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# Home



Welcome to your new space!

Confluence spaces are great for sharing content and news with your team. This is your home page. Right now it shows recent space activity, but you can customize this page in any way you like.

## Complete these tasks to get started

- Edit this home page** - Click *Edit* in the top right of this screen to customize your Space home page
- Create your first page** - Click the *Create* button in the header to get started
- Brand your Space** - Click *Configure Sidebar* in the left panel to update space details and logo
- Set permissions** - Click *Space Tools* in the left sidebar to update permissions and give others access

## Recent space activity



**CHENGYU ZHANG**

System Test and User Acceptance Test 20 •



**Jingjin Li**

UI changes 2 •



**CHENGYU ZHANG**

Handover 7:56

Sprint 2 test 5:23 •

Sprint 2 Test Cases 26 , 2021 •

## Space contributors

- **CHENGYU ZHANG** (20)
- Jingjin Li (2)
- YANGFAN XU (1)
- Yichao XU (1)
- Zihan Ye (1)
- ...

# Group: SaltyFish

**SaltyFish GOGOGO!!!**

## Contributors

- CHENGYU ZHANG (20)
- Jingjin Li (2)
- Zihan Ye (1)
- Jiaxin Mo (2)
- Xiaoyue LIU (3)

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- Deployment
- Release
- Handover

## Recent Activity

### CHENGYU ZHANG



System Test and  
User Acceptance Test  
20 •

### Jingjin Li



UI changes 2 •

### CHENGYU ZHANG



Handover 7:56  
Sprint 2 test 5:23 •  
Sprint 2 Test Cases  
26 , 2021 •  
Sprint 2 Performance  
Test Report 26 , 2021 •

### YANGFAN XU



Week-11 (17/05 ~ 21  
/05) 26 , 2021 •  
Week-12 (24/05 ~ 28  
/05) 26 , 2021 •

### CHENGYU ZHANG



Sprint 2 Function  
Test Report 26 , 2021 •

### Yichao XU



YB - Release 26 ,  
2021 •

# Project Overview

## Background

This project is to test and further develop a web-based ePortfolio system built by students studying in COMP30022 capstone project in Semester 2, 2020. Our team selected the SwatKats ePortfolio as our development object. Since this project does not have clients, our supervisor will play the role of clients as well. In the following 3 months, we will try our best to expand some significant functions according to new project requirements, improve the user interface design and debug.

Our team will run the project based on the Agile development model. This Confluence space will document the information of project. Trello is used as the kanban board. Team communication is in Microsoft Team and WeChat. Source code is in our Github

## Goals

- To test the basic functions of SwatKat e-portfolio website and fix the bugs.
- To expand SwatKat by adding some functions and better meet the needs of the clients.
- To improve the UI design of SwatKat for easily using and visually appealing.

## Stakeholders

Name	Photo	Contact	Role
Leon Sterling		Email: <a href="mailto:leonss@unimelb.edu.au">leonss@unimelb.edu.au</a>	Supervisor Client

## Team

Name	Contact	Team role	High-level responsibilities
Jiaxin Mo	Email: <a href="mailto:jimo@student.unimelb.edu.au">jimo@student.unimelb.edu.au</a>	Back-end developer Scrum master	<ul style="list-style-type: none"><li>• backend programming</li><li>• motivate the team</li><li>• arrange and facilitate meetings</li><li>• tasks assignment</li><li>• maintain Trello</li><li>• documentation</li></ul>
Xiaoyue LIU	Email: <a href="mailto:xiaoyue4@student.unimelb.edu.au">xiaoyue4@student.unimelb.edu.au</a>	Back-end developer Client liaison	<ul style="list-style-type: none"><li>• backend programming</li><li>• contact with clients and stakeholders</li><li>• motivate the team</li><li>• documentation</li></ul>

## Previous Release:

<https://it-project-eportfolio.herokuapp.com>

## Previous Github:

<https://github.com/Dylanste/IT-project.git>

## SaltyFish Release:

<https://saltyfishwillgraduate.herokuapp.com>

## Github:

<https://github.com/UG-SaltyFish/Team-SaltyFish.git>

## Trello:

<https://trello.com/b/cu93oP9D/web-development>

## Team

<https://teams.microsoft.com/l/channel/19%3acaaced1ae452430794af4b3ae58f0f0f%40thread.tacv2%25E5%25B8%25B8%25E8%25A7%2584?groupId=fc19f6c7-16d5-4bc2-b0fa-280ffac11d19&tenantId=0e5bf3cf-1ff4-46b7-9176-52c538c22a4d>

Chengyu Zhang	Email: chengyuz1@student.unimelb.edu.au	Front-end developer Testing lead	<ul style="list-style-type: none"> <li>• design UI and add new features</li> <li>• design data samples / test cases</li> <li>• test product</li> <li>• maintain github</li> <li>• documentation</li> </ul>
Jingjin Li	Email: jingjinl1@student.unimelb.edu.au	Front-end lead Quality assurance lead	<ul style="list-style-type: none"> <li>• design UI and add new features</li> <li>• coach others</li> <li>• check the product</li> <li>• maintain github</li> <li>• documentation</li> </ul>
Zihan Ye	Email: zy2@student.unimelb.edu.au	Front-end developer	<ul style="list-style-type: none"> <li>• design UI and add new features</li> <li>• active participant</li> <li>• documentation</li> </ul>

## Requirements

### Functional Requirements

1. Get email with forgotten password
2. Google/facebook/twitter login
3. Generate user's ePortfolio URL in clipboard
4. Send email to the ePortfolio user
5. Make a user reset page: reset password, email, name, etc
6. Download/delete transcript file
7. Export ePortfolio as pdf
8. Add/delete section

### Non-Functional Requirements

1. Revive the database for photo/transcript
2. UI redesign: search bar, website logo/name, navigation bar, word format, etc

Written by [Jiaxin Mo](#)

# User Stories

Written by Zihan Ye Jingjin Li Xiaoyue LIU

StoryID	User	Story/Scenario	Priority	Sprint	Completion
1	Owner	As a user, it should be able for me to reset my password when I forget.	High	2	✓
2-1	Owner	As a user, I hope I can log in with my google account, which is convenient for me.	High	1	✓
2-2	Owner	As a user, I hope I can log in with my Facebook account, which is convenient for me.	High	1	✓
3	Owner	As a user, I hope I can delete some unnecessary sections or add sections that I need.	High	1	✓
4	Owner	As a user, I need a setting page which contains functions like resetting password or modifying personal details such as email, username and contact numbers.	High	1	✓
5	Owner	As a user, I wish I can manage files when I do not want it anymore or download it.	Medium	2	✓
6	Owner	As a user, I wish I could copy my ePortfolio address to the clipboard, instead of type it by myself.	Medium	2	✓
7	Visitor	As an employer/peer, I wish to send message to profile owner by email, so that I can get contact and know more about the owner.	Low	2	✓
8	Visitor	As a user, I wish I can download my ePortfolio page as a pdf file to be used as a resume.	Low	2	✓
9	Owner	As a user, I want this website have a better layout so that I can use it in an easier way.	Low	1	✓

# Use Case Model

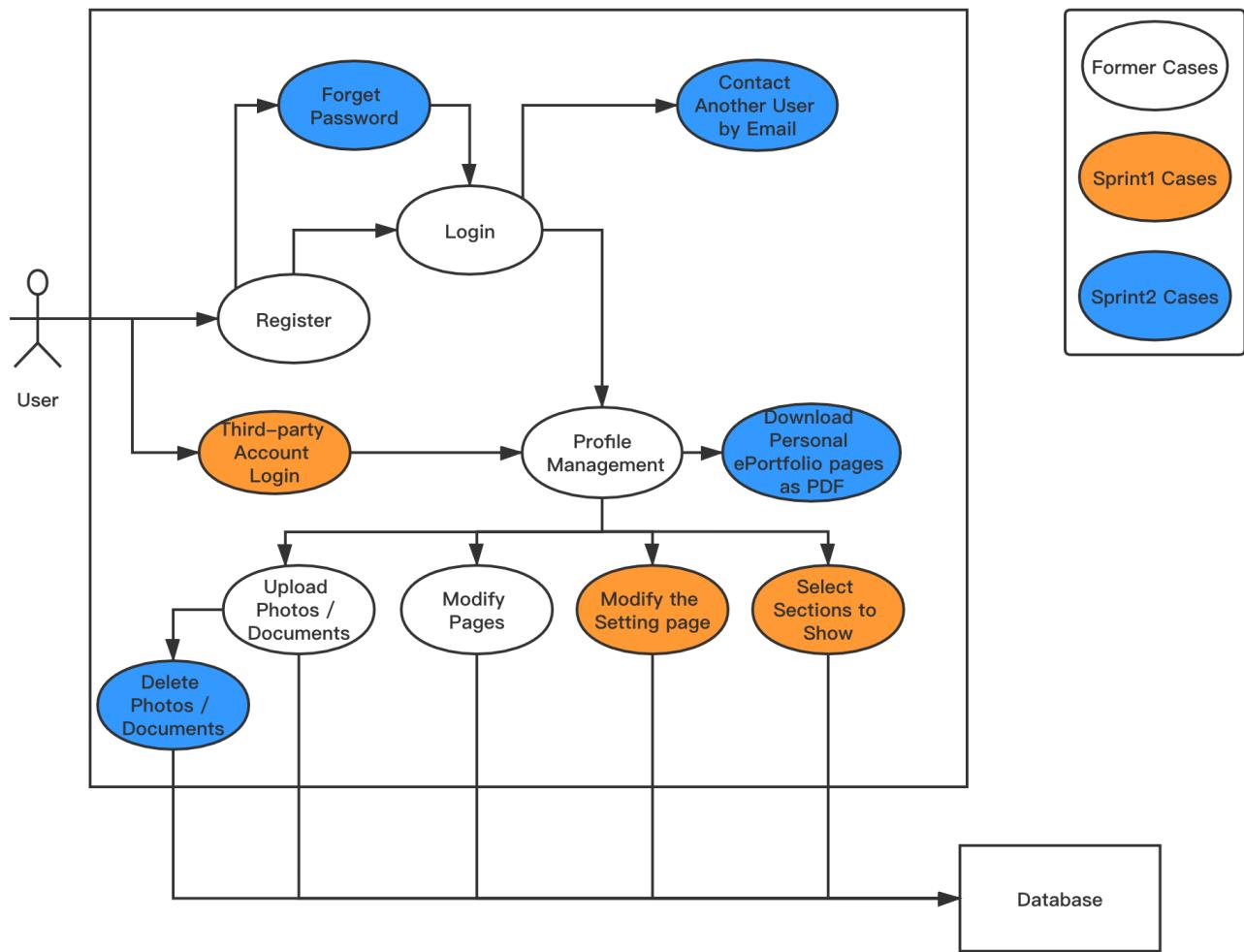


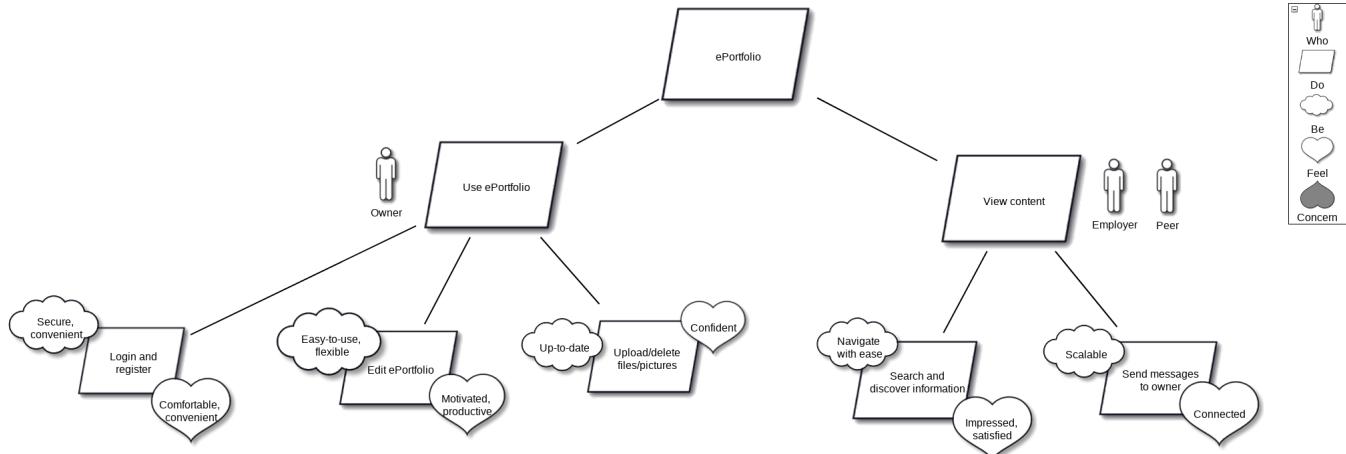
Figure: Use Case Model of Our Project

# Motivational Model

Created by Jiaxin Mo

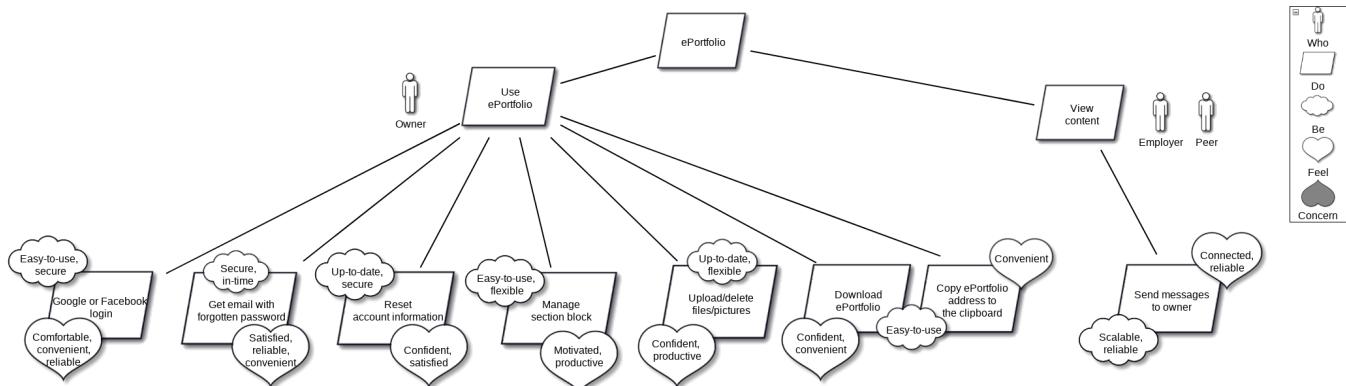
## Version 1

Who	Do (Functional Goal)	Be (Quality Goal)	Feel (Emotional Goal)
Owner	Edit ePortfolio	Easy-to-use, flexible	Motivated, productive
	Login and register	Secure, convenient	Comfortable, convenient
	Upload/delete files/pictures	Up-to-date	Confident
Employer & Peer	Search and discover information	Navigate with ease	Impressed, satisfied
	Send messages to owners	Scalable	Connected



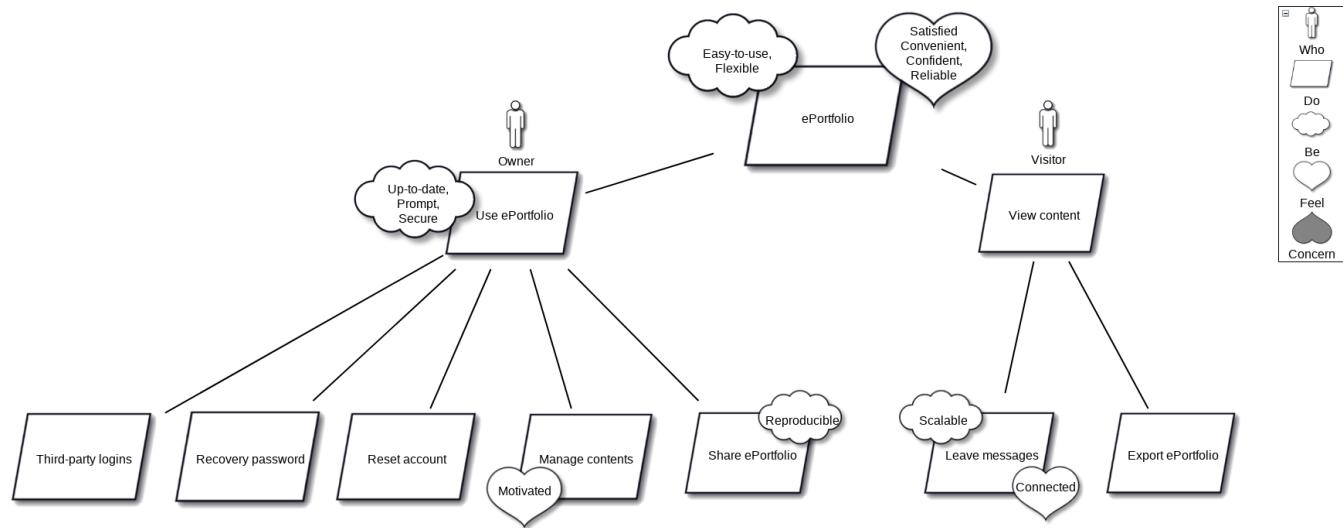
## Version 2

Who	Do (Functional Goal)	Be (Quality Goal)	Feel (Emotional Goal)
Owner	Get email with forgotten password	Secure, in-time	Satisfied, reliable, convenient
	Google or Facebook login	Easy-to-use, secure	Comfortable, convenient, reliable
	Upload/delete files/pictures	Up-to-date, flexible	Confident, productive
	Manage section block	Easy-to-use, flexible	Motivated, productive
	Reset account information	Up-to-date, secure	Confident, satisfied
	Copy ePortfolio address to the clipboard	Easy-to-use	Convenient
	Download ePortfolio	Easy-to-use	Confident, convenient
Employer & Peer	Send messages to owners	Scalable, reliable	Connected, reliable



