SENG 300 Winter 2020

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Project Iteration 2

By
Group 02 Lecture 02

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Updated Product Backlog

Our main product backlog is listed in Iteration 1 report. In this Iteration 2 report, we are going to update the newest state(status) of a part user story.

- Story Update 1: As a client, I want to know how many rooms I want left (available) on the reservation page in a period of time(from check-in time to estimate check-out time).

  What we should do is about displaying room information(Room type, amount of left rooms, current price) on the booking page. In Iteration 2 our software should let people choose the time interval of booking.

- Story Update 2: As a client, I want to make reservations with some personal information on the reservation website page.

  This is about the information getting from the front end, we initially made a simple one to send what rooms clients want to book, and the webpage uses js and ajax to produce a JSON style form to the back end.

Updated Sprint Planning Meeting

We had a planning meeting on Mar 15th, Sunday. Because COVID-19 has been spreading, we have to use zoom to have this meeting online. All of the members took part in it. On that day, most of the members told that they had finished learning how to make front end web pages. This week, they believed the work of making login and booking pages can be done. Haohu and Kaiwen plan to implement back-end data parsing and data return services. After this week, maybe we can initially achieve the interactions between front and back ends. Then probably clients can enjoy a complete series of features.

This meeting took 1.5 hours for all the things, and it includes the teaching of development kits(IDE and so on), what kind of data the back end should send and get, and how to use frameworks such as Vue and Vue.js.

Moreover, we should go on to construct the service layer. All of the service interfaces should be implemented. In the next iteration, we will launch the login function. Clients can sign up and book rooms with their account. That is mainly what we want.

Updated Sprint Backlog

- On the booking pages, clients should be able to see how many rooms are left based on a period of dates from check-in to check out. A little bit difficult step is how to return the “amount of left rooms”. It relates to how to arrange remaining rooms. We should be able to deal with some problems about clients’ length of

time to stay, and most of the time these periods are overlapping. However, we should consider these when we calculate the amount of left rooms in the hotel. Therefore, in this iteration, we tried to return these data more accurately. Through applying some methods, the hotel management system can do most of the work on time allocation based on the check-in and check-out date(from users), and give out the amount of rooms left (for just a single type).

- On the booking pages, clients should also be able to submit orders of booking. That means the webpages can produce HTML forms containing information such as client personal info(phone number and names), estimate check-in date and check-out date and the room type. That we have finished so far. Furthermore, We chose 1 member and let him simulate a client. After trying, he is satisfied, but thinks that the webpage should be improved and beautified, thereby being easier to understand and use. So, in the next iteration, we could consider using some technologies like some front end framework BOOTSTRAP.

Daily Scrum Meeting

We had 2 scrum meetings for the Iteration 2 in total.

- The first meeting was on Friday, March 3rd (Juwei Wang, Haohu Shen, Kaiwen Jia, Xudong Miao and Yifei Lin presented the meeting).
    - The meeting was held in the computer science lab. Since we now come to the stage of the second iteration, we make sure every team member sets up the same environment in their devices. Though we may use different OS platforms, we make sure the toolchains and encoding setting for our project are the same.
    - During the meeting, we:
        - make sure every member is developing their part of project by making their personal branch
        - make sure every member can merge other branches properly instead of directly switching the branch.
        - make sure every member understands the relationship between different table and the meaning of each field of every table of our database.
        - decide to change some improper data fields and remove some redundant SQL statements for our database.
        - ask all team members to learn some basic knowledge about Vue.js in order to prepare for the front-end coding.
        - decide not to consider how to avoid DDOS since it may require us to learn tools like Redis and it is a bit of overhead.
        - allocate the job about front-end coding for all team members.
        - This meeting took us about 15 minutes in total.

- The second scrum meeting was on Sunday March 17th. Since the COVID-19, we decide to use Zoom for code-review and remote meetings, during this meeting:
    - Haohu revised and fixed some coding problems in interfaces and Kaiwen gave some feedback to him.
    - We again make sure every member knows the basic login of the business for our project.
    - This meeting took us about 15 minutes in total.

Sprint Review Meeting

We hold 1 sprint review meeting. All group members attended the meeting. The meeting lasts for 1 hour and 15 mins. We reviewed our product and decided to make some changes.

- Our product is a software to help customers book the hotel. Compared to some professional hotel booking websites(for example: booking.com), we found that we need to show more information to the customers.
- We decided to add more information to help the customer choose the room by staying period (check-in time and check-out time) and also show the number of rooms for different room types.
- One of the team members acts as the customer and said we need to improve the quality of the webpage by making it more beautiful.The information of the customer will be saved in a database system, it includes the basic information to identify customers.

Retrospective Meeting

We hold one retrospective meeting. All group members presented, meeting lasts for 20 mins, in the meeting we make sure that every member should

- keep learning the Spring, Javascript and Vue.js.
- keep working on the interface.
- learn how to integrate all these frameworks(including Git) to IntelliJ IDE
- learn how to write and manipulate SQL statements using Datagrip.

Also, we

- discuss how to try to make the webpage more beautiful, as well as consider using the third-party UI frameworks.
- allow the database stores the identify information of the customer from the web page in the future.
- decide not to hold face-to-face meetings any more due to COVID-19 and replace it with Zoom meetings.

Conclusion and plan for next iteration

- In conclusion, in this period of time, we have not actually added many new features for our project but we discussed a lot of difficulties we encountered during implementing the functions and we also argued what we should do at the next step. Currently, we are facing some challenges like implementing the interface of some of the functions (left rooms returning).
- For the next iteration, we'll consider fulfilling most of the requirements that our clients are asking for, including price system, front end interface, and submitting order information.