Sprint 2 Function Test Report

1.Design test cases

Please download the '.xlsx' file below to see functional testing cases of sprint 2 .

Sprint 2 function test.xlsx

2.Execute test cases

Test plans and test cases are created and maintained in Pingcode - testhub.

- **Test report of the function test:**

Report basic information

76	100.0 %	93.42 %	7
Number of use cases	Use case coverage	Use case pass rate	Number of defects

Test library: Sprint2

Starting time: May 14 2021

status: processing

Associated portfolio: ePortfolio - SaltyFish

Test Plan: Function test for sprint2

End Time: May 23, 2021

principal: CZ Chengyu Zhang

Associated iteration:

Report summary:

no

Use case result distribution
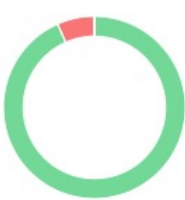
result	Number of use cases	Percentage
✓ by	71	93.42%
⊖ Blocked	0	0%
✗ failure	5	6.58%
→ jump over	0	0%
? Untested	0	0%

Member implementation
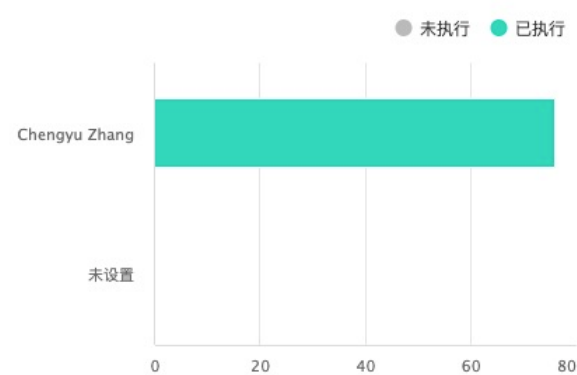
Legend: ● 未执行 ● 已执行

member	Not performed	It has been executed
Chengyu Zhang	0	76
Not set	0	0

Defect statistics

Legend:
● 致命
● 严重
● 一般
● 建议

severity	Number of defects	Percentage
fatal	0	0%
serious	0	0%
general	2	50%
Suggest	2	50%

Defect module distribution

Legend: ● 缺陷数
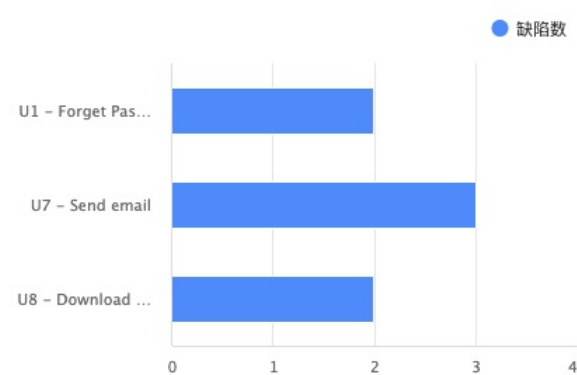
functional module	Number of use cases	Number of defects
U1 - Forget Password	9	2
U7 - Send email	5	3
U8 - Download profile in PDF Format	8	2

Above is the initial report of the function test for sprint 2. We could see that there are a few defects the team cannot ignore. So the testing team reports these defects to the developing team so as to find solutions together. In the following steps, defects would be constantly tracked until most of them have been fixed.

3. Regression test

In this section, the team did regression test to track and fix defects that had been found in the initial function test of sprint 2.

- **Different status of test cases:**

Status of a test case	Description
Passed (P)	Actual results exactly match the expectations.
Failed (F)	This may contain some sub-conditions. On one hand, actual results do not match initial expectations; On the other hand, actual results match the expected outputs but cause other problems. Defects need to be logged and tracked.
Unprocessed (UP)	Test cases that have not been executed yet. This is the default status.
In Progress (IP)	Test cases have been put into process, but not all steps have been finished.
Investigating (I)	Test cases have been executed and corresponding outputs are generated. However, it is hard to decide at the first glance whether these cases are passed or not. Needs additional discussion.
Blocked (B)	Test cases cannot be executed because of blocking issues.

- **Severity levels of a defect**

Severity	Description
Serious (S)	Cannot perform normal work functions or important functions. Or endanger personal safety.
Major (Ma)	Seriously affect the realization of system requirements or basic functions, and there is no way to correct it.
Minor (Mi)	Seriously affect the realization of system requirements or basic functions, but there are reasonable correction methods.
Cosmetic (C)	It makes the operator inconvenient or troublesome, but it does not affect the execution of work functions or important functions.
Could Ignore (CI)	Defects that out of the scope of Sprint 1, or defects that would not cause any problem in most cases.
Pass (P)	Pass without any defects.

- **Requirement traceability matrix (RTM):**

Initial version created on 17th, May, 2021.

Test Name	User Story ID	Statues	Defect	Description
Forget password	1	Failed	Major	1. Cannot automatically close the 'forget password' window; 2. One can send blank emails to an unregistered user's mailbox.
Add / delete files / pictures	5	In process	/	
Copy & paste URL	6	Unprocessed	/	
Send email to another user	7	Unprocessed	/	
Download profile in PDF format	8	Failed	Minor	1. Cannot hide buttons; 2. Cannot hide the header and the footer of each page.