## Version 3

	<b>Do (Functional Goal)</b>	<b>Be (Quality Goal)</b>	<b>Feel (Emotional Goal)</b>	<b>Who</b>
Use ePortfolio	Recovery password	Secure, prompt	Satisfied, reliable, convenient	Owner
	Third-party logins	Easy-to-use, secure, prompt	Convenient, reliable	Owner
	Manage files/section block	Up-to-date, modular, flexible	Confident, motivated, satisfied	Owner
	Reset account	Up-to-date, secure	Reliable	Owner
	Share ePortfolio with link	Reproducible	Convenient, reliable	Owner
View ePortfolio	Leave messages by emails	Scalable, flexible	Connected, reliable, satisfied	Visitor
	Export ePortfolio	Easy-to-use, flexible	Confident, convenient	Visitor



# Software Architecture Model

Created by CHENGYU ZHANG

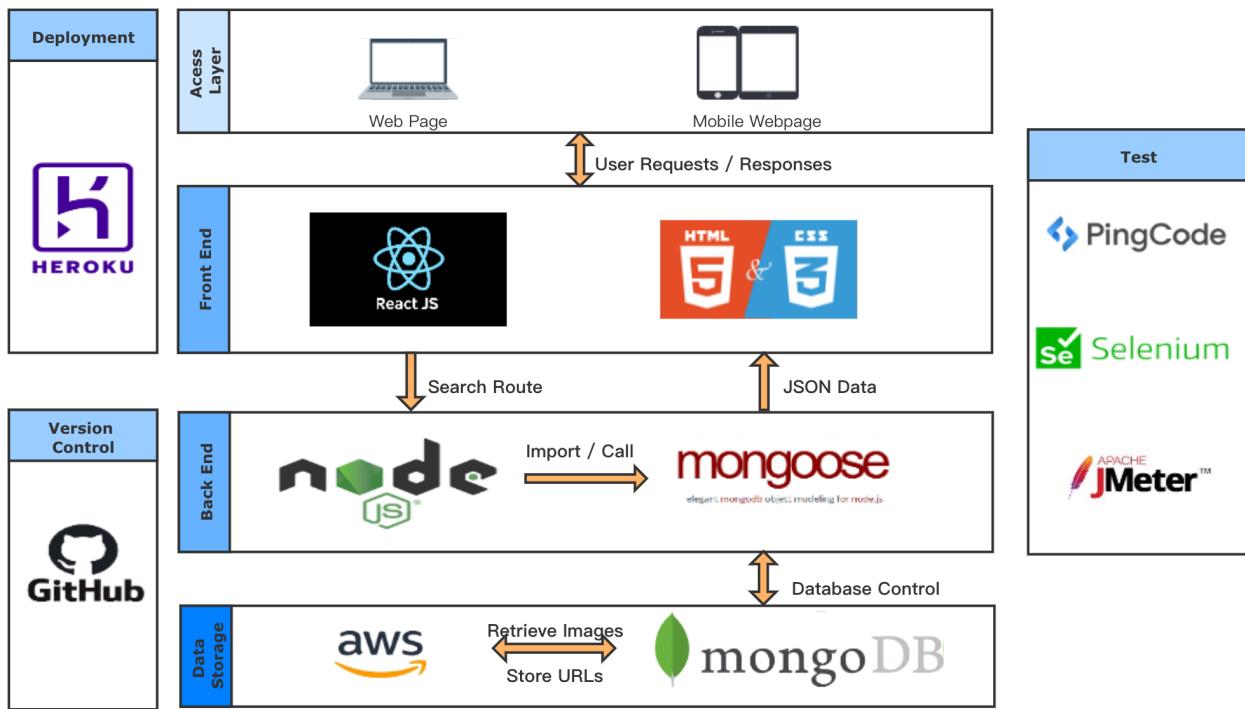


Figure: Software Architecture Model of Our Site

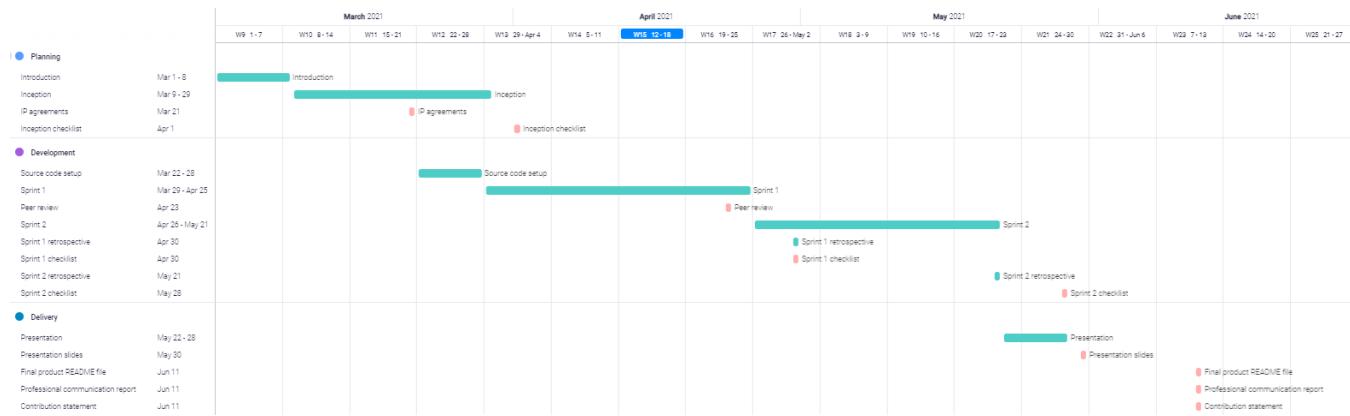
# Timeline & Gantt Chart

Created by [Jiaxin Mo](#)

## Timeline



## Gantt Chart



# Meetings

- Supervisor Meetings
- Team Meetings

# **Supervisor Meetings**

- Inception Review
- Sprint1 Review

# Inception Review

Date & Time: 2021-4-23 13:30-14:00

Location: Zoom

Recorded by: Xiaoyue Liu

Attendees: Leon Sterling

Jiaxin Mo

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Jingjin Li

Items discussed:

Item	Decision
Motivational Model	Clarify the stakeholders on the "Who" attribute in the "Who Do Be Feel" chart. Streamline the quality goal and emotional goal in the diagram, and move the quality and emotional goal that most functional goals have to a higher level.
Architecture Model	updates the Software Architecture Model diagram.
Team Meetings	Add supervisor Meeting in the team meeting
Checklist	Clarify the deployment question.
User Stories	Split user stories into details.
Use case model	updates the use case model diagram.

Agreement:

Task	Who Is Responsible	Deadline
updates the motivational model	Jiaxin Mo	2021-4-30
updates the architecture model	Chengyu Zhang	2021-4-23
updates the use case model	Chengyu Zhang	2021-4-23
add supervisor meeting	Xiaoyue Liu	2021-4-23
Checklist	Xiaoyue Liu	2021-4-27
User Stories	The corresponding person of the user stories	2021-4-30

# Sprint1 Review

Date & Time:2021-5-14 12:30-13:00

Location: Zoom

Recorded by: Jiaxin Mo

Attendees: Leon Sterling

Jiaxin Mo

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Jingjin Li

Items discussed:

Item	Decision
Project Overview	Reduce unnecessary titles and links
Meeting minutes	Date in agenda should be consistent with actual one. Need to add the time when the meeting ends.
Backend Document	Remove codes, and just indicates which files there are in repository.
Deployment Document	Move to main root above 'Release'.
Others	User Stories, Motivational Model, Timeline, Test, Readme and github repository are good.

Agreement:

Task	Who is responsible	Deadline
Update Project Overview, Backend Document, Deployment Document, Meeting minutes	Jiaxin Mo	2021-5-21

# Team Meetings

- Team Meeting Week2
- Team Meeting Week3
- Team Meeting Week4
- Sprint1 Planning
- Sprint1 Meeting 6/4 (breaking)
- Sprint1 Meeting Week6
- Sprint1 Meeting Week7
- Sprint1 Retrospective
- User acceptance test (Beta test) Meeting 27/4
- Sprint2 Planning
- Sprint2 Meeting week9
- Sprint2 Meeting Week10
- Sprint2 Meeting Week11
- Sprint2 Retrospective

# Team Meeting Week2

## Agenda

Date & Time:2021-3-12 14:00

Location: Zoom

Goals:

1. discuss and find an alternative project

---

## Meeting Minutes

Date & Time:2021-3-12 14:00-15:00

Location: Zoom

Recorded by: Jiaxin Mo

Attendees:

Jiaxin Mo

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Jingjin Li

Items discussed:

Item	Decision
discuss and find an alternative project	Will do SwatKat project

Agreement:

Task	Who is responsible	Deadline
send an email to inform our supervisor about the change of project	Xiaoyue Liu	2021-3-12
read through the report of SwatKat	all	2021-3-19

# Team Meeting Week3

## Agenda

Date & Time:2021-3-16 22:00

Location: Zoom

Goals:

1. Analyze SwatKat
2. Discuss the team role
3. Discuss the requirements to be added
4. Discuss work division

---

## Meeting Minutes

Date & Time:2021-3-16 22:00-23:40

Location: Zoom

Recorded by: Jiaxin Mo

Attendees:

Jiaxin Mo

Jingjin Li

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Items discussed:

Item	Decision
Analyze and discuss the requirements to be added in SwatKat.	<p>Initial features we found by analysing the SwatKat website. We will select some of them to extend.</p> <p>add features:</p> <ol style="list-style-type: none"><li>1. forget password (email authentication code login)</li><li>2. google/fackbook/twitter login</li><li>3. edit background</li><li>4. progress completion prompt</li><li>5. privacy(who can see or not)</li><li>6. generate user's ePortfilo URL (copy URL to clipboard)</li><li>7. send email to the user its ePortfilo (online chat)</li><li>8. UI redesign-search bar; website name; home page picture; word format</li><li>9. a setting page: reset password, email, name, contact detail, links for github/....</li><li>10. delete file/photo</li><li>11. github/linkedin button</li><li>12. delete section button</li><li>13. download as pdf button</li><li>14. add section button for other</li></ol> <p>fix bugs:</p> <ol style="list-style-type: none"><li>1. translation bug</li><li>2. user photo/transcript/gallery database</li></ol>
Discuss the team roles	Fill up the table by next Tue.
Discuss the implementation of front-end and back-end technologies	Initially suggested VScode or Webstorm as IDE, using JavaScript language, mongoDB and AmazonS3 service as database.

Agreement:

Task	Who is responsible	Deadline

create a github for group	Chengyu Zhang	2021-3-19
fill up the team role table	all	2021-3-23
clone and run the code in local computer	all	2021-3-23

# Team Meeting Week4

## Agenda

Date & Time: 2021-3-22 16:30

Location: Microsoft Teams

Goals:

Discuss the user stories, sprints, and motivational model.

Finish the checklist.

Discuss the github code of Swatkats

---

## Meeting Minutes

Date & Time: 2021-3-22 16:30-17:40

Location: Microsoft Teams

Recorded by: Xiaoyue Liu

Attendees: Jiaxin Mo

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Jingjin Li

Items discussed:

Item	Decision
Requirements for github in LMS	organize github
Pick up requiements from list and create user stories	sprint 1: 1,9,2,8 sprint 2: 12,6, non-3 (7,11)
Architecture design	update SwatKats one
Inception Checklist	fill in the form
Motivational Model	Draw the model
Check and discuss timeline	a week for seting up code in local computer
Source code in local computer	Set up the code and try to run

Agreement:

Task	Who is responsible	Deadline
Update github	CHENGYU ZHANG	2021-3-31
Complete checklist	CHENGYU ZHANG	2021-3-31
Write User stories (non-3, 7, 11)	Jingjin Li	2021-3-26
Write User stories (2,8,12)	Zihan Ye	2021-3-26
Write User stories (1,9,6)	Xiaoyue LIU	2021-3-26
Draw architecture design diagram	CHENGYU ZHANG	2021-3-26
Draw motivational model	Jiaxin Mo, Xiaoyue LIU	2021-3-26

Update timeline	Jiaxin Mo	2021-3-22
Set up the code	All	2021-3-25

# Sprint1 Planning

## Agenda

Date & Time:2021-3-30 16:00

Location: Microsoft Teams

Goals:

1. Go through inception checklist
2. Reassign team roles
3. Assign user stories of sprint1 to each team member

---

## Meeting Minutes

Date & Time:2021-3-30 16:00-17:30

Location: Microsoft Teams

Recorded by: Chengyu Zhang

Attendees: Jiaxin Mo, Xiaoyue Liu,Jingjin Li, Zihan Ye, Chengyu Zhang

Items discussed:

Item	Decision
Go through checklist	Approved
Split user story 4 into practical steps	Not approved
Reassign role: back end programmer	Jiaxin Mo, Xiaoyue Liu
Reassign role: front end programmer	Jingjin Li, Zihan Ye, Chengyu Zhang
Allocate sprint1 tasks	Done. Please consult Task.

Agreement:

Task	Who is responsible	Deadline
User story 4 front end develop	Jingjin Li	2021-4-7
User story 3 front end develop	Zihan Ye	2021-4-1
User story 1 front end develop	Chengyu Zhang	2021-4-7
User story 2 front end develop	Chengyu Zhang	2021-4-1
User story 1 back end develop	Xiaoyue Liu	2021-4-9
User story 4 back end develop	Xiaoyue Liu	2021-4-10
User story 2 back end develop	Jiaxin Mo	2021-4-7
User story 3 back end develop	Jiaxin Mo	2021-4-6

# Sprint1 Meeting 6/4 (breaking)

## Agenda

Date & Time:2021-4-6 23:00

Location: Microsoft Teams

Goals:

1. check the process of each task
2. discuss the difficulty encountered in the process of developing
3. determine the deadline for each task

## Meeting Minutes

Date & Time:2021-4-6 23:00-00:10

Location: Microsoft Teams

Recorded by: Zihan Ye

Attendees:

Jiaxin Mo

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Items discussed:

Item	Decision
discuss about the feasible design for forgetting password requirement	When a user forget his password, he is able to reset the password by clicking the forget password button. After clicking the button, he would receive an email, which would help him reset the password.
discuss how to deal with the add section and delete section requirements	Instead of creating two buttons to meet the requirements, we decided that we would only create one button, which allows users to select which section would be visible in profile page.
modify the plan of sprint	We find maybe the time for sprint 1 is too short. Thus, we decided to move the user story 1 from sprint 1 to sprint 2.
discuss cooperation between backend members and frontend members.	The frontend members should finish their tasks by April 12, to leave enough time for backend members to design the data structure and build the database.

Agreement:

Task	Who is responsible	Deadline
finish the frontend part of user story 3	Zihan Ye	2021-4-12
finish the frontend part of user story 2	Chengyu Zhang	2021-4-16
finish the ui design of user story 4	Jingjin Li	2021-4-9
finish the backend of user story 4	Jiaxin Mo	2021-4-16
make a test plan	Chengyu Zhang	2021-4-12

# Sprint1 Meeting Week6

## Agenda

Date & Time:2021-4-14 23:00

Location: Microsoft Teams

Goals:

1. check the process of each task
2. check the presentation of the Architecture design
3. discuss the difficulty encountered in the process of developing
4. determine the deadline for each task
5. reassigned people for sprint 2

## Meeting Minutes

Date & Time:2021-4-14 23:00-00:40

Location: Microsoft Teams

Recorded by: Jingjin Li

Attendees: Jiaxin Mo

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Jingjin Li

Items discussed:

Item	Decision
AWS can't link the payment card	1.send emails to former developers and ask for account number and password. 2.change a database provider
add the design document for our project	design document should be added on confluence after each task has finished
display of the Architecture design	Chengyu made the Architecture design and everyone satisfied with the display
frontend developer and backend developer unbalanced for sprint 2	Zihan Ye will become a backend developer in sprint 2
task unbalanced	change user story 1 to sprint 2; change user story 9 to sprint 1

Agreement:

Task	Who is responsible	Deadline
presentation of the Architecture modal	Chengyu Zhang	2021-4-16
demonstrate test plan to supervisor	Chengyu Zhang	2021-4-16
create public branch for sprint 1	Jingjin Li	2021-4-15
user story 9: improve UI design	Jingjin Li	2021-4-23
update design document	Jingjin Li, Jiaxin Mo, Zihan Ye	2021-4-29
link AWS	Xiaoyue Liu, Jiaxin Mo	2021-4-23
finish the backend of user story 3	Xiaoyue Liu	2021-4-19

# Sprint1 Meeting Week7

## Agenda

Date & Time:2021-4-20 23:00

Location: Microsoft Teams

Goals:

1. retrospective and review
2. peer review
3. how to merge github branch
4. sprint 1 checklist and rubric
5. user story 2: google/facebook login
6. user story 9: UI design

## Meeting Minutes

Date & Time:2021-4-20 23:00-1:20

Location: Microsoft Teams

Recorded by: Jiaxin Mo

Attendees:Jiaxin Mo

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Jingjin Li

Items discussed:

Item	Decision
time for sprint 1 retrospective	Friday night, 23/04/2021,
peer review	finish by 23/04/2021
sprint1 checklist content	went through the checklist and rubric. document tasks assigned
merge github branch	current branch: <your branch> => push changes to your branch => branch: merge into current branch from branch "sprint 1"
architecture models and design	completed use case, component models. need to ask about class diagrams, component diagrams, sequence diagrams, journey maps.
retrospective document	create an online document, everyone write on it. finish by next Monday, and discuss.
user story 2: google /facebook login	cannot do Facebook login at the moment due to account problem. Chengyu share information to Jiaxin, and work together
user story 9: UI design	some changes on home, profile page
user story 3: section model design	changes expected: horizontal expansion; default tick

Agreement:

Task	Who is responsible	Deadline
sprint1 test document	Chengyu Zhang	2021-4-29
deployment document	Jiaxin Mo	2021-4-26
checklist	Xiaoyue Liu	2021-4-29
retrospective document	all	2021-4-26

u9-2: UI design	Jingjin Li	2021-4-23
u3: section model design	Zihan Ye	2021-4-26

# Sprint1 Retrospective

Date & Time: 2021-4-26 15:00-17:00

Location: Microsoft Teams

Attendees: Jiaxin Mo

Xiaoyue Liu

Jingjin Li

Zihan Ye

Chengyu Zhang

Items discussed:

