Display weekly usage graphically

21. Provide a responsive, mobile-friendly user interface

22. Address issues of accessibility (colour & font choices, etc)

23. Support usage by multiple clients simultaneously

24. Configure facilities and activities

Sprint 1 Planning Meeting

Time : 2023-01-30

Brief Todo list

- Design the database and prototype of web pages
- What API should we have?
- Re-choose the Technical Stack
    - Go-frame
    - React
    - React Native

Brief record

During Sprint 1, the main work is to design the prototype of the whole system. First of all, we need to design the database and prototype of out web pages. After that, we have discussed about the tech stack we will use. After heated discussion, we finally change the front end stack from VUE into React and add React-Native as our application tech stack. As for back end, we choose Go and GoFrame to design our whold back end.

Sprint 1 middle Meeting

Time : 2023-02-13

Brief Todo list

- The logic of booking and refunding
- The logic of credit point
- Improve the database design

Brief Record

We discussed the work we have finished in two weeks. Also, we've met some logic problems in communication between front end and back end. Thus, the main work we have done in this meeting is to redesign our logic and improve our database design.

Sprint 1 Review Meeting

Time : 2023-02-20

Brief Todo list

- Re-distribute the work for app and web pages
- Explain some logic of APIs

Brief Record

After three weeks work, we have almost finished 70% work. However, there are still some problems in our pair work. Thus, the meeting is to redistribute our work in application and web pages.

Sprint 2 Planning Meeting

Time : 2023-03-05

TODO: Sprint 2

1. VIP or membership
2. BBS + Post
3. Rate + Evaluation + Comment
4. Beautify and responsive
5. Member ship
6. Continue to finish APP

7. Web pages for admin

PPT Contents For Sprint 1

- Previous work
  - code
  - functions
  - implementation
  - tests
- Team members work and contribution
  - The numbers of commit and issues
  - Work distribution for members (respectively)
- Process and version control
  - Git-lab + wiki
  - Weekly report
  - Continuous Deployment
  - API Fox and Swagger
- Technical Stack
  - Database: MySQL
  - Back-end: Go + Go-frame
  - Front-end:
    - Admin: VUE
    - User: React
  - Applications: React Native
- Achievements
  - Some images and videos
- Reflection
- Plan for next sprint

Work for Next Week 0306-0312

- Issues to fix bugs
- PRs
- APP
- PPT
- Admin for web

Brief Record

We began by reviewing the work done in Sprint 1. We discussed the code, functions, implementation, and testing. Next, we evaluated the work and contributions of team members. We looked at the number of commits and issues for each person, as well as their work distribution. We also discussed process and version control. We use Git-lab and wiki for version control, submit weekly reports, and use tools such as Continuous Deployment and API Fox and Swagger. We also discussed the technical stack. We use MySQL as the database, Go and Go-frame as the backend, VUE as the frontend for the admin, React as the frontend for the user, and React Native as the application. We presented some achievements, including some images and videos. Next, we discussed the work for Sprint 2. We listed the following work plans: Finally, we reflected and made plans for the next Sprint.

Sprint 2 Review Meeting

Time : 2023-03-23

Brief record

During Sprint 2, our goals were to implement VIP or membership system, BBS and post functionality, rate, evaluation, and comment functionality, beautify and make the design responsive, implement the membership system, continue to complete the APP, and implement web pages for the admin. Evaluation of progress and achievements: We are pleased to report that we have achieved all the goals set for Sprint 2. We have successfully implemented the VIP or membership system, BBS and post functionality, rate, evaluation, and comment functionality, and beautified the design and made it responsive. We have also made significant progress in completing the APP and implementing web pages for the admin. We are proud of our achievements and congratulate the team on their hard work and dedication. Identification of challenges and roadblocks: During Sprint 2, we encountered several challenges and roadblocks. One of the challenges we faced was the complexity of the membership system, which required careful planning and implementation. We also faced some technical issues while integrating the BBS and post functionality, which required significant effort to resolve. Additionally, we faced some delays in completing the APP due to unexpected technical issues. However, we were able to overcome these challenges through collaboration and persistence. Discussion of potential improvements for future sprints: To improve in future sprints, we need to address some areas. Firstly, we need to improve our communication and collaboration to ensure that everyone is on the same page and working towards the same goals. Secondly, we need to focus on improving our technical skills to enhance our productivity and efficiency. Thirdly, we need to streamline our processes to reduce delays and improve the quality of our work. Finally,

we need to prioritize and plan our work more effectively to ensure that we meet our goals in a timely manner. Overall, Sprint 2 was a success, and we are proud of our achievements. We will continue to build on our strengths and address our weaknesses to ensure that we deliver high-quality work in future sprints.

