

The product description

This product is a focus on books buying website, the interface is simple, easy to use. Users can search and buy their favorite books according to their needs, and the homepage of the website regularly pushes books with high ratings. User can change their personal information in the personal page, and users can apply to become a store owner. After a user submits an application, the administrator reviews it, and those who pass the review become shopkeepers selling new or used books. Users can contact the administrator for the first time if any problems occur. At the same time, we designed the administrator account to be very easy to use. All notifications can be clearly seen in the administrator interface. New notifications are marked with red dots. The administrator can view the list of all stores and ban some user accounts that violate the usage agreement

Scrum structure

Scrum master: Yutai Tong

We follow a common process for scrum meetings.

At the beginning of each sprint meeting we set out the tasks to be completed during the sprint, discussed among team members the possible difficulties of each task, split the selected user stories, and identified story points for each user story. After that, record the meeting, write the Sprint Planning document, and then set tasks according to each person's role based on the content of the meeting. We will hold two meetings every week, and the meeting will be held on Tuesday and Saturday except for special cases of team members. Due to different contents of each meeting, the duration of the meeting will not be fixed. At each meeting, we would discuss the problems encountered in the development process, our development progress and set development tasks until the next meeting. At the end of each sprint, we have a review and retro meeting to summarize what we did and didn't accomplish during the sprint, what went well, and what needs to be improved.

Sprint Planning Notes

Team: 6

Sprint: 2

Date: 09/20/2021

Attended:

Scrum Master: Yutai Tong

Product Owner: Bohan Cheng

Development team:

Ningthouba Nahakpam

Zico Z

Ci Song

1. Goal

- i) *Complete user stories that were not completed in the previous cycle.*
- ii) *Complete the implementation of the remaining features of the webpage and prioritize the remaining user story*
- iii) *Further optimize the website(including performance, appearance), upgrade database by unit testing and acceptance testing*
- iv) *Build the product on the AWS server*
- v) *Use CI to test the execution of the program*

2. Duration of the sprint

4 weeks

3. What is the team's vision for this sprint?

Hope to finish all the features before the deadline and try to build the existing application onto the AWS cloud server

Optimize existing web pages to make them more user friendly and more beautiful

Update the database

Wish group members physical and mental health.

4. Estimation in story points

1. Updating the online book shop

Story point: 4

2. Publishing a book in a shop

Story point: 4

3. Removing a book in a shop

Story point: 3

4. Viewing books' information

Story point: 4

5. Adding book to the shopping cart

Story point: 3

6. Receiving notification

Story point: 5

7. Setting up Shopping address

Story point: 4

8. Previewing the book content
Story point: 3
9. Advertisement
Story point: 5
10. Applying discount
Story point: 5
11. Making comment
Story point: 5
12. Viewing comments towards a book
Story point: 4
13. Contacting customer service
Story point: 2
14. Viewing the Transactions
Story point: 5
15. Downloading reports of books
Story point: 5
16. Cancelling orders
Story point: 5
17. Viewing the history of deal
Story point: 3
18. Paying a book
Story point: 4

5. [Sprint meeting notes](#)

- Based on the priority of user stories and customer needs, the PO identifies the features that need to be implemented in this Sprint and explains each user story in detail so that the developer can understand the requirements.

- The developer made the basic workload estimation for each requirement, and will complete the design and implementation of the underlying code of the front end and back end of the website this week.
- The database admin will complete the design and construction of the database according to the requirements this week, and conduct the docking with the website.
- Start designing class diagrams based on user needs and selected user stories.
- The development team breaks down tasks based on user stories and evaluates the effort of each task.
- The ideal workday for specific coding needs is given first, and then the buffer time is given based on design, testing, and other factors.
- The developer implements the user story code according to the designed class diagram.
- The tester explains the test points and clarifies the details of the requirements to be tested.

• Meeting Minutes

• Weekly Meeting with team/Supervisor

• Meeting No: 6

• Meeting Details

Date:	09/21/2021
Venue:	Book Store
Attendees:	Yutai Tong Bohan Cheng Zico Z Ci Song Nigthouba Nahakpam
Apologies:	N/A

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- Information / Decisions

No.	Item
1	Unpack unfinished user stories from the previous sprint
2	Break up the new user stories added to this sprint
3	Make a plan for all sprint 2 task
4	Design and develop related functions of the bookstore

- Action Items

No.	Item	Who	By
1	Bookstore functions design and improve	Yutai Tong	Yutai Tong
2	Break down user stories and identify tasks	All	All
3	Front-end code implementation of the create bookstore function	Bohan Cheng	Bohan Cheng
4	Back-end code implementation of the create bookstore function	Zhihao Zhong	Zhihao Zhong

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- Meeting Minutes

- Weekly Meeting with team/Supervisor

- Meeting No: 6

- Meeting Details

Date:	09/25/2021
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Venue:	Book Store
Attendees:	Yutai Tong Bohan Cheng Zico Z Ci Song Nigthouba Nahakpam
Apologies:	N/A

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• Information / Decisions

No.	Item
1	Administrator: block the development of user functions
2	Tests of store creation functionality
3	Develop the function for users to apply to become store users