Goals that we achieved in Sprint 1	Goals that we didn't achieve in Sprint 1
<ul style="list-style-type: none"><li>User Story 2: Completed the development of Facebook and Google registration and login functions.</li><li>User Story 3: Completed the development of Section Management function.</li><li>User Story 4: Completed the reset page design and realized the reset user name, user email, password functions.</li><li>User Story 9: Finished the new UI design in home page, profile page and login page.</li><li>Function test of sprint 1.</li></ul>	<ul style="list-style-type: none"><li>User Story 1: Send an email for forgotten password.</li></ul> <p>WHY: We didn't make a good estimate of the difficulty of each story during the planning, which caused our schedule very full in sprint 1.</p> <ul style="list-style-type: none"><li>Failed to deploy in heroku.</li></ul> <p>WHY: We were unable to find the application error.</p>

What did we do well	What should we have done better
<ul style="list-style-type: none"><li>Consistent with regular meetings once a week, and well documented.</li><li>Held constant daily stand-ups.</li><li>Effective communication via Microsoft teams and Wechat.</li><li>Everyone was fully devoted to the project with enthusiasm.</li><li>Worked cohesively as a team in a harmonious atmosphere.</li><li>Asked the supervisor and SwatKatz group for help actively.</li><li>Team members understood their duties and roles better.</li><li>Managed and tracked individual processes in Trello.</li><li>Updated confluence document thoroughly and timely.</li><li>Well organized code repository in Github with branches. Demonstration before merging to "sprint1" branch.</li><li>Willing to learn new technologies.</li></ul>	<ul style="list-style-type: none"><li>Analyze the project source before we choose it.</li><li>Analyze the difficulties of each user story before we plan the schedule of the tasks.</li><li>Each User story should be smaller, which can be completed within 3-5 days.</li><li>Discuss more about the task assignment to prevent unbalance.</li><li>Team members should manage time better when they have other things in their hand.</li><li>The code should be commented in more detail.</li><li>Regular update Github release tag and changelog when completing every feature.</li></ul>

# User acceptance test (Beta test) Meeting 27/4

## Agenda

Date & Time: 2021-4-27 20:00

Location: Tcent Teams

Host: Chengyu Zhang

Participants: Client representatives

Goals:

1. Conduct user acceptance test
2. Test functional requirements in Sprint 1
3. Check whether user interface design of our system could meet expectations
4. Discuss how to improve our system
5. Ask clients if they have additional requirements

## Meeting Minutes

Date & Time: 2021-4-27 20:00-22:00(Beijing time)

Location: Tcent Teams

Recorded by: Chengyu Zhang

Host: Chengyu Zhang

Client representatives Yang Cui, second-year MIT student of UoM

Nanxuan Li, second-year CS student of UoM

### Items discussed:

1. Help users download source codes and build running environment.

2. Conduct beta test

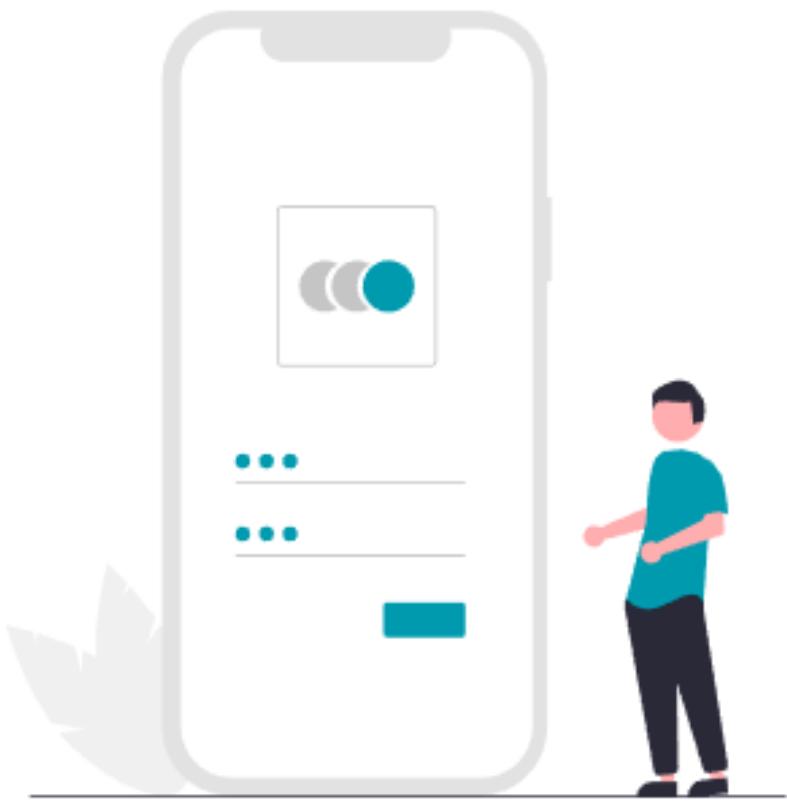
Process ID	User story	Test Type	Test Name	Status
1	2-1	Function test	Google Login - existing account and correct password.	Pass
2	2-1	Function test	Google Login - existing account and incorrect password.	Pass
3	2-1	Function test	Google Login - not existing account and correct password.	Pass
4	2-1	Function test	Google Login - account with registered email address and correct password.	Pass
5	2-2	Function test	Facebook Login - existing account and correct password.	Pass
6	2-2	Function test	Facebook Login - existing account and incorrect password.	Pass
7	2-2	Function test	Facebook Login - not existing account and correct password.	Pass
8	2-2	Function test	Facebook Login - account with registered email address and correct password.	Pass
9	3	Function test	Select all sections to show.	Pass
10	3	Function test	Select none section.	Pass
11	3	Function test	Select one section.	Pass

12	3	Function test	Select two sections.	Pass
13	3	Function test	Select three sections.	Pass
14	3	Function test	Select four sections.	Pass
15	3	Function test	Select five sections.	Pass
16	4	Function test	Reset only username, login with new username.	Pass
17	4	Function test	Reset only username, login with old username.	Pass
18	4	Function test	Reset only email, login with new email.	Pass
19	4	Function test	Reset only email, login with old email.	Pass
20	4	Function test	Reset only password, confirm new password, login with new username.	Pass
21	4	Function test	Reset only password, confirm old password.	Pass
22	4	Function test	Reset only password, confirm new password, login with old username.	Pass
23	4	Function test	Reset username, email, password, confirm new password, login with new username, new email and new password.	Pass

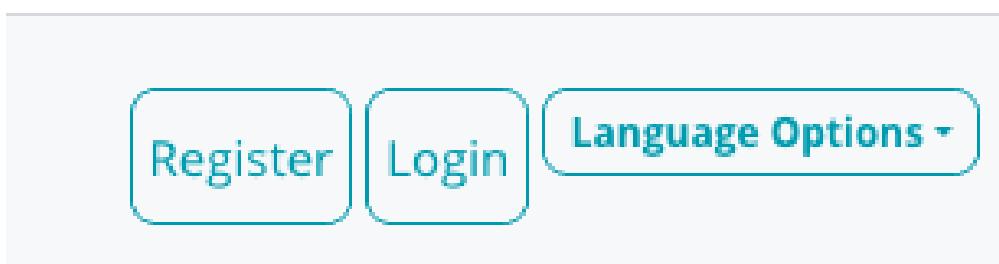
### 3.Discuss UI design of the system.

Suggestions from client representatives:

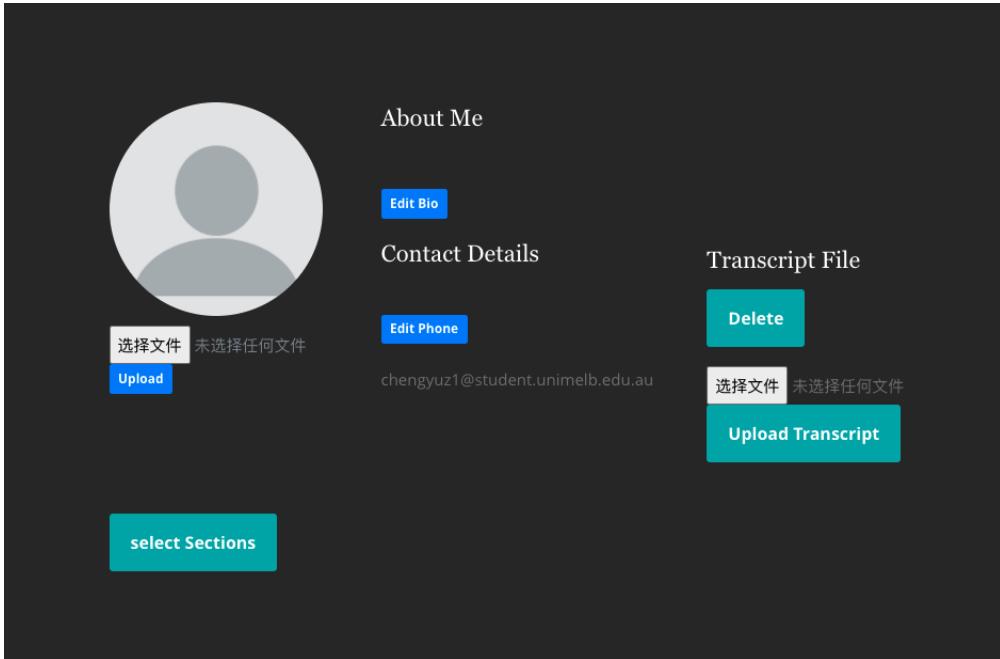
- The image below indicates that the mobile phone should be replaced with screen of a desktop. This is because our product is designed for computer user.



- As shown in the image below, the size of the buttons are not matched.



- Consulting the image below, the layout of the 'personal information' part is a bit messy. It is better to create a new page for this part.



#### 4. Discuss how to improve our system:

- Performance of the system is needed to be improved. The client representatives found that it took some time for the server to wake up from sleeping mode. Additional methods should be done to cut down the waiting time.
- User interface needs more beautification. Clients advise the team to learn from a skillful UI designer so as to get a better idea of theories and methods of UI/UX design. This would help us to design a better layout of our website.

#### 5. Ask if clients have extra requirements:

- No, both two client representatives think highly of our product. Although there are still some improvements needed to be done regarding UI design and performance of the system, all the functional requirements have been achieved at a high level, and there are no more functional specifications needed to be met.

Overall, clients praised the team for the hard work they did in the past month, and thought highly of functions the team added to the system. They are eager to see what surprise we would bring to them in sprint 2.

# Sprint2 Planning

## Meeting Minutes

Date & Time: 2021-4-26 17:00-18:10

Location: Microsoft Teams

Recorded by: Jingjin Li

Attendees: Jiaxin Mo, Xiaoyue Liu, Jingjin Li, Zihan Ye, Chengyu Zhang

Goals:

1. Go through inception checklist
2. Reassign team roles
3. Assign user stories of sprint2 to each team member

Items discussed:

Item	Decision
Go through checklist	Approved
Reassign role: back end programmer	Jiaxin Mo, Xiaoyue Liu, Zihan Ye
Reassign role: front end programmer	Jingjin Li
Reassign role: test programmer	Chengyu Zhang
Allocate sprint2 tasks	Done. Please consult Task.

Agreement:

Task	Who is responsible	Deadline
User story 1 front end develop	Jingjin Li	2021-4-30
User story 5 front end develop	Jiaxin Mo	2021-4-26
User story 6 front end develop	Jingjin Li	2021-5-3
User story 7 front end develop	Jingjin Li	2021-5-14
User story 8 front end develop	Jingjin Li	2021-5-24
User story 1 back end develop	Zihan Ye	2021-5-7
User story 5 back end develop	Jiaxin Mo	2021-5-7
User story 6 back end develop	Xiaoyue Liu	2021-5-7
User story 7 back end develop	Zihan Ye	2021-5-21
User story 8 back end develop	Jiaxin Mo, Xiaoyue Liu	2021-5-27
Test Plan for Sprint 2	Chengyu Zhang	2021-5-7
Design test cases for Sprint 2	Chengyu Zhang	2021-5-14
Function test for Sprint 2	Chengyu Zhang	2021-5-25

# Sprint2 Meeting week9

## Agenda

Date & Time:2021-5-5 23:00

Location: Microsoft Teams

Goals:

1. Sprint 2 process
2. Report of front-end developing outcome
3. Create the working plan for next week
4. Deal with deployment problem

## Meeting Minutes

Date & Time:2021-5-5 23:00-24:00

Location: Microsoft Teams

Recorded by: Chengyu Zhang

Attendees:Jiaxin Mo

Xiaoyue Liu

Jingjin Li

Zihan Ye

Chengyu Zhang

Items discussed:

Item	Decision
Current process for sprint 2	Front-end development for user story 1&5
Front-end of user story 1	Finished. start back-end development for this user story.
Front-end of user story 5	Finished. start back-end development for this user story.
Deployment problem	Unfinished. cannot connect to Heroku. Not yet decide whether to transfer to Netlify.
Reassign tasks	Reassign user story 6&8

Decision:

Task	Who is responsible	Deadline
Full-stack development for User story 6	Xiaoyue Liu	2021-5-14
Full-stack development for User story 8	Jiaxin Mo	2021-5-14
Deployment problem - Heroku	All team members	2021-5-21
Deployment problem - Netlify	All team members	2021-5-21

# Sprint2 Meeting Week10

## Agenda

Date & Time:2021-5-12 23:00

Location: Microsoft Teams

Goals:

## Meeting Minutes

Date & Time:2021-5-12 23:00-24:30

Location: Microsoft Teams

Recorded by: Xiaoyue Liu

Attendees: Jixin Mo

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Jingjin Li

Items discussed:

Item	Decision
Implementation	User story 6 and 7 finalize.
Deployemnt	Solve Heroku error.
Time Arrangement	Reschedule the timeline before the presentation.
Testing	Features testing

Agreement:

Task	Who is responsible	Deadline
User story 6	Xiaoyue Liu	2021-5-14
User story 7	Zihan Ye	2021-5-21
Heroku deployment	Jixin Mo, Jingjin Li, Xiaoyue Liu, Chengyu Zhang.	2021-5-21
Testing	Chengyu Zhang	2021-5-21

# Sprint2 Meeting Week11

## Agenda

Date & Time:2021-5-18 15:30

Location: Microsoft Teams

Goals:

## Meeting Minutes

Date & Time:2021-5-18 15:30-17:40

Location: Microsoft Teams

Recorded by: Zihan Ye

Attendees: Jiaxin Mo

Xiaoyue Liu

Chengyu Zhang

Zihan Ye

Jingjin Li

Items discussed:

Item	Decision
Testing	Check Testing plan
Presentation	Assign tasks for everyone
Implementation	Handle issues arose in development process

Agreement:

Task	Who is responsible	Deadline
Presentation - Team Introduction, Requirements, Technologies and Tools	Jiaxin Mo	2021-5-23
Presentation - Challenges and Lessons	All	2021-5-23
Presentation - Demonstration	Xiaoyue Liu	2021-5-28
Backend Development - US7	Zihan Ye	2021-5-21
US2 improvement	Xiaoyue Liu	2021-5-21
Testing	Chengyu Zhang	2021-5-21

# Sprint2 Retrospective

Date & Time: 2021-5-25 15:00-16:10

Location: Microsoft Teams

Attendees: Jiaxin Mo

Xiaoyue Liu

Jingjin Li

Zihan Ye

Chengyu Zhang

Items discussed:

Goals that we achieved in Sprint 2	Goals that we didn't achieve in Sprint 2
<ul style="list-style-type: none"><li>User Story 1: Completed the development of getting email with a forgotten password.</li><li>User Story 5: Finished the function of downloading and deleting files.</li><li>User Story 6: Completed the development of copying URL to clipboard.</li><li>User Story 7: Completed the development of sending emails to contact another user.</li><li>User Story 8: Completed the development of downloading users' profiles in PDF format.</li><li>Function tests of sprint 2.</li><li>Performance tests of our system and user acceptance tests.</li><li>Deploy app on Heroku.</li></ul>	<ul style="list-style-type: none"><li>The details of some functions are not well handled. e.g., print portfolio with background, a large black area appears at the end. WHY: We pay more attention to the realization of functions, but not for optimization.</li></ul>

What did we do well	What should we have done better
<ul style="list-style-type: none"><li>Consistent with regular meetings once a week and stand up, and well documented.</li><li>Effective communication via Microsoft teams and Wechat.</li><li>Everyone was fully devoted to the project with enthusiasm.</li><li>Worked cohesively as a team in a harmonious atmosphere.</li><li>Team members understood their duties and roles better.</li><li>Regularly managed project progress in Trello.</li><li>Updated confluence document regularly.</li><li>Generally finished all goals in time.</li></ul>	<ul style="list-style-type: none"><li>The code should be commented in more detail.</li><li>We should leave more time for regression tests and defects tracking.</li><li>We should manage our time effectively so that we can review the product and have better quality control.</li><li>We should reply to the email of stakeholders in time to express our thanks and respect.</li><li>We should record the contents of the tutorial, which we can review when we forget some details about assignments.</li><li>We should clearly record the time of each meeting.</li></ul>

# Front-end Document

- UI changes
- US1: Forget password
- US2: Google/Facebook Login
- US3: Delete and Add Sections
- US4: Reset Page
- US5 & US8: Download/delete Transcript File & Export ePortfolio
- US6: Copy ePortfolio address to the clipboard
- US7: Send Messages to ePortfolio Owner