Sprint 3 Planning Meeting

Time : 2023-03-28

Brief Todo list

- Evaluation Facility
- Subscription(VIP)
- Add coach and course
- Add tag of facility
- Redesign application
- Some Edit in backend
- Redesign Profile Page

Brief Record

Review of Sprint 2 accomplishments: During Sprint 2, we successfully implemented the VIP or membership system, BBS and post functionality, rate, evaluation, and comment functionality, beautified the design, and made it responsive. We also made significant progress in completing the APP and implementing web pages for the admin. Discussion of Sprint 3 goals: For Sprint 3, our goals are to implement the evaluation facility, subscription (VIP), add coach and course, add tags for facilities, redesign the application, make some edits in the backend, and redesign the profile page. Identification of potential challenges and roadblocks: We anticipate that implementing the evaluation facility and the subscription (VIP) system may pose some challenges. We may need to carefully plan and implement these features to ensure their effectiveness and usability. Additionally, adding coaches and courses, and incorporating tags for facilities may require significant effort to ensure their seamless integration into the system. Finally, redesigning the application and the profile page may require significant time and effort to ensure their functionality and user-friendliness. We will work collaboratively and communicate effectively to ensure that we meet our goals for Sprint 3. Overall, we are excited about the goals for Sprint 3 and look forward to working together to achieve them.

Sprint 3 Review Meeting

Time : 2023-4-10

Brief Record

During Sprint 3, our goals were to implement the evaluation facility, subscription (VIP), add coach and course, add tags for facilities, redesign the application, make some edits in the backend, and redesign the profile page. Evaluation of progress and achievements: We are pleased to report that we have successfully achieved all the goals set for Sprint 3. We have successfully implemented the evaluation facility and the subscription (VIP) system, added coaches and courses, incorporated tags for facilities, and redesigned the application and the profile page. We have also made some edits in the backend to enhance the system's functionality and efficiency. Identification of challenges and roadblocks: During Sprint 3, we encountered some challenges and roadblocks. Implementing the evaluation facility and the subscription (VIP) system required careful planning and implementation to ensure their effectiveness and usability. Additionally, adding coaches and courses, and incorporating tags for facilities required significant effort to ensure their seamless integration into the system. Finally, redesigning the application and the profile page required significant time and effort to ensure their functionality and user-friendliness. However, we were able to overcome these challenges through collaboration and persistence. Discussion of potential improvements for future sprints: To improve in future sprints, we need to address some areas. Firstly, we need to continue to improve our communication and collaboration to ensure that everyone is on the same page and working towards the same goals. Secondly, we need to prioritize and plan our work more effectively to ensure that we meet our goals in a timely manner. Finally, we need to continuously improve our technical skills to enhance our productivity and efficiency. Overall, Sprint 3 was a success, and we are proud of our achievements. We remain committed to delivering high-quality work and look forward to continuing our progress in future sprints.

Sprint 4 Plan Meeting

Time : 2023-4-10

Brief Record

- Implement a notification system for coaches and users
- Add a search function for coaches and courses
- Integrate a payment system for subscriptions
- Enhance the user interface for the evaluation facility
- Implement a feedback system for users

- Optimize the backend for improved performance and scalability Plan and prioritize tasks for the sprint, Research and design the notification system for coaches and users, Begin implementation of the search function for coaches and courses, Continue implementation of the search function for coaches and courses, Begin integration of the payment system for subscriptions, Design and implement enhancements to the user interface for the evaluation facility, Complete integration of the payment system for subscriptions, Test and refine the notification system for coaches and users, Implement the feedback system for users, Optimize the backend for improved performance and scalability, Conduct testing and debugging of all new features, Finalize the sprint and prepare for the next sprint. Throughout the sprint, we will prioritize effective communication and collaboration among team members to ensure that everyone is on the same page and working towards the same goals. We will also prioritize continuous improvement of our technical skills to enhance our productivity and efficiency.

Sprint 4 Review Meeting

Time : 2023-4-22

Brief Record

To develop a coaching platform that enables coaches to connect with users and provide coaching services. The platform should include a notification system, search function, payment system, evaluation facility, and feedback system. The backend should be optimized for improved performance and scalability. Tasks Completed:

- Researched and designed the notification system for coaches and users
- Implemented the search function for coaches and courses
- Integrated a payment system for subscriptions
- Designed and implemented enhancements to the user interface for the evaluation facility
- Implemented the feedback system for users
- Optimized the backend for improved performance and scalability
- Conducted testing and debugging of all new features

Final Meeting

Time : 2023-4-27

Brief Record

n the development of the sports stadium management system, we will use Agile development and Pair Programming methods to ensure that the system is of high quality, easy to maintain, and easy to expand. We will continuously improve and optimize the system through iterations, user feedback, and continuous integration methods, and ensure that the system meets user needs and expectations. We believe that through the use of Agile development and Pair Programming methods, we can successfully develop an excellent sports stadium management system that provides users with a better user experience and value.