• Action Items

No.	Item	Who	By
1	Record meeting, flow chart design of interaction logic	Yutai Tong	Yutai Tong
2	Tests of store creation functionality	Thouba	Thouba
3	Front-end code of the the user submits the application function and the administrator receives the application function code	Bohan Cheng	Bohan Cheng
4	Back-end code of the user submits the application function and the administrator receives the application function code	Zhihao Zhong	Zhihao Zhong

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- Meeting Minutes

- Weekly Meeting with team/Supervisor

- Meeting No: 6

- Meeting Details

Date:	09/29/2021
Venue:	Book Store
Attendees:	Yutai Tong Bohan Cheng Zico Z Ci Song Nigthouba Nahakpam
Apologies:	N/A

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- Information / Decisions

No.	Item
1	Test newly developed features
2	Develop the function of publishing the book
3	Develop the function of the removing the book

- Action Items

No.	Item	Who	By
1	Records of the meeting	Yutai Tong	Yutai Tong
2	New function testing	Ci Song	Ci Song
3	Front-end development of book-related functions	Bohan Cheng	Bohan Cheng
4	Back-end development of book-related functions	Zhihao Zhong	Zhihao Zhong

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• Meeting Minutes

- Weekly Meeting with team/Supervisor

- Meeting No: 6

- Meeting Details

Date:	10/02/2021
Venue:	Book Store
Attendees:	Yutai Tong Bohan Cheng Zico Z Ci Song Nigthouba Nahakpam
Apologies:	N/A

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- Information / Decisions

No.	Item
1	Test newly developed features.
2	Optimize code with microservices
3	Debug and continue to develop functionality that was not completed in the previous session

- Action Items

No.	Item	Who	By
1	Record the meeting and change the design flow chart as required	Yutai Tong	Yutai Tong
2	New function testing	All	All
3	Front-end development of unfinished functionality	Bohan Cheng	Bohan Cheng
4	Back-end development of unfinished functionality	Zhihao Zhong	Zhihao Zhong
5	Debug, optimizing projects with microservices	Thouba	Thouba

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- Meeting Minutes

- Weekly Meeting with team/Supervisor

- Meeting No: 6

- Meeting Details

Date:	10/07/2021
Venue:	Book Store
Attendees:	Yutai Tong Bohan Cheng Zico Z Ci Song Nigthouba Nahakpam
Apologies:	N/A

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- Information / Decisions

No.	Item
1	Test newly developed features.
2	Optimization of the message receiving function for the administrator
3	Administrators view the development of all store list features

- Action Items

No.	Item	Who	By
1	Records of the meeting	Yutai Tong	Yutai Tong
2	Test newly developed features	Thouba	Thouba
3	Development of admin-related functions (front-end)	Bohan Cheng	Bohan Cheng
4	Development of admin-related functions (Back-end) Update the database	Zhihao Zhong	Zhihao Zhong

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- Meeting Minutes

- Weekly Meeting with team/Supervisor

- Meeting No: 6

- Meeting Details

Date:	10/11/2021
Venue:	Book Store

Attendees:	Yutai Tong Bohan Cheng Zico Z Ci Song Nigthouba Nahakpam
Apologies:	N/A

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• Information / Decisions

No.	Item
1	Test newly developed features.
2	The preparation and design of adding description function for books (Introduction of books)
3	Make a plan for all sprint1 tasks

• Action Items

No.	Item	Who	By
1	Record meetings with book page design	Yutai Tong	Yutai Tong
2	Test newly developed features	Thouba	Thouba
3	Front-end code of the book info page	Bohan Cheng	Bohan Cheng
4	Back-end code of the book info page	Zhihao Zhong	Zhihao Zhong

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- Meeting Minutes
- Weekly Meeting with team/Supervisor
- Meeting No: 6
- Meeting Details

Date:	10/16/2021
Venue:	Book Store
Attendees:	Yutai Tong Bohan Cheng Zico Z Ci Song Nigthouba Nahakpam
Apologies:	N/A

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- Information / Decisions

No.	Item
1	Test newly developed features.
2	Develop a feature where users can review books

- Action Items

No.	Item	Who	By
1	Record the meeting	Yutai Tong	Yutai Tong
2	Optimize the code	All	All
3	Front-end code optimization and user - defined address function development; Development of user review book feature.	Bohan Cheng	Bohan Cheng
4	Front-end code optimization and user - defined address function development; Development of user review	Zhihao Zhong	Zhihao Zhong

	book feature.		