# UI changes

1. We add a logo on the top of every page like the figure 1:



Figure 1: Saltyfish logo

2. We made the home page image smaller so it looks match with the search bar:

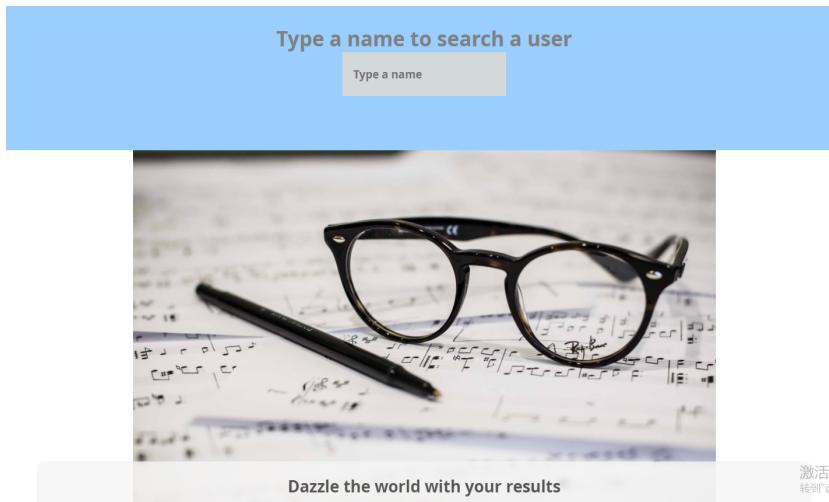


Figure 2: Home page image and search bar

3. We changed the image in login page:

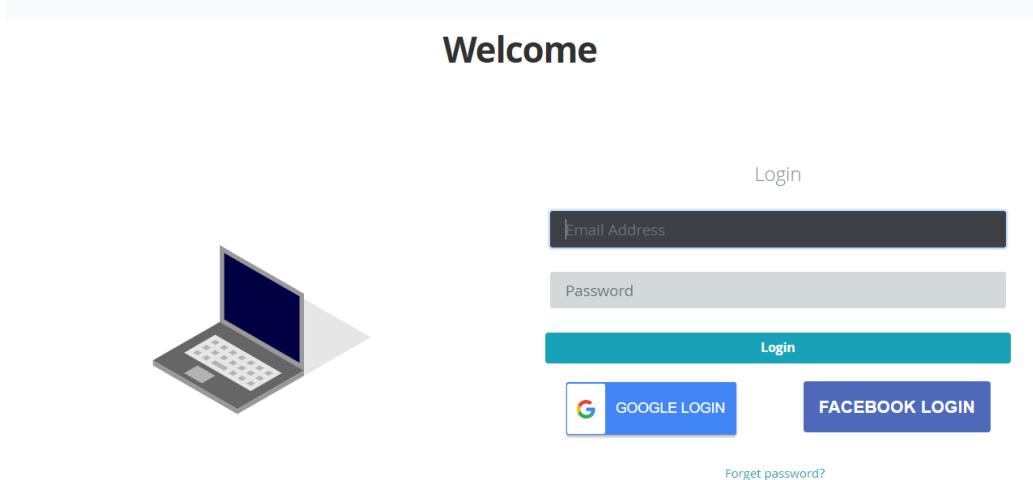


Figure 3: Login Page image

4. We changed the top bar in profile page:



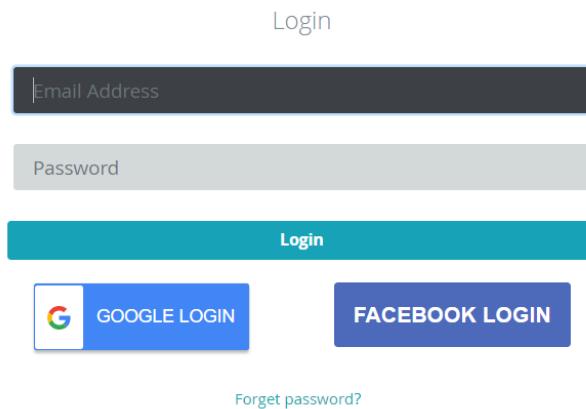
Figure 4: Top bar of the profile page

# US1: Forget password

Written by Jingjin Li

A "forgot password?" button was added at the bottom of "Login" button. The function of this button is to let the user get the password via email.

## Welcome



The image shows a login page with the following elements:

- A "Login" link at the top right.
- An "Email Address" input field.
- An "Password" input field.
- A large teal "Login" button.
- Two social login buttons: "GOOGLE LOGIN" and "FACEBOOK LOGIN".
- A small teal "Forget password?" link at the bottom right.

Figure 1: login page with the "Forget password?" button

After click the "Forget password?" button the dialog box will pop out. In this box the user can enter their login email and click submit. After submitted the email the system will send the password to that email so the user can use that email to login.

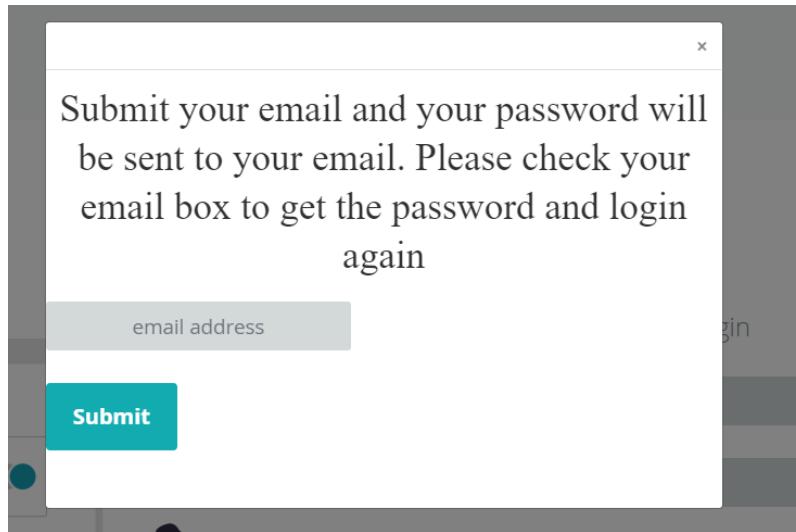


Figure 2: pop out box

# US2: Google/Facebook Login

Written by CHENGYU ZHANG

In our initial expectation, we decided to realize four types of third-party login, including Google login, Facebook login, Wechat login and Weibo login. The latter two are two main online communicating tools widely used in China.

However, since Wechat charges additional 99\$ for developers to use its authorization APIs, and Weibo only permits registered companies to call its APIs, we only realized Google login and Facebook login.

Below is the interface of third-party login function:

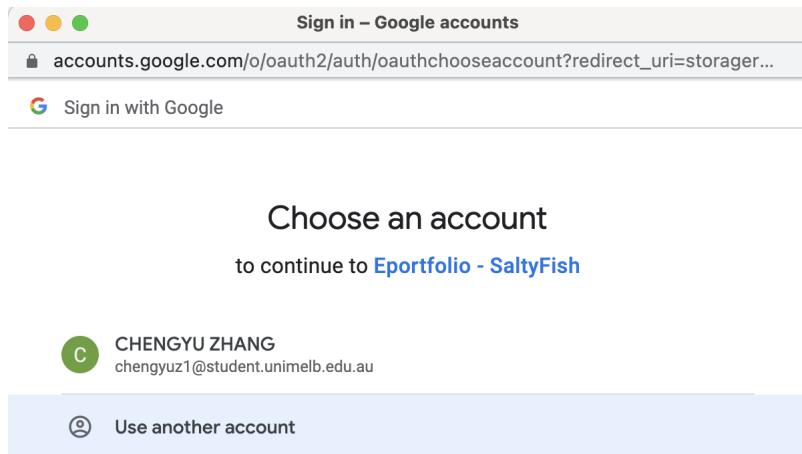
The screenshot shows the application's login interface. At the top left is the logo 'SwatKats SALTYFISH'. At the top right are 'Register', 'Login', and 'Language Options' buttons. The center of the screen displays the word 'Welcome'. Below it is a large graphic of a smartphone showing a login screen with a user profile picture and three dots. To the right of the phone is a small illustration of a person standing. To the right of the phone is a 'Login' form. The form includes fields for 'Email Address' and 'Password', a 'Login' button, and two social login buttons: 'GOOGLE LOGIN' and 'FACEBOOK LOGIN'. Below the buttons is a 'Forget password?' link. At the bottom of the page, there is a footer section with the text 'Swat Kats' and 'Salty Fish' on the left, and 'Created By' and 'Extended By' sections on the right, each listing several names.

Created By	Extended By
Aneesh Chattaraj	Jiaxin Mo
Dylan Stewart	Jingjin Li
Ian Teh Jing Wen	Xiaoyue Liu
Ragev Narayanan	Chengyu Zhang
Zhi Jie Slow	Zihan Ye

Followings are about front-end design of this function.

## 1. Google Login

Firstly, we click the "GOOGLE LOGIN" button on the left side of the line below the "Login" button. Then, there would be a pop out window. This window is mainly designed for users to decide whether or not to accept Google authorization to visit their profiles and data stored in database of our application.



To continue, Google will share your name, email address, language preference and profile picture with Eportfolio - SaltyFish. Before using this app, you can review Eportfolio - SaltyFish's [privacy policy](#) and Terms of Service.

English (United Kingdom) ▾

[Help](#) [Privacy](#) [Terms](#)

If we only have one Google account, we could choose to login with that account. However, if we want to use another Google account, we could click the "Use another account" button. Then we would move to the following page:

 Sign in with Google

## Sign in

to continue to [Eportfolio - SaltyFish](#)

Email or phone

[Forgot email?](#)

[Create account](#)

[Next](#)

English (United Kingdom) ▾

[Help](#)

[Privacy](#)

[Terms](#)

We could either input a Google account together with its password, or create a new account. In this step, I added two accounts:

 Sign in with Google

## Choose an account

to continue to [Eportfolio - SaltyFish](#)



CHENGYU ZHANG

chengyu1@student.unimelb.edu.au



张丞宇

zhangchengyu56@gmail.com



chengyu zhang

chengyuzhang999@gmail.com



Use another account

To continue, Google will share your name, email address, language preference and profile picture with Eportfolio - SaltyFish. Before using this app, you can review Eportfolio - SaltyFish's [privacy policy](#) and Terms of Service.

English (United Kingdom) ▾

Help

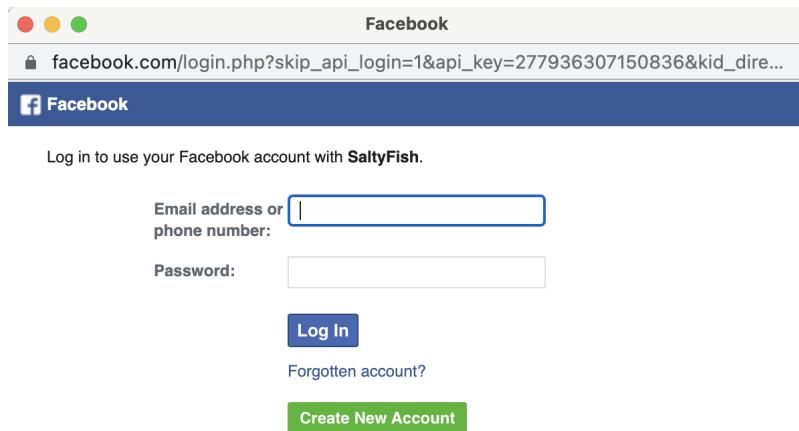
Privacy

Terms

In such a case that we have multiple Google accounts, we could choose one of them to login to our system. Then, we would be redirected to the profile page, which would be illustrated in the back-end implementation of third-party login functions.

### 2. Facebook Login

Similar to Google login, we firstly click the "FACEBOOK LOGIN" button on the right side of the line below the "Login" button. Then, there would be a pop out window. This window is mainly designed for users to decide whether or not to accept Facebook authorization to visit their profiles and data stored in database of our application.



If we only have one Facebook account, we could choose to login with that account. In such a case, we input a Facebook account together with its password. However, if we want to use another Facebook account, we could click the "Create New Account" button. Then we would jump to a new page to create a new account:

**facebook**

Email or phone  Password  Log In  
Forgotten account?

## Create a new account

It's quick and easy.

First name  Surname

Mobile number or email address

New password

Date of birth  ?  
25  Apr  2021

Gender  
 Female  Male  Custom

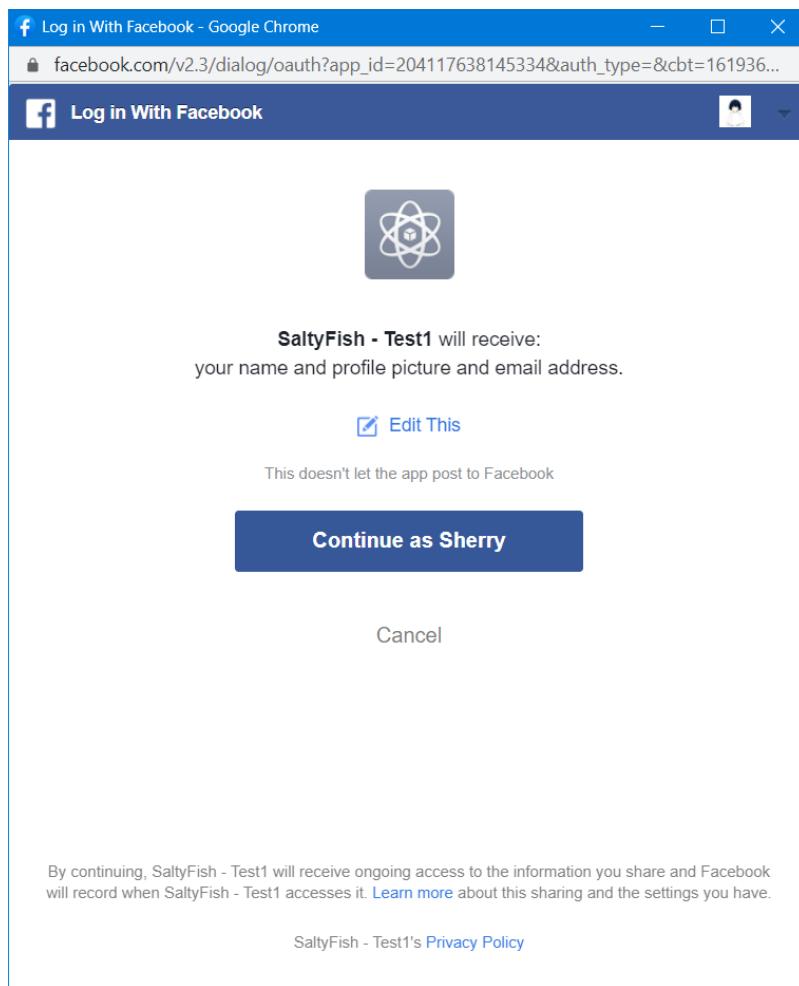
By clicking Sign Up, you agree to our [Terms](#), [Data Policy](#) and [Cookie Policy](#). You may receive SMS notifications from us and can opt out at any time.

**Sign Up**

English (UK) 中文(简体) 日本語 한국어 Français (France) Bahasa Indonesia Polski Español Português (Brasil) Deutsch Italiano

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[Groups](#) [Jobs](#) [Oculus](#) [Portal](#) [Instagram](#) [Local](#) [Fundraisers](#) [Services](#) [Voting Information Centre](#) [About](#) [Create ad](#) [Create Page](#) [Developers](#)  
[Careers](#) [Privacy](#) [Cookies](#) [AdChoices](#)  [Terms](#) [Help](#)

Besides, if we select "Keep me logged in to <My Facebook APP Name>", next time we would use the same account as shown below:



If we have multiple Facebook accounts, we could choose one of them to login to our system. Then, we would be redirected to the profile page, which would also be illustrated in the back-end implementation of third-party login functions.

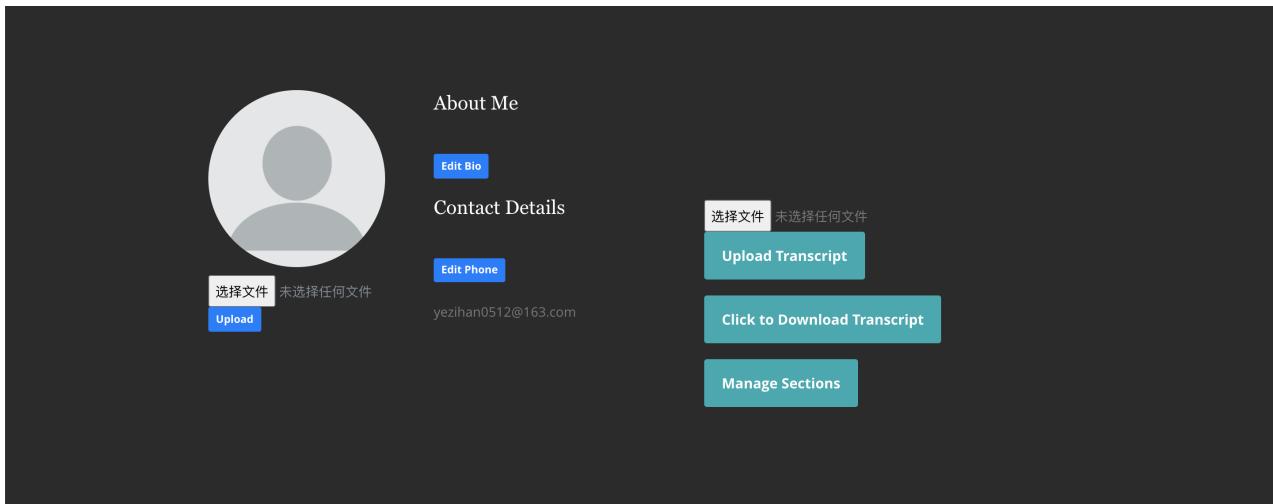
# US3: Delete and Add Sections

Written by Zihan Ye

At first, we planned to create two buttons, one for deleting sections and one for adding sections. However, we found that it would be complex for data store and the ui would be inaesthetic, thus we finally decided to change the original design. We use checkboxes and permit clients choose whether a section is visible or not.

## Version 1

The final design to satisfy the requirement only involves one button - Manage Section button.

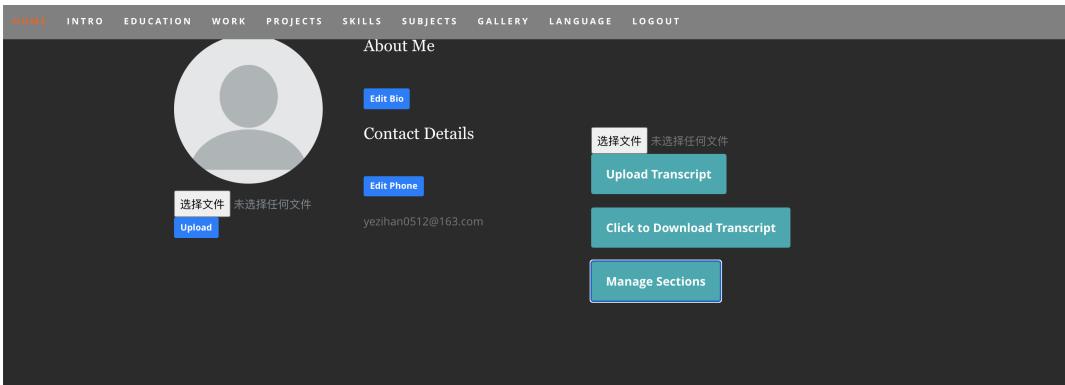


After clicking the button, a checkbox list would exist and the client can choose which section to be hidden.