- **Regression process:**

The second version on 19th, May, 2021.

Test Name	User Story ID	Statues	Defect	Description
Forget password	1	Failed	Minor	One can send blank emails to an unregistered user's mailbox.
Add / delete files / pictures	5	In process	/	

Copy & paste URL	6	In process	/	
Send email to another user	7	In process	/	
Download profile in PDF format	8	Investigating	Cosmetic	Background color of the printing page is too dark.

The third version on 21st, May, 2021.

Test Name	User Story ID	Statues	Defect	Description
Forget password	1	Pass	Pass	Requirements have been met successfully.
Add / delete files / pictures	5	Pass	Pass	Requirements have been met successfully.
Copy & paste URL	6	Pass	Pass	Requirements have been met successfully.
Send email to another user	7	Failed	Minor	1. User could send blank email to another user; 2. Cannot change lines by typing 'enter' or typing 'shift + enter'.
Download profile in PDF format	8	Pass	Could Ignore	Background color of the printing page is a little bit dark.

The final version on 23rd, May, 2021.

Test Name	User Story ID	Statues	Defect	Description
Forget password	1	Pass	Pass	Requirements have been met successfully.
Add / delete files / pictures	5	Pass	Pass	Requirements have been met successfully.
Copy & paste URL	6	Pass	Pass	Requirements have been met successfully.
Send email to another user	7	Pass	Could Ignore	Cannot change lines by typing 'enter' or typing 'shift + enter'.
Download profile in PDF format	8	Pass	Could Ignore	Background color of the printing page is a little bit dark.

By 23rd, May, 2021, the left two defects were out of the initial scope, and none of them could do harm to the functional requirements of sprint 2, so the team decided to ignore them. Below is the final report of function test for sprint 2:

Report basic information

76	100.0 %	98.68 %	3
Number of use cases	Use case coverage	Use case pass rate	Number of defects

Test library: Sprint2

Test Plan: Function test for sprint2

Starting time May 14 2021

End Time: May 23, 2021

status: [completed]

principal: CZ Chengyu Zhang
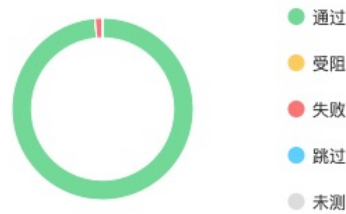
Associated portfolio ePortfolio - SaltyFish

Associated iteration:

Report summary:

Function test has been successfully conducted by the testing team. There were only 3 defects left, all of them are non-functional defects that have low level of priority. To be specific, one type of the defect is about the layout of the PDF file downloaded from our website, while the other type of defect is related to changing lines when typing texts in an email. Since both of these two defects have nothing to do with the level of completion of the whole project, we would ignore them unless we have additional time after sprint2.
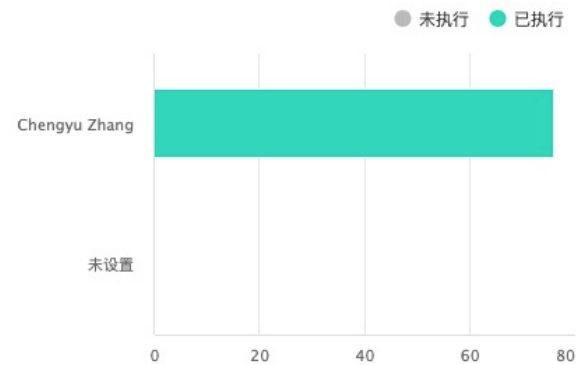
edit

Use case result distribution

result	Number of use cases	Percentage
✅ by	75	98.68%
➖ Blocked	0	0%
❌ failure	1	1.32%
➡️ jump over	0	0%
❓ Untested	0	0%

通过
受阻
失败
跳过
未测

Member implementation

未执行　已执行

Chengyu Zhang

未设置

member	Not performed	It has been executed
Chengyu Zhang	0	76
Not set	0	0

Defect statistics

致命
严重
一般
建议

severity	Number of defects	Percentage
fatal	0	0%
serious	0	0%
general	0	0%
Suggest	2	100%

Defect module distribution

● 缺陷数
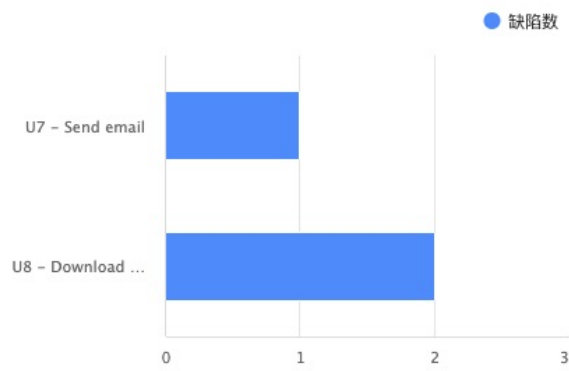
functional module	Number of use cases	Number of defects
U7 - Send email	5	1
U8 - Download profile in PDF Format	8	2