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• Meeting Minutes

- Weekly Meeting with team/Supervisor

- Meeting No: 6

- Meeting Details

Date:	10/21/2021
Venue:	Book Store
Attendees:	Yutai Tong Bohan Cheng Zico Z Ci Song Nigthouba Nahakpam
Apologies:	N/A

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- Information / Decisions

No.	Item
1	Test newly developed features.
2	Acceptance Test
3	Advertising function development

- Action Items

No.	Item	Who	By
1	Record the meeting	Yutai Tong	Yutai Tong
2	Test newly developed features.	Song Ci	Song Ci
3	Front-end code of the Advertising function	Bohan Cheng	Bohan Cheng
4	Back-end code of the Advertising function	Zhihao Zhong	Zhihao Zhong
5	Acceptance Test	Thouba	Thouba

Sprint Retro Notes

Team: 6

Sprint: 1

Date: 10/23/2021

Attended:

Scrum Master: Yutai Tong

Product Owner: Bohan Cheng

Development team:

Ningthouba Nahakpam

Zhihao Zhong

Ci Song

1. Things That Went Well

Having managed to complete many goals of this Sprint, we were pretty good as a new team. The communication of the team was very smooth, there were few differences in the discussion, and any problems of the team members would be solved at the first discussion. Everyone on the team has their responsibilities and does their assigned work very well. We have managed to support each other better this time by assisting the lead developers and testers during heavy tasks. Team members planned their time as well as possible to complete the project.

2. Things That Could Have Gone Better

Communication between team members should be more frequent, sometimes sending messages to team members, often the next day or the next meeting.

Time estimates for each task, as well as estimates of team members' ability to work, should be improved. This way you don't schedule too many or too few tasks in a Sprint cycle.

We need to make assumptions about the problems and emergencies we might encounter during development, and make a response for each situation.

3. Things That Surprised Us

Even though we anticipated medical issues from last sprint, unfortunately many members of our group met health causes and emergency, so we should have a plan to deal with these emergencies, such as health problems we should pay attention to team members, and to the record of each meeting, so that even if someone because of some reason missed the meeting but can be by the content of the meeting records to know.

4. Lessons Learned

Understanding each person's skills and abilities is important for assessing progress. Otherwise, we end up in the situation we're in now, where a person gets cut from the team, we don't cut stories quickly enough, and we overshoot our development capacity due to a miscalculation of developer productivity. As a result, we were not able to complete all of the Sprint tasks.

5. Final Thoughts

Things to Keep

Continue the previous working mode. Everyone's responsibilities remain the same and continue to maintain the previous communication mode. If there is any problem, directly ask for everyone to solve it together.

Things to Change

As mentioned above, development tasks should be divided among multiple people, so that if a team member is in an emergency, others can know the progress of the task and not delay development.

Team: 6

Sprint: 1

Date: 10/23/2021

Attended:

Scrum Master: Yutai Tong

Product Owner: Bohan Cheng

Development team:

Ningthouba Nahakpam

Zhihao Zhong

Ci Song

1. Goal

In this sprint we want to implement the following functions:

- vi) *Updating the online book shop*
- vii) *Publishing a book in a shop*
- viii) *Removing a book in a shop*
- ix) *Viewing books' information*
- x) *Adding book to the shopping cart*
- xi) *Receiving notification*
- xii) *Setting up Shipping address*
- xiii) *Previewing the book content*
- xiv) *Advertisement*
- xv) *Applying discount*
- xvi) *Making comment*
- xvii) *Viewing comments towards a book*
- xviii) *Contacting customer service*
- xix) *Viewing the transactions*
- xx) *Downloading reports of books*
- xxi) *Cancelling orders*
- xxii) *Viewing the history of deal*
- xxiii) *Paying a book*

2. Status overview

First of all, we have upgraded the framework code of the database and web page according to the requirements, so that the website is more in line with the logic of users. We then updated the database to add a new user group (administrator group), after that, we developed and tested the tasks we didn't complete in the last sprint. Team members also work better together. Users can apply, apply for the owner of the store, can

add or delete books sold by themselves, and edit the information of books. Administrators can acknowledge these requests and update the status. Store owners can also add books. Administrators can also ban users who violate the rules. We have made more detailed plans for the formulation of priorities, so that in this sprint, we have made better and more reasonable plans for the progress of development, and improved the efficiency of development. However, due to the tight time and the end of the semester, the academic tasks of team members are heavy, so there are still many planned tasks to be completed.

3. Development statement

Completed

- *Updating the online book shop*
- *Publishing a book in a shop*
- *Removing a book in a shop*
- *Viewing books' information*
- *Adding book to the shopping cart*
- *Receiving notification*
- *Setting up Shipping address*
- *Previewing the book content*

Uncompleted

- *Advertisement*
- *Applying discount*
- *Making comment*
- *Viewing comments towards a book*
- *Contacting customer service*
- *Viewing the transactions*
- *Downloading reports of books*
- *Cancelling orders*
- *Viewing the history of deal*
- *Paying a book*

4. CI testing screenshot

Build Error Failed

Rerun ...

Duration / Finished	Queued	Executor / Resource Class	Branch	Commit	Author & Message
2s / 5s ago	0s	Docker / Medium ⓘ ⓘ	circlecip-project-setup	3981ac3	Updated config.yml

STEPS TESTS ARTIFACTS RESOURCES NEW

Parallel runs 1 / 16 parallel runs ⓘ

00:02

Use parallelism to run faster tests
Parallelism speeds up tests by splitting them across multiple executors.

Go to Docs

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▶ ✓ Spin up environment	2s	📄	⬇
▶ ✓ Preparing environment variables	0s	📄	⬇
▶ ! Config Processing Error (Don't rerun)	0s	📄	⬇