If the client clicks the button again, the list would be hidden.

The sections whose checkboxes are checked would be invisible and others would appear on the page.



## Education

Add Education

unchecked)

(Checkbox of Education

选择文件 未选择任何文件  
Upload

Edit Bio  
Edit Phone  
yezihan0512@163.com

选择文件 未选择任何文件  
Upload Transcript

Click to Download Transcript

Manage Sections

## Work Experience

Add Work Experience

checked)

(Checkbox of Education

## Version 2

To improve our design and make it more accessible to clients, we updated our version. In this version, when the checkbox of a section is checked, the section would appear on the screen, otherwise it would be hidden. We keep the default state of each checkbox to be checked, if the client wants to hide some sections, just keep the corresponding checkboxes to be unchecked.

In addition, we updated the location and the design of the section manage button.

选择文件 未选择任何文件  
Upload

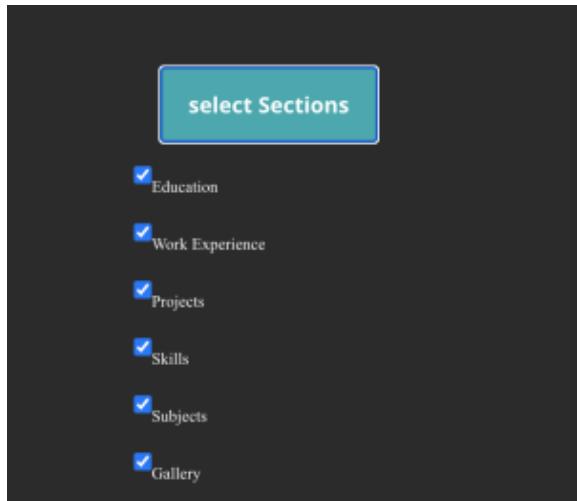
Edit Bio  
Edit Phone  
yezihan0512@163.com

选择文件 未选择任何文件  
Delete

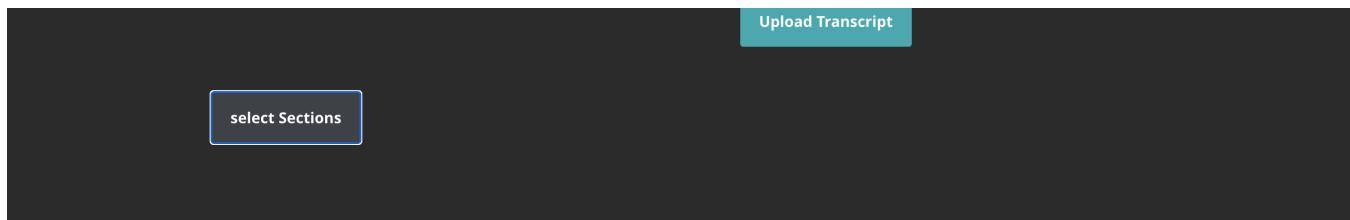
Transcript File  
Upload Transcript

select Sections

(Location of the section button)



(after clicking the section button)



(The screen when checkbox of Education unchecked)

# US4: Reset Page

Written by Jiaxin Mo Jingjin Li

## Version 1

At the begining, we planed to develop a reset page for profolio owners to perform multiple operations, including changing their username, email and password. Figure 1&2 shows the first version UI design.

However, we found that users must fill in all the input boxes before submitting any changes on this page. For example, if I want to change my username only, I will need to input my original email address and password as well. It was inconvenient for users. Thus, we improved our design in second version.



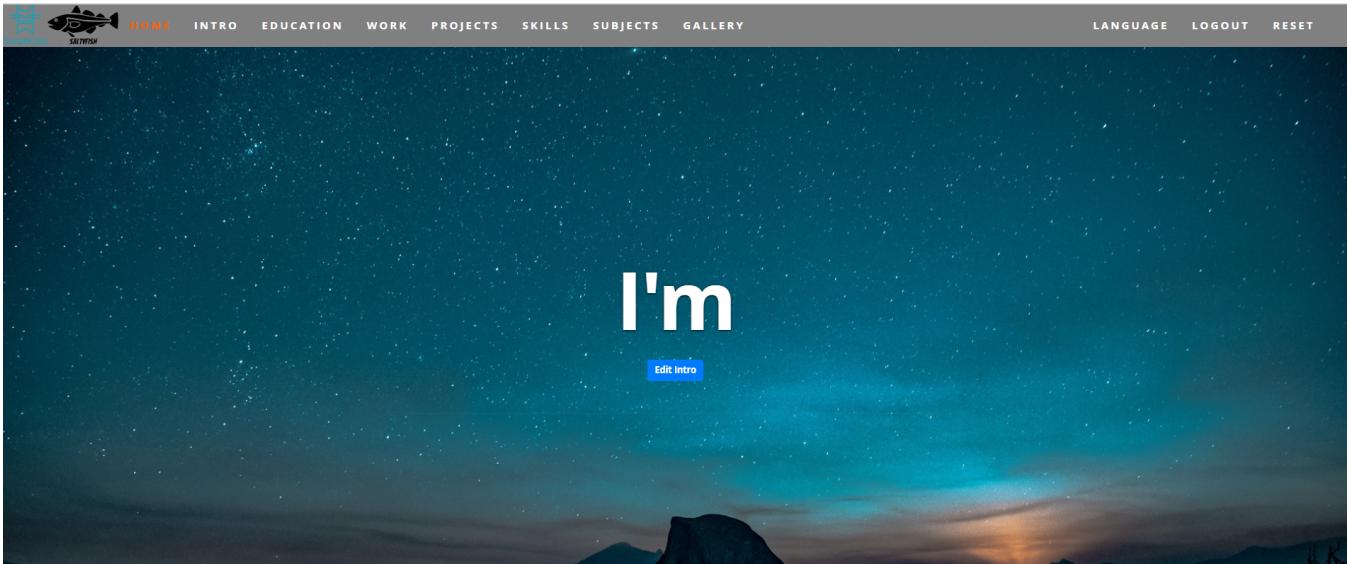
Figure 1: reset button in profile page

A screenshot of a "Reset Account" page. The page has a light gray header with the SwatKats logo and links for Register, Login, and Language Options. The main section is titled "Reset Account" in bold black text. It contains four input fields: "New Name", "New Email Address", "New Password", and "Confirm Password", each with a placeholder text inside. Below these fields is a teal-colored "Submit" button. At the bottom of the page, there are two sections: "Swat Kats" with the text "missing translation: en.info" and "Created By" with a list of names: Aneesh Chattaraj, Dylan Stewart, Ian Teh Jing Wen, Ragav Narayanan, and Zhi Jie Siow. The footer contains the copyright notice "©2021 Swat Kats | All rights reserved".

Figure 2: reset page

## Version 2

At this version we changed LANGUAGE, LOGOUT and RESET button to the other side of the page so they could be seperated from the sections in the profile page.



As for the reset page, we deleted the register button and changed the login button into the profile button as we think that when a user goes to the reset button he/she won't need to register from there and won't need to login again. So it will be more convenient to put the profile button for he/she to direct to the profile. And due to aesthetic we put the input form in the center of the page and added the instruction on top of the input form.

There is also some change on the footer. We put our team name and our team members next to the original team.

profile Language Options

## Reset Account

Please input the item you want to change and don't input anything into the item you wish to remain the same

Swat Kats  
Salty Fish

**Created By**

Aneesh Chataraj  
Dylan Stewart  
Ian Teh Jing Wen  
Ragav Narayanan  
Zhi Jie Siow

**Extended By**

Jiaxin Mo  
Jingjin Li  
Xiaoyue Liu  
Chengyu Zhang  
Zhan Ye

激活 Windows  
转到 设置以激活 Windows,

When the user input a email that had already been registered but doesn't belong to the current user the page will remain the same but a warning in red will be shown on top of the input form.



[profile](#) [Language Options](#)

## Reset Account

Please input the item you want to change and don't input anything into the item you wish to remain the same

**Email already exists**

**Submit**

# US5 & US8: Download/delete Transcript File & Export ePortfolio

Written by [Jiaxin Mo](#)

## 1. Download/delete Transcript File

Download function can be performed in both profile and public profile page, while delete function is only in profile page. The transcript URL is clickable for downloading the file in a blank page.

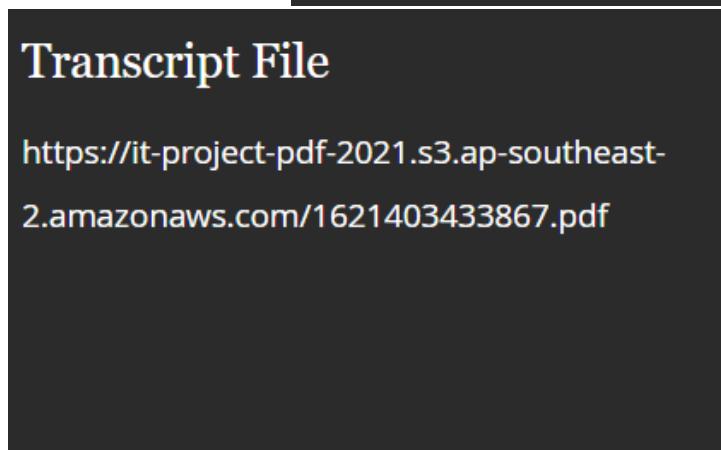
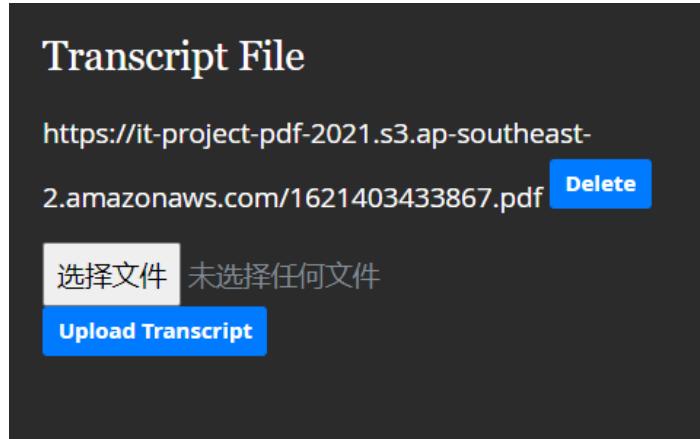
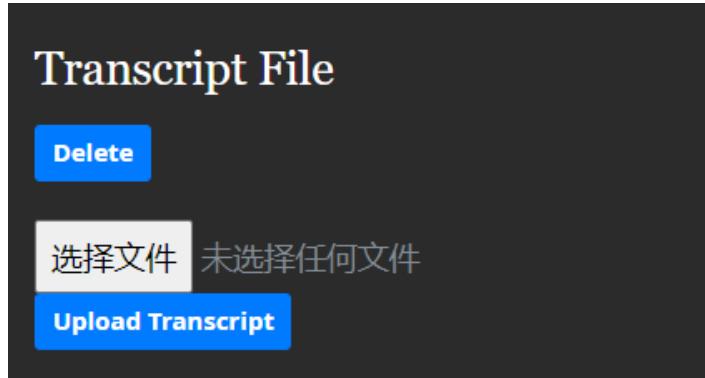


Figure 1: File URL for download in profile page

Figure 2: File URL for download in public profile page

Clicking on the "Delete" button will remove the transcript from pages.



## Transcript File

Figure 3: Delete file in profile page

Figure 4: Delete file in public profile page

## 2. Export ePortfolio

Print function is set in the upper right corner of public profile page. Clicking on the "Print" button, a print dialog will show up. Users can print on demand.

Figure 5: Print button in public profile page

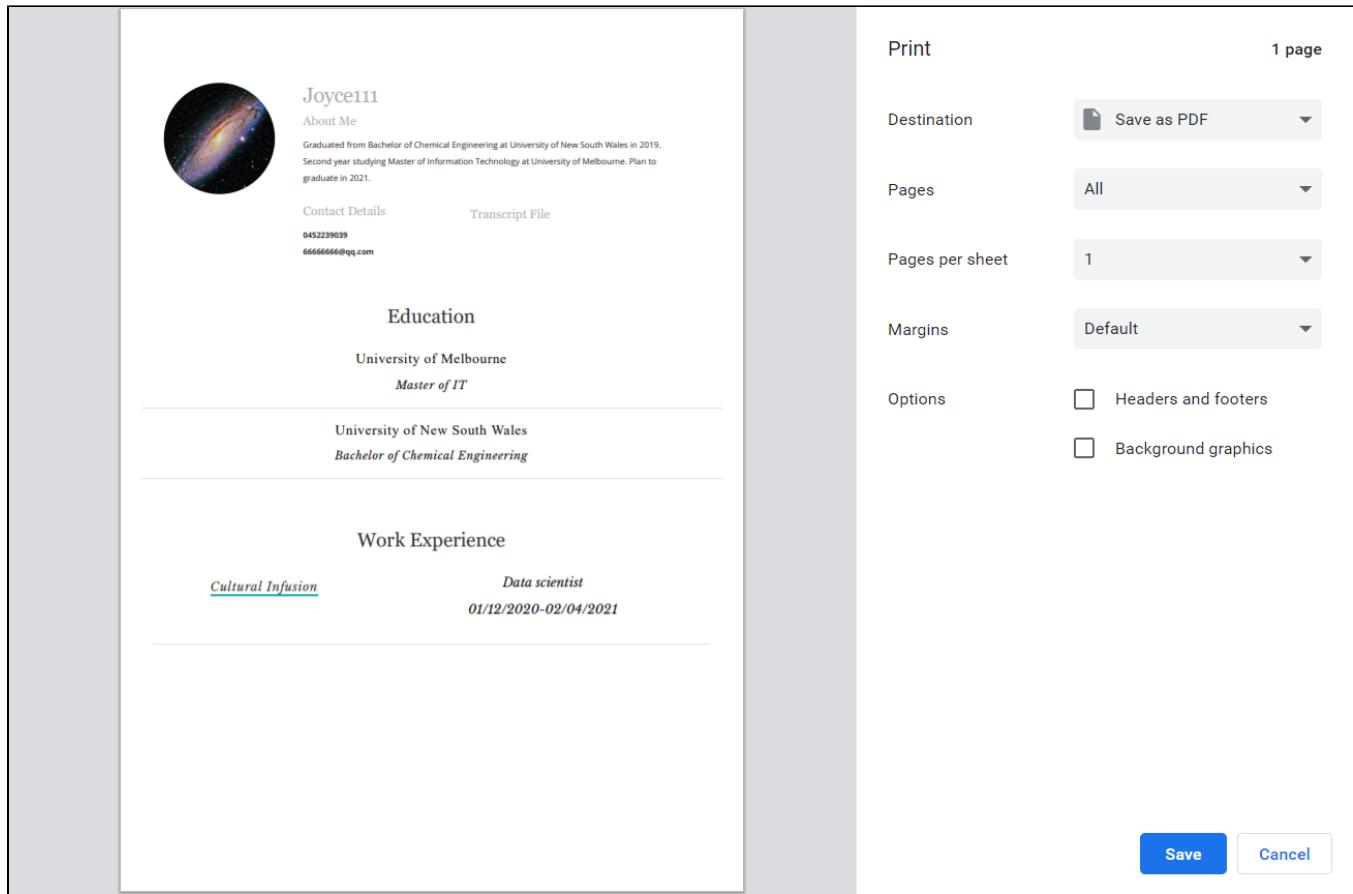
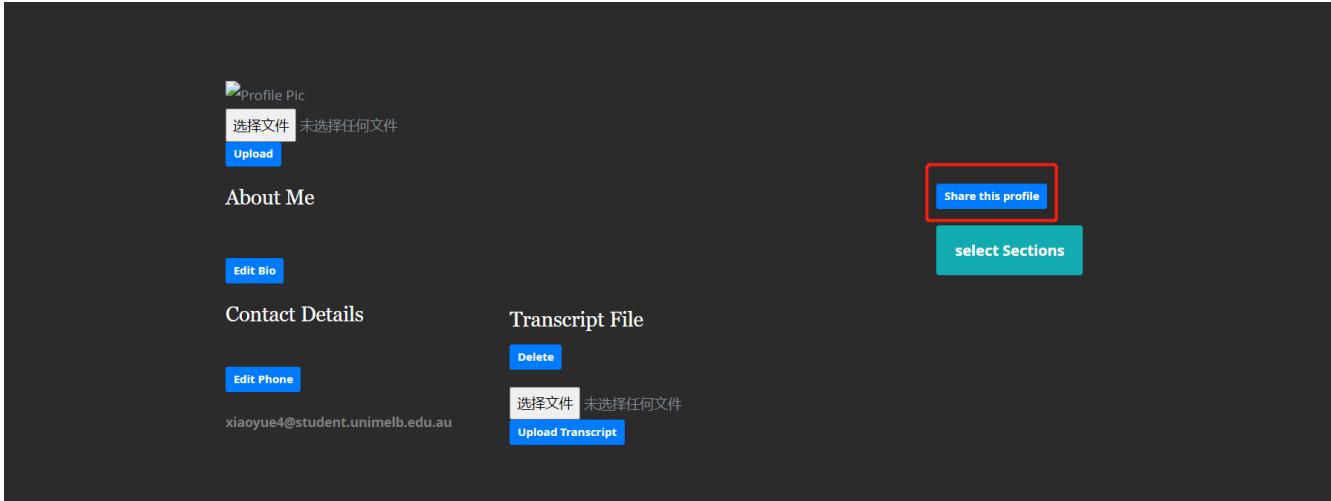


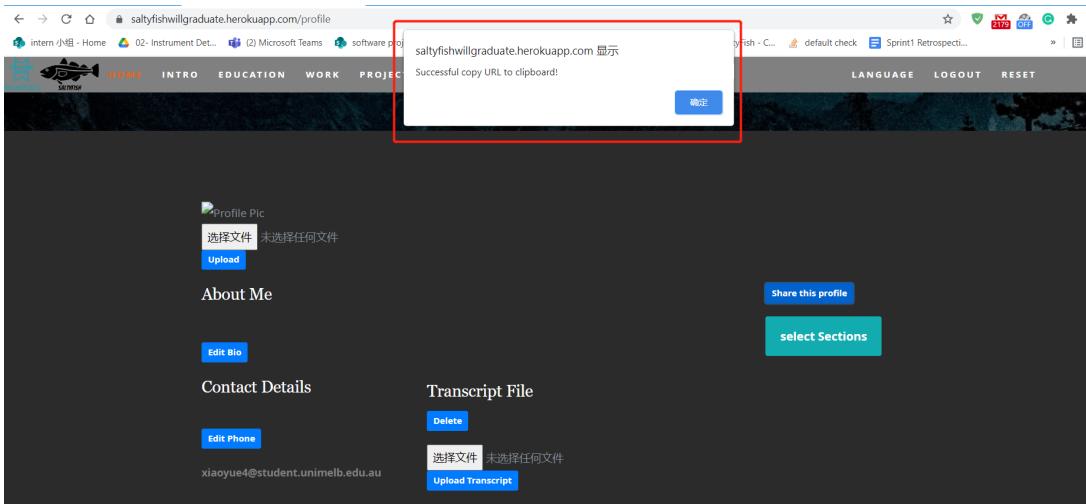
Figure 6: Print dialog

# US6: Copy ePortfolio address to the clipboard

This function is only displayed on the profile page. This function is to allow users to share their own ePortfolio more conveniently. When users want to share their ePortfolio with others, they can click the "share this profile" button.



After that, the user will see an alert to remind them that the address of their eportfolio has been successfully copied to the clipboard.



They only need to send the eportfolio address on the clipboard to others to complete the sharing without having to manually type the address by themselves.

https://saltyfishwillgraduate.herokuapp.com/public/xiaoyue4@student.unimelb.edu.au

# US7: Send Messages to ePortfolio Owner

Written by Jingjin Li

This function only shows in the public profile page. A "Contact the profile owner" button was added at the bottom of the profile picture. The function of this button is to let the viewer contact the profile owner via email.

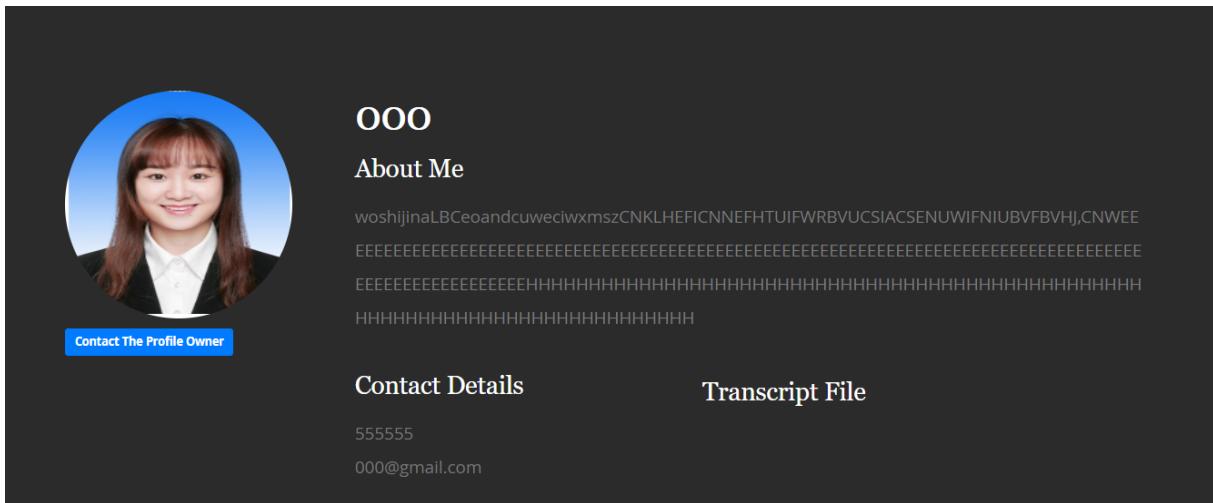


Figure 1: profile page with the "contact the profile owner" button

After click the "Contact the profile owner" button the dialog box will pop out in the center of the page. In this box the viewer can enter their message and their contact details and click submit. After submitted the message the system will send the message to that profile owner.

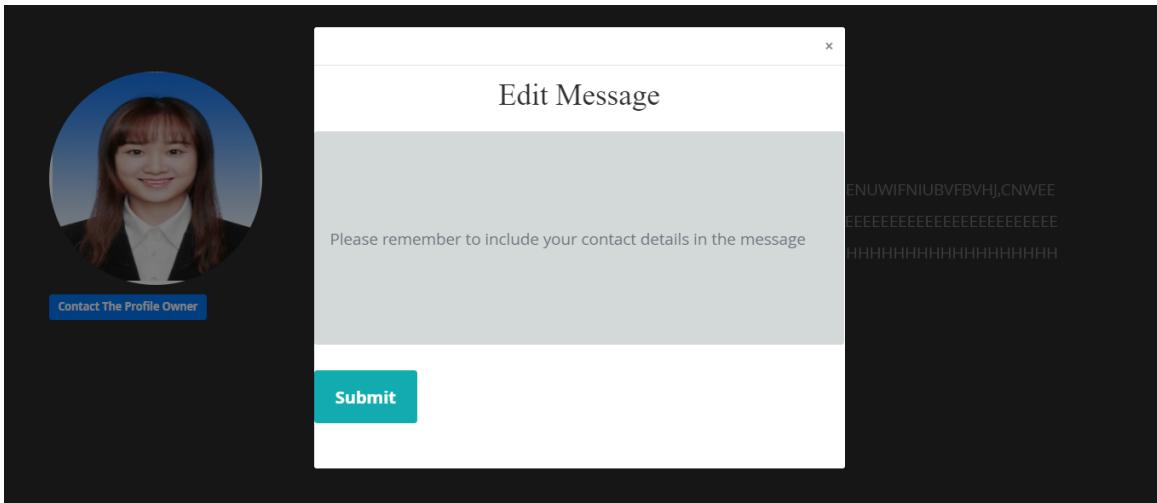


Figure 2: pop out box

# Back-end Document

- Database Setup and Connection
- US1 - Forget Password
- US2: Google/Facebook Login (Backend)
- US3: Select section (Backend)
- US4: Reset Page (Backend)
- US5 & US8: Download/delete Transcript File & Export ePortfolio (Backend)
- US7: Contact with user

# Database Setup and Connection

Written by [Jiaxin Mo](#)

## MongoDB

In this project, we followed the previous work of Swatkats to use MongoDB as our main database for storing textual information, including URL of photos and files. It was cheap to use, easy to extend and maintain. MongoDB Atlas provided a free cluster with 500MB storage. When we defined the attributes in our code, the data models could be automatically setup in database. This allowed us to modify changes easily.

Related operations:

1. Create a mongoDB account on Atlas.
2. Create a free cluster.
3. Install 'MongoDB for VS Code' on VSCode (if your IDE is VSCode).
4. Update connection URL in server.js.

Tips: download a mongoDB Compass to monitor the database easier.

There were two data models defined, USERS and PROFILES. USERS database was for storing user's account information, such as name, login email and login password. PROFILES database stored user's portfolio information, such as education, work experience, URL of photos and files, etc.

## Setup

### Server.js

```
const mongoURI = "mongodb+srv://<username>:<password>@<clusternname>.mongodb.net/test?retryWrites=true&w=majority"
```

## Models

Please refer to [user.js](#), [profile.js](#) in github repository.

## Amazon Simple Storage Service (AWS S3)

AWS was used as our secondary database. Due to the limitation of small capacity of MongoDB, we selected AWS for its 5GB capacity to store a large number of pictures and PDF files. S3 provided a scalable storage in cloud for free, and was cost effective.

Related operations:

1. Create an AWS account, get the access key and security key.
2. Build two different buckets in your AWS S3, set the policies and permissions.
3. Install 'DOTENV' on VSCode (if your IDE is VSCode).
4. Create a .env file containing your AWS access key and security key at the same folder root of server.js.
5. Update bucket name and region in the files of services folder.

Tips: prepare a valid visa card for register.

## Setup

### .env

```
S3_ACCESS_KEY=<your access key>
S3_SECRET_ACCESS_KEY=<your secret key>
```

#### policies in AWS bucket

```
{  
    "Version": "2012-10-17",  
    "Statement": [  
        {  
            "Sid": "PublicRead",  
            "Effect": "Allow",  
            "Principal": "*",  
            "Action": [  
                "s3:GetObject",  
                "s3:GetObjectVersion"  
            ],  
            "Resource": "arn:aws:s3:::saltyfish/*" //bucket name  
        }  
    ]  
}
```

#### img-upload.js

```
aws.config.update({  
    secretAccessKey: ACCESS_KEY,  
    accessKeyId: ACCESS_ID,  
    region: 'ap-southeast-2' //your region  
})  
const s3 = new aws.S3();
```

## Services

Please refer to [img-upload.js](#), [pdf-upload.js](#) in github repository.

# US1 - Forget Password

Written by [Zihan Ye](#)

Node.js provides a module named nodemailer, which allows to send email easily.

If a client input his email in the Forget Email blank, the system will firstly get the password of this email from mongodb, then send it to the client's email.

## Client Components

[login.jsx](#)

### Controller

[controller.js](#)

### Router

[router.js](#)

# US2: Google/Facebook Login (Backend)

Written by Jiaxin Mo Xiaoyue LIU

## 1. Google Login

React has a package called as react-google-login. It provides a simple mechanism to add the Google login to backend authentication.

Firstly, we applied for an OAuthClientID from Google developer console. This ClientID was implemented to get the access\_token when the user had a successful login. We built this token into our "jwtToken". Then some profile details objects of the user were accessed. We saved Google name as our USER name, email as email, and googleId as password, which were the necessary information for our ePortfolio USER account. If the Google login is used for the first time, a new profile will be established, or an error message of "Email already registered" is sent. Otherwise, the profile page is loaded. When the token gets expired, it needs to refresh and generate a new token.

Please refer to these files in github repository.

### Client components

[login.jsx](#)

### Client actions

[authActions.js](#)

### Controller

[controller.js](#)

### Routes

[router.js](#)

---

## 2. Facebook Login

Facebook login also has a corresponding package in react, which is "react-facebook-login". It provides the necessary functions to establish a facebook connection. Unlike google login, facebook does not support the use of Facebook login service for websites whose domain name is http, because they think it is risky for facebook users to log in on such a website. Therefore, since we are using localhost, we need to change it to https in server.js.

First, we applied for a facebook developer account and obtained the app id, and used the app id to obtain the user's email, username and id from facebook. When a user logs in using facebook, the email, id and username provided by our facebook are used as the login email, password and name of the emailfolio website to create a new user. It should be noted that if the user has registered with the same email address before logging in to the e-folio website with facebook, when the user logs in with the corresponding facebook account, it will display "Email already registered" and cannot log in.

Please refer to these files in github repository.

### Client components

[login.jsx](#)

### Client actions

[authActions.js](#)

### Controller

[controller.js](#)

### Server

[server.js](#)

### Routes

[router.js](#)

# US3: Select section (Backend)

Written by [Xiaoyue LIU](#)

When the user clicks on the checkbox corresponding to each section, the system will record the display status of the section and store it in the database. Each section has corresponding attributes. When the user logs in again or refreshes, the data of the corresponding section in the database will be read again and set to the section and checkbox. The checkbox will also determine whether defaultchecked is required according to the corresponding section status in the database.

## Component

[profile.jsx](#)

## Public View Component

[publicprofile.jsx](#)

## Routes

[router.js](#)

## Controller

[controller.js](#)

# US4: Reset Page (Backend)

Written by [Jiaxin Mo](#)

First, User account information is mounted from USER database with current login user ID. We set user's name and email as default information shown in form. User can change any part of name, email or password, but not requiring all of them. When the user submit changes, it will push the update to both USER and PROFILE database with user ID.

Please refer to these files in github repository.

## Components

[reset.jsx](#)

## Routes

[user.js](#)

## Controller

[controller.js](#)

# US5 & US8: Download/delete Transcript File & Export ePortfolio (Backend)

Written by [Jiaxin Mo](#)

## 1. Download/delete Transcript File

The storage of the static transcript files in our app is based on AWS S3. When a user uploads a file to S3 bucket through the app, and S3 will generate a storage URL for it, which is saved in MongoDB for download purpose. The file must be a PDF format. The transcript URL is mounted from PROFILE database with user ID. If the transcript exists, the URL will be shown on both profile and public page. Users can click it, and download the file in a new blank page.

We set a "Delete" button for removing the file. If the user clicks on it, it will delete the specific object in S3 and clear the transcript item in MongoDB.

Please refer to these files in github repository.

### Components

[profile.jsx](#)

[publicprofile.jsx](#)

### Services

[file-delete.js](#)

## 2. Export ePortfolio

Exporting Portfolio utilizes Window print() method. When clicking on the "Print" button, it will open the print dialog of the browser. Users can modify the setting and print the current document or save as a PDF. We apply <div> to define the contents to be printed.

### Components

[publicprofile.jsx](#)

# US7: Contact with user

In the public profile, if a user enter some message and clicks the submit button, the message would be sent to the profile owner from our official email account.

We use nodemailer to implement the sending email function. We suggest that the user should include his own contact information in the message.

## Client Components

[login.jsx](#)

## Controller

[controller.js](#)

## Router

[router.js](#)

# Test Plan

Test cases are designed to strictly examine whether our user stories are completed at a high level. Once requirements are finalized in the inception checklist, our team held the test planning meeting on 5<sup>th</sup> April to decide how we would do to test our project. In the test planning meeting, every team member was fully engaged, and we put forward many brilliant ideas. As a result, the team decided to break down the testing process into three parts, with the first two sections concentrating on the two sprints' user stories, and the last one focusing on non-functional features of the system, such as performance, security and compatibility. In other words, at the end of each sprint there would be a corresponding testing step to examine the in this sprint. While at the end of the whole project, we would spend a week systematically testing the project, including function test, integration test and non-functional test.

## In detail:

1. At the end of sprint 1, we would check the level of completion of the user stories belonging to this sprint, including u1-"forget password", u2-"third party login", u3-"delete sections"and u4-"reset account".
2. At the end of sprint 2, we would check the level of completion of the user stories belonging to this sprint, including u5-"delete photos and files", u6-"copy url to clipboard", u7-"email service", u8-"download pages in PDF format"and u9-"UI beautify".
3. Before we deploy our final project onto the cloud platform, we spend one week examining if there still exists any bugs. Firstly, we would go through each module, before testing the connection and data transportation among these modules. Then we would test compatibility of the project. That is, we would use Selenium to get/post requests to the server of our web application using different web browsers, namely Google chrome, Firefox and Safari. Next, we would check the performance of the system. Since the system is not required to have great scalability, we do not need to do the load test. So the team decided to only conduct the pressure test by using JMeter to create a thread group and simulate twenty threads concurrently to pull requests to our server. Lastly, security tests need to be done. In this step, we would focus on authentication and authorization. Besides, we also want to take methods that could defend SQL injection attacks into consideration.
4. Acceptance tests, including alpha test and beta test, would be conducted after all other tests. Acceptance tests are important because they are the last step to capture the quality of our product before final release. To be more specific, alpha test is an internal test that would be operated by the team members, while beta test would be done by end users outside the team. In this project, we would invite our friends to do the beta test.
5. Chengyu Zhang is responsible for managing the test plan, designing test cases, hosting test cases review meeting and generating test reports.

The following table lists tests we would conduct during the process:

Test Type	Test Name	Test Time
Function Test	User Story 1: Forget Password	Sprint 1
Function Test	User Story 2: Third Party Login	Sprint 1
Function Test	User Story 3: Delete Sections	Sprint 1
Function Test	User Story 4: Reset Account	Sprint 1
System Test	System Test of Sprint 1	Sprint 1
Alpha Test	Alpha Test of Sprint 1	Sprint 1
Beta Test	Beta Test of Sprint 1	Sprint 1
Function Test	User Story 5:Delete Photos and Files	Sprint 2
Function Test	User Story 6: Copy URL to the Clipboard	Sprint 2
Function Test	User Story 7: Email Service	Sprint 2
Function Test	User Story 8: Download Files in PDF Format	Sprint 2
System Test	System Test of Sprint 2	Sprint 2
Alpha Test	Alpha Test of Sprint 2	Sprint 2
Beta Test	Beta Test of Sprint 2	Sprint 2
Function Test	Integration Test	Last Week of Our Project
Function Test	Systematically Test	Last Week of Our Project
Compatibility Test	Google Chrome Compatibility	Last Week of Our Project
Compatibility Test	Firefox Compatibility	Last Week of Our Project
Compatibility Test	Safari Compatibility	Last Week of Our Project
Performance Test	Pressure Test: 1000 Threads Concurrently 'get' Request	Last Week of Our Project
Performance Test	Pressure Test: 1000 Threads Concurrently 'post' Request	Last Week of Our Project
Security Test	Authentication and Authorization	Last Week of Our Project

Security Test	Defend SQL Injection Attacks	Last Week of Our Project
System Test	System Test	After Other Tests Above
Acceptance Test	Alpha Test	After System Test
Acceptance Test	Beta Test	After Alpha Test

**Table: Test Plan of Our Project**

# **Sprint 1 Tests**

[Sprint 1 Testing Plan](#)

[Sprint 1 Test Cases](#)

[Sprint 1 Test Report](#)

# Sprint 1 Test Cases

The hypertext link below points to our test cases of sprint 1.

[test cases.xlsx](#)

\*The table is quite big, please download the origin file to the local directory so as to get a clear view.

Most of these cases belong to the function test, besides the team also adds some security tests to protect users' accounts and vulnerable data.

# Sprint 1 Testing Plan

Consulting our test plan for the whole project, we would only conduct function tests for sprint 1 requirements and acceptance tests to ensure the quality of sprint 1 before final release.

## Why the team takes function tests so serious?

Function test is a type of black box testing that each part of the system is tested against functional requirements / user stories. When we talk about delivering quality software, function test has the highest ROI since it is done with real data. During function tests, testers verify the app features against the user expectations. In this way, Function tests verify that the product performs as users expect.

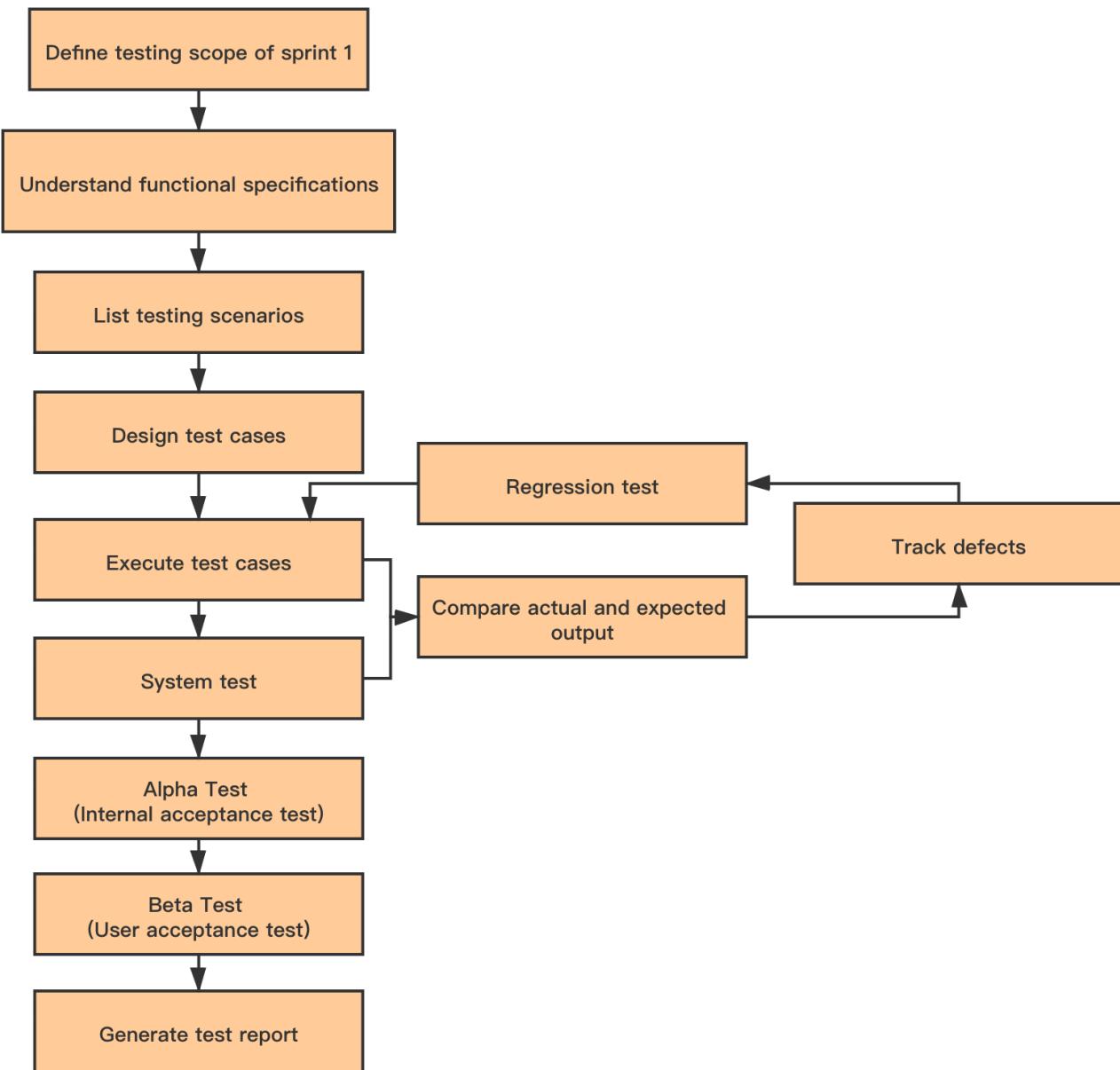
Function tests we decide to operate contain smoke test, system test and regression test. Smoke test is used to ensure that our system is runnable, while system test is designed to guarantee that there are no severe functional bugs existing in our project. Once we find some defects, we need to log them into our requirement traceability matrix (RTM) and link them to corresponding use cases and developers. If these bugs have been fixed, we need to execute the same test cases again to check whether the defects are made up, which is often regarded as a regression test.

## Why are acceptance tests important?

Normally, acceptance is the last step before releasing the product. That is also to say, acceptance takes the last step to ensure the quality of the final product. Since the major goal of most software developing projects is to realize a workable and easy-to-use product with high level of quality for target users, we need to ensure that our product really works for these end users. In alpha test, which is also called internal acceptance test or validation test, the team would pretend to be real users of our software, and act as users when utilizing our product. The beta test, which is also regarded as a user acceptance test, would only be held after passing the alpha test. In this step, representatives of clients would check whether requirements of all user stories in sprint 1 are met. Besides, they may also have interest in the degree of completion of our user interface design. Beta test is helpful because it offers actual viewpoints of future users of our product.

## Steps the team would take to test Sprint 1

The flow chart below shows a general overview of testing processes we would operate during sprint 1:



**Figure 1: Sprint 1 testing processes**

In the following paragraphs, detailed description of each step of sprint 1 testing plan would be showed.

## 1. Define the testing scope

In this step, the testing team makes a list of user stories included in sprint 1 that are going to be examined. Below is the list of requirements we would test in sprint 1:

User story ID	User story Name
2-1	Google login
2-2	Facebook login
3	Delete sections
4	Reset account

## 2.List testing scenarios

In this section, we list down possible test scenarios for all required functions. Test scenarios are helpful when designing test cases, since they offer a basic idea of what would be examined when testing a specific requirement.

## 3.Design test cases

This time, the team would begin to design use cases. Use cases should be created strictly follow the table below:

Code	Module	Name	Designer	Maintainer	Create time	Type	Status	Pre-condition	Steps	Expected outcome	Importance level
ID of the use case.	Functional module that the use case belongs to.	Name of the use case.	Name of the designer.	Name of the maintainer.	Time when the use case is created.	Type of the test case.	Current status of the use case.	Pre-condition needed to fulfill before executing the test case.	Steps need to take when executing the use case.	Expected output after running the test case.	Level of importance of the test case.

## 4.Execute test cases

In this step, the team would start running these test cases above. These test cases would firstly be executed after completion of each function. After the full achievements of all requirements in sprint 1, system test and regression test would be conducted, during which the team would go through all these test cases again to see whether functions the team completed in sprint 1 would meet requirements of clients.

The following table indicates 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.

It is the comparison of expected results to actual results that will determine whether the test has a 'Pass' or 'Fail' status. Additionally, since the team put user story 1 - 'Forget password' to sprint 2, test cases related to this function would not be done during sprint 1, resulting in several 'Unprocessed' status in "test cases.xlsx".

## 5.System test and regression test

This time, all the functional modules have been integrated and the whole system has been built successfully. In this step, the team would start with a smoke test to see if the software is runnable. Afterwards, functional testing cases would be executed one by one again. However, test cases conducted during the system test are different to those operated in function tests, not only because in the system test we focus more on the overall system, but also due to that we are meant to find 'problems' existing in our product. That is to say, during function tests, the team wants to guarantee that all the basic functional modules are working well; While during system test, the major goal is to find any existing defects, logging them into requirement traceability matrix (RTM) and tracking them. Then, a regression test would be done with the help of RTM. In regression tests, test cases are re-executed so as to check whether the previous defects is fixed and the new changes have not brought any new bugs. All the team members would try their best fixing the defects and optimize the product. If no severe defects exist in the system, the testing team would move to the next step.

## 6.Internal acceptance test (Alpha test)

If the system test is passed without finding any severe defects, alpha test would be put into process. In the alpha test, the team would go through the sprint 1 test cases again to see if all functions are met at a high level of quality. If there are no severe functional defects left the team would move to the next step, beta tests operated by client representatives.

## 7.User acceptance test (Beta test)

Beta test is an important step in our testing plan. Once passed the user acceptance test, our product could be regarded as quality guaranteed and could be released and put into actual use. In this step, the team would invite client representatives to a user acceptance test meeting to see if they have any suggestions on the functional and non-functional modules of our project.

# Sprint 1 Test Report

## 1. Design test cases

Please visit [Sprint 1 Test Cases](#).

## 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

142  
Number of use cases

80.23 %  
Use case coverage

85.92 %  
Use case pass rate

0  
Number of defects

Test library: UG\_SaltyFish\_Sprint1

Starting time: April 12, 2021

status: completed

Associated projects:

Report summary:  
no

Test Plan: sprint1

End Time: April 22, 2021

principal:  Chengyu Zhang

Associated iteration:

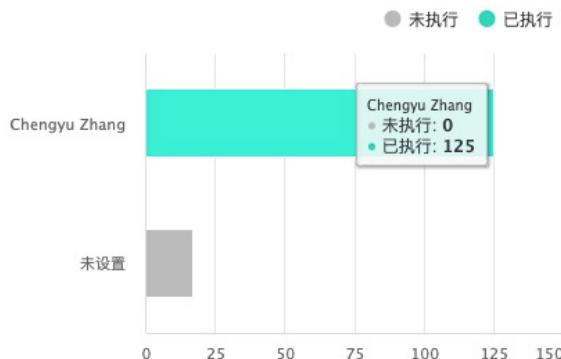
Use case result distribution



- 通过
- 受阻
- 失败
- 跳过
- 未测

result	Number of use cases	Percentage
✓ by	122	85.92%
⚠ Blocked	0	0%
✗ failure	3	2.11%
⟳ jump over	0	0%
⌚ Untested	17	11.97%

## Member implementation



member	Not performed	It has been executed
Chengyu Zhang	0	125
未设置	17	0

## 3. System test and regression test

- 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 10th, April, 2021.

Test Name	User Story ID	Status	Defect	Description
Forget password	1	Unprocessed	/	
Google login	2-1	In process	/	

Facebook login	2-1	Unprocessed	/	
Delete sections	3	In process	/	
Reset page	4	Failed	Major	Cannot successfully redirect users to the reset page is not working, logging 'no route is found'.

- **Regression process:**

The second version on 15th, April, 2021.

Test Name	User Story ID	Status	Defect	Description
Google login	2-1	In process	/	
Facebook login	2-1	In process	/	
Delete sections	3	Pass	Cosmetic	Default state: All sections are selected to show as a default state.
Reset page	4	Failed	Minor	Cannot reset only one attribute. e.g. If one user only resets password and clicks submit, the system would show message 'email already registered'.

The third version on 20th, April, 2021.

Test Name	User Story ID	Status	Defect	Description
Google login	2-1	Failed	Minor	'Google login' could be seen on every page. Actually, it can only be seen on 'Login' page.
Facebook login	2-1	Investigating	Cosmetic	UI design of the 'Facebook login' button is a bit ugly.
Delete sections	3	Pass	Pass	Requirements have been met successfully.
Reset page	4	Pass	Pass	Requirements have been met successfully.

The final version on 25th, April, 2021.

Test Name	User Story ID	Status	Defect	Description
Google login	2-1	Pass	Could Ignore	Account would not be frozen if the user input incorrect passwords for more than three times. This may result account vulnerable to brute force decryption, but it is not covered in the scope of our project.
Facebook login	2-1	Pass	Could Ignore	Account would not be frozen if the user input incorrect passwords for more than three times. This may result account vulnerable to brute force decryption, but it is not covered in the scope of our project.
Delete sections	3	Pass	Pass	Requirements have been met successfully.
Reset page	4	Pass	Pass	Requirements have been met successfully.

#### 4.Internal acceptance test (Alpha test)

Our team conducted the alpha test during our sprint 1 review meeting on 26th, April, 2021. In the process, we went through the sprint 1 test cases to see if all functions are met in high level of quality. As a result, there is no severe functional defects left, except an unrealized security related function which is not only has low priority but also out of the scope of sprint 1. Therefore, the team decided to move to next step.

#### 5.User acceptance test (Beta test)

Beta test is an important step in our testing plan. Once passed the user acceptance test, our product could be regarded as quality guaranteed and could be released and put into actual use. In this step, the team invited two second-year master students of UoM who act as client representatives to a user acceptance test meeting on 27th, April, 2021. Images below are the screenshots of the invitation:

[Wechat invitation.jpeg](#)    [Meeting information.png](#)

The testing lead used Wechat to invite client representatives to attend the beta testing meeting. It seems a bit informal, especially that the conversation is in Chinese but translated into English. This is because the two client representatives prefer to communicate in Chinese, and both of them are close friends of one of the team members, so the team does not pay additional attention to politeness. When communicating with other big stakeholders, the team would use more formal methods such as sending a formal meeting invitation email attached with a calendar. Whatever, the meeting has been successfully held, and both two client representatives offered many valuable suggestions, which are recorded in the user acceptance test meeting notes below.

Please visit [User acceptance test \(Beta test\) Meeting 27/4](#).

## **Sprint 2 test**

[Sprint 2 Testing plan](#)

[Sprint 2 Test Cases](#)

[Sprint 2 Function Test Report](#)

[Sprint 2 Performance Test Report](#)

# 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

Number of use cases

100.0 %

Use case coverage

93.42 %

Use case pass rate

7

Number of defects

Test library: Sprint2

Test Plan: Function test for sprint2

Starting time: May 14 2021

End Time: May 23, 2021

status: processing

principal:  Chengyu Zhang

Associated portfolio: Portfolio - SaltyFish

Associated iteration:

Report summary:

no

Use case result distribution

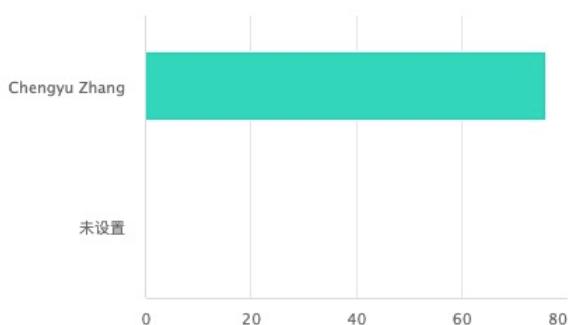


- 通过
- 受阻
- 失败
- 跳过
- 未测

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

● 未执行 ● 已执行



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

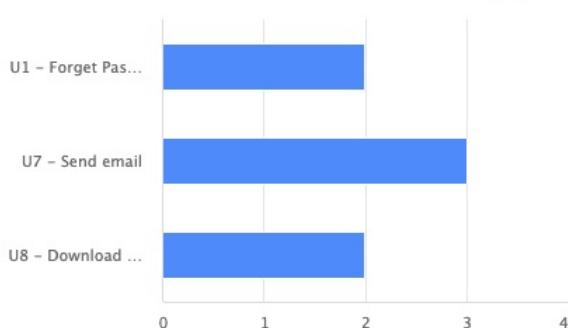
## Defect statistics



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

## Defect module distribution

● 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	Status	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	Status	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	Status	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	Status	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



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: Portfolio - SaltyFish

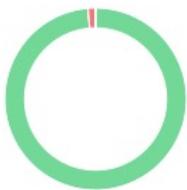
Associated iteration:

#### 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

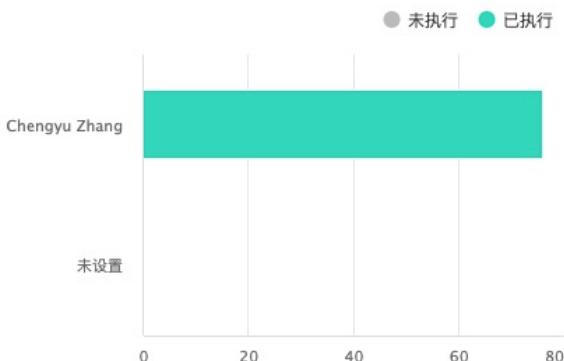
### Use case result distribution



- 通过
- 受阻
- 失败
- 跳过
- 未测

result	Number of use cases	Percentage
✓ by	75	98.68%
🟡 Blocked	0	0%
✖ failure	1	1.32%
⌚ jump over	0	0%
❓ Untested	0	0%

### Member implementation



### Defect statistics

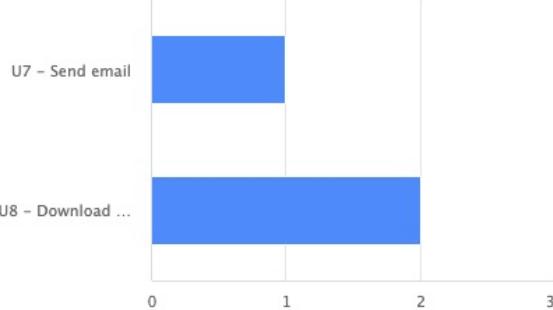


- 致命
- 严重
- 一般
- 建议

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

# Sprint 2 Performance Test Report

## 1.Design test cases for performance test:

The table below shows the test cases designed for the performance test held from 23rd, May to 25th, May. It is important to mention that although the performance test is a part of sprint 2 testing procedures, it also contains testing cases designed for user stories of sprint 1.

Code	Module	Name	Designer	Type	Pre-conditions	Steps	Expected outcome	Importance level
P-1	U1	1000 threads concurrently simulate U1 - 'forget password'	Chengyu Zhang	Performance test	1. Has already created a thread group with 1000 threads ramping up in 1 second. 2. Has already create a new transaction controller for user story 1. 3. Currently login in.	1.In the controller, create a new http 'GET' request: path '/getpassword/zhangchengyu773@163.com';  2.In the controller, create a new http 'POST' request: path '/sendmail/', body data '{"mail":"zhangchengyu773@163.com","pass":"password"}'.	1. /; 2. Meet the performance requirement of the clients.	P1
P-2	U2	1000 threads concurrently simulate U2 - 'third-party login'	Chengyu Zhang	Performance test	1. Has already created a thread group with 1000 threads ramping up in 1 second. 2. Has already create a new transaction controller for user story 2.	1.In the controller, create a new http 'POST' request: path '/login', body data {"mail": "a registered Google mail", "pass": "password"};  2.In the controller, create a new http 'POST' request: path '/login', body data {"mail": "a registered Facebook mail", "pass": "password"}.	Meet the performance requirement of the clients;	P1
P-3	U3	1000 threads concurrently simulate U3 - 'hide sections - Education'	Chengyu Zhang	Performance test	1. Has already created a thread group with 1000 threads ramping up in 1 second. 2. Has already create a new transaction controller for user story 3. 3. Currently login in.	In the controller, create a new http 'PUT' request: path '/hideE/607ff77a07893742ab7afcccd', body data {"sectionE": "none"}.	Meet the performance requirement of the clients.	P1
P-4	U3	1000 threads concurrently simulate U3 - 'hide sections - Work Experience'	Chengyu Zhang	Performance test	1. Has already created a thread group with 1000 threads ramping up in 1 second. 2. Has already create a new transaction controller for user story 3. 3. Currently login in.	In the controller, create a new http 'PUT' request: path '/hideW/607ff77a07893742ab7afcccd', body data {"sectionW": "none"}.	Meet the performance requirement of the clients.	P2
P-5	U3	1000 threads concurrently simulate U3 - 'hide sections - Projects'	Chengyu Zhang	Performance test	1. Has already created a thread group with 1000 threads ramping up in 1 second. 2. Has already create a new transaction controller for user story 3. 3. Currently login in.	In the controller, create a new http 'PUT' request: path '/hideP/607ff77a07893742ab7afcccd', body data {"sectionP": "none"}.	Meet the performance requirement of the clients.	P2
P-6	U3	1000 threads concurrently simulate U3 - 'hide sections - Skills'	Chengyu Zhang	Performance test	1. Has already created a thread group with 1000 threads ramping up in 1 second. 2. Has already create a new transaction controller for user story 3. 3. Currently login in.	In the controller, create a new http 'PUT' request: path '/hideSk/607ff77a07893742ab7afcccd', body data {"sectionSk": "none"}.	Meet the performance requirement of the clients.	P2

P-7	U3	1000 threads concurrently simulate U3 - 'hide sections - Subjects'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 3.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/hideSu /607ff77a07893742ab7afcccd', body data '{"sectionSu":"none"}'.	Meet the performance requirement of the clients.	P2
P-8	U3	1000 threads concurrently simulate U3 - 'hide sections - Gallery'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 3.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/hideG /607ff77a07893742ab7afcccd', body data '{"sectionG":"none"}'.	Meet the performance requirement of the clients.	P2
P-9	U3	1000 threads concurrently simulate U3 - 'show sections - Education'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 3.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/hideE /607ff77a07893742ab7afcccd', body data '{"sectionE":"block"}'.	Meet the performance requirement of the clients.	P1
P-10	U3	1000 threads concurrently simulate U3 - 'show sections - Work Experience'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 3.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/hideW /607ff77a07893742ab7afcccd', body data '{"sectionW":"block"}'.	Meet the performance requirement of the clients.	P2
P-11	U3	1000 threads concurrently simulate U3 - 'show sections - Projects'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 3.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/hideP /607ff77a07893742ab7afcccd', body data '{"sectionP":"block"}'.	Meet the performance requirement of the clients.	P2
P-12	U3	1000 threads concurrently simulate U3 - 'show sections - Skills'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 3.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/hideSk /607ff77a07893742ab7afcccd', body data '{"sectionSk":"block"}'.	Meet the performance requirement of the clients.	P2
P-13	U3	1000 threads concurrently simulate U3 - 'show sections - Subjects'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 3.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/hideSu /607ff77a07893742ab7afcccd', body data '{"sectionSu":"block"}'.	Meet the performance requirement of the clients.	P2

P-14	U3	1000 threads concurrently simulate U3 - 'show sections - Gallery'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 3.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/hideG /607ff77a07893742ab7afcccd', body data '{"sectionG":"block"}'.	Meet the performance requirement of the clients.	P2
P-15	U4	1000 threads concurrently simulate U4 - 'reset user's account'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 4.</li> <li>3. Currently login in.</li> <li>4. Currently in the resetting page.</li> </ul>	1.In the controller, create a new http 'GET' request: path '/getpassword/zhangchengyu773@163.com'; 2.In the controller, create a new http 'POST' request: path '/user/607ff77a07893742ab7afcccd /update', body data '{"id":"", "name": "", "email": "", "password": "", "password2": ""}'.	1. /; 2. Meet the performance requirement of the clients.	P1
P-16	U5	1000 threads concurrently simulate U5 - 'add one file'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 5.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/profileskills /607ff77a07893742ab7afcccd', body data '{"skill": "3. Java"}'.	Meet the performance requirement of the clients.	P1
P-17	U5	1000 threads concurrently simulate U5 - 'delete one file'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 5.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/findanddeletskill /607ff77a07893742ab7afcccd', body data '{"skill": "3. Java"}'.	Meet the performance requirement of the clients.	P1
P-16	U5	1000 threads concurrently simulate U5 - 'add another file'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 5.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/profileskills /607ff77a07893742ab7afcccd', body data '{"subjectname": "NLP", "subjectdesc": "COMP90042", "year": "4"}'.	Meet the performance requirement of the clients.	P2
P-19	U5	1000 threads concurrently simulate U5 - 'delete another file'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 5.</li> <li>3. Currently login in.</li> </ul>	In the controller, create a new http 'PUT' request: path '/findanddeletskill /607ff77a07893742ab7afcccd', body data '{"_id": "60a9c383a72c2c00497f05a", "subjectname": "NLP", "subjectdescription": "COMP90042", "subjectyear": 4}'	Meet the performance requirement of the clients.	P2
P-20	U6	1000 threads concurrently simulate U6 - 'copy and paste URL'	Chengyu Zhang	Performance test	<ul style="list-style-type: none"> <li>1. Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>2. Has already create a new transaction controller for user story 6.</li> <li>3. Currently login in.</li> </ul>	1. In the controller, create a new http 'GET' request: path '/profile1 /607ff77a07893742ab7afcccd'; 2.In the controller, create a new http 'GET' request: path '/public/zhangchengyu773@163.com'.	Meet the performance requirement of the clients.	P1

P-21	U7	1000 threads concurrently simulate U7 - 'send email'	Chengyu Zhang	Performance test	<ol style="list-style-type: none"> <li>Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>Has already create a new transaction controller for user story 7.</li> <li>Currently in the 'public profile' page.</li> </ol>	In the controller, create a new http 'POST' request: path '/contact', body data '{"mail":"zhangchengyu773@163.com","info":"This is for user story7."}'	Meet the performance requirement of the clients.	P1
P-22	U8	1000 threads concurrently simulate U8 - 'download PDF'	Chengyu Zhang	Performance test	<ol style="list-style-type: none"> <li>Has already created a thread group with 1000 threads ramping up in 1 second.</li> <li>Has already create a new transaction controller for user story 8.</li> <li>Currently in the 'public profile' page.</li> </ol>	In the controller, create a new http 'GET' request: path '/getpassword/zhangchengyu773@163.com'.	Meet the performance requirement of the clients.	P1

## 2. Execute the test cases designed for the performance test:

The testing team used JMeter to execute test cases designed to examine the performance of the system under high pressure. The charts and pictures below provide a thorough description of the result of the performance test.

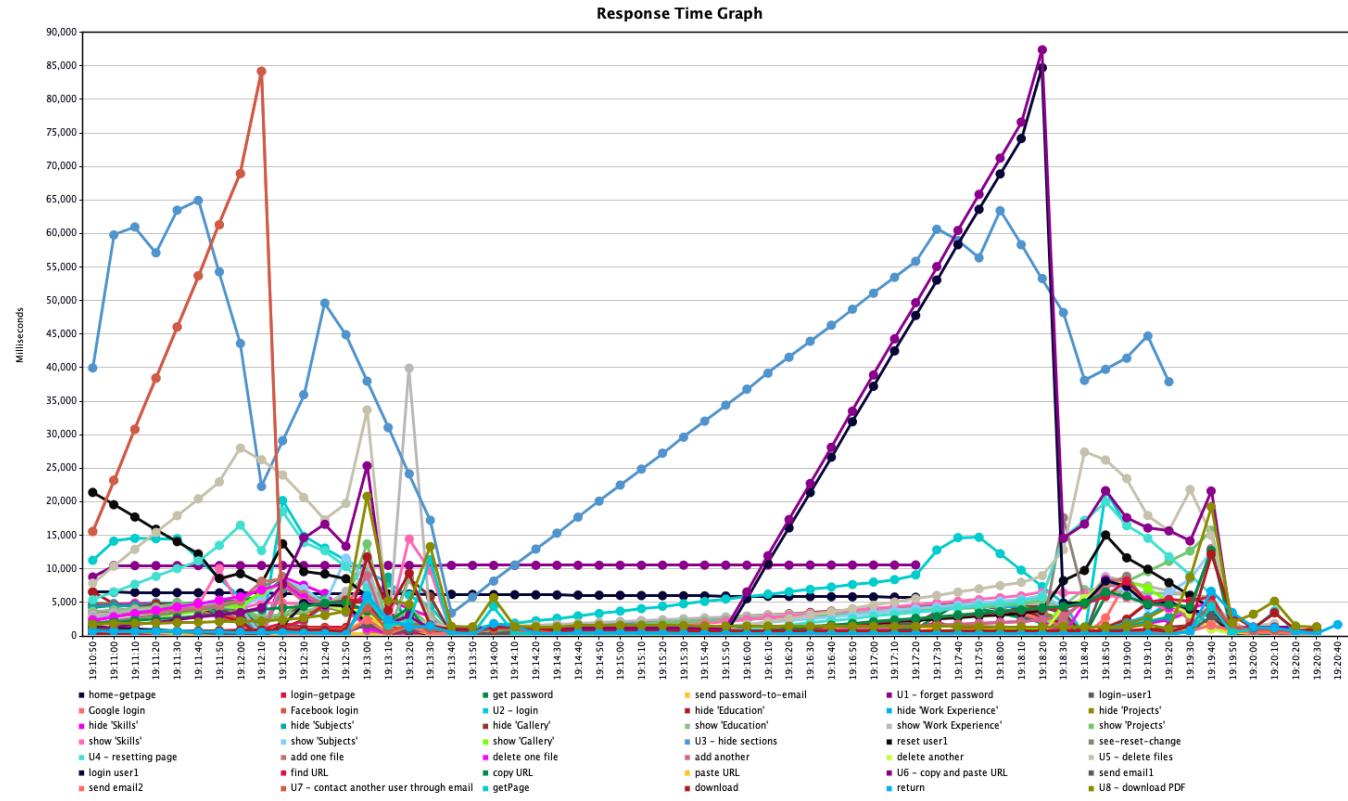


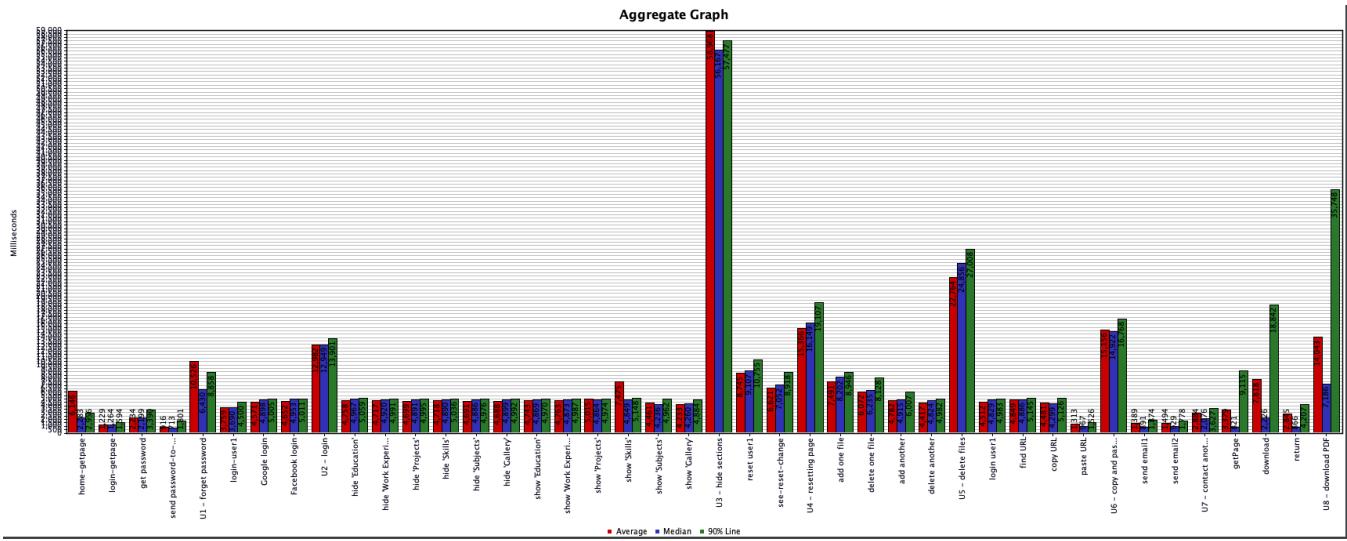
Figure 1: Response Time Graph

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
home-getpage	1000	6146	1298	173697	17456.52	1.600%	2.05194	5.72	0.28	2855.2
login-getpage	1000	1229	2	2319	389.73	0.500%	2.05163	5.69	0.29	2838.9
get password	1000	2234	2	9102	1308.32	0.400%	2.01617	0.79	0.34	401.5
send password-to-email	1000	916	3	2257	510.85	0.400%	2.01588	0.57	0.52	288.9
U1 - forget password	1000	10526	3451	175538	18133.42	2.100%	2.00692	12.51	1.41	6384.5
login-user1	1000	3759	2	8691	1104.98	0.400%	1.99496	0.72	1.47	370.6
Google login	1000	4571	2	8246	821.78	0.400%	1.97967	0.75	1.49	387.5
Facebook login	1000	4652	2	5265	532.70	0.400%	1.97463	0.75	1.48	387.5
U2 - login	1000	12982	6	21830	1978.55	0.400%	1.95650	2.19	4.38	1145.7
hide 'Education'	1000	4758	2	5353	487.77	0.400%	1.97136	4.01	0.48	2080.5
hide 'Work Experience'	1000	4717	2	5917	469.15	0.400%	1.97120	3.98	0.48	2068.8
hide 'Projects'	1000	4699	2	7925	458.22	0.300%	1.97545	4.00	0.48	2071.6
hide 'Skills'	1000	4718	2	16819	647.29	0.300%	1.98240	4.02	0.49	2075.4
hide 'Subjects'	1000	4691	2	8764	530.82	0.300%	1.99392	4.04	0.49	2073.5
hide 'Gallery'	1000	4688	2	17270	1025.09	0.300%	1.94571	3.94	0.47	2071.4
show 'Education'	1000	4743	2	59790	2121.02	0.200%	1.95985	3.96	0.48	2068.2
show 'Work Experience'	1000	4763	2	79562	2616.53	0.200%	1.97074	3.98	0.48	2068.2
show 'Projects'	1000	5015	2	89617	4903.26	0.800%	1.93305	3.94	0.47	2086.8
show 'Skills'	1000	7475	2	238741	17212.69	2.000%	1.94666	4.05	0.47	2128.6
show 'Subjects'	1000	4461	2	86189	3959.60	1.600%	1.96179	4.06	0.48	2120.7
show 'Gallery'	1000	4233	2	9020	1383.83	1.200%	1.97218	4.06	0.48	2106.3
U3 - hide sections	1000	58968	26	283442	17774.69	3.000%	1.79782	43.93	5.25	25019.8
reset user1	1000	8745	2	15870	2714.25	0.900%	1.99037	0.81	1.62	414.6
see-reset-change	1000	6621	2	86957	3378.84	0.700%	2.01941	4.56	1.19	2313.4
U4 - resetting page	1000	15366	4	86980	5297.50	0.900%	1.98732	5.29	2.79	2728.0
add one file	1000	7491	2	9307	2384.69	0.700%	2.03820	5.01	1.49	2518.1
delete one file	1000	6072	2	9247	2110.62	0.500%	2.04880	6.28	1.51	3140.6
add another	1000	4782	2	15297	1569.20	0.400%	2.04682	6.60	1.57	3301.4
delete another	1000	4417	2	16383	1339.04	0.300%	2.04534	4.16	1.67	2082.8
U5 - delete files	1000	22764	8	33706	6647.92	0.700%	2.03178	21.91	6.19	11043.0
login user1	1000	4512	2	84721	3571.68	0.300%	2.00704	0.72	1.48	368.9
find URL	1000	4849	2	90673	5135.90	2.600%	2.00170	4.42	1.16	2262.6
copy URL	1000	4481	2	79660	4224.24	2.500%	1.99989	4.41	1.16	2258.2
paste URL	1000	1313	2	33423	2517.71	2.300%	1.99875	5.55	1.33	2843.0
U6 - copy and paste URL	1000	15156	12	98745	8128.08	4.200%	1.99871	15.09	5.12	7732.6
send email1	1000	1389	2	60515	3689.67	2.100%	1.99749	0.65	1.56	335.5
send email2	1000	1494	2	84192	4619.17	1.900%	1.99624	0.64	1.62	330.0
U7 - contact another user through email	1000	2884	4	84195	6014.54	2.100%	1.99622	1.30	3.18	665.4
getPage	1000	3379	2	60595	7675.82	2.000%	1.94930	5.41	1.48	2842.4
download	1000	7818	2	77354	12305.91	1.800%	1.93665	185.00	1.12	97820.2
return	1000	2845	2	76790	8460.88	1.800%	1.93430	116.25	1.15	61544.1
U8 - download PDF	1000	14043	6	80508	16445.62	2.100%	1.92727	305.29	3.73	162206.7
TOTAL	42000	7271	2	283442	11648.40	1.152%	68.72189	693.25	53.68	10329.8

Figure 2: Summary Report

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Max	Error %	Throughput	Received KB/sec	Sent KB/sec
home-getpage	1000	6146	2283	2956	19495	82764	1298	173697	1.600%	2.05194	5.72	0.28
login-getpage	1000	1229	1264	1594	1985	2092	2	2319	0.500%	2.05163	5.69	0.29
get password	1000	2234	2199	3390	4405	6907	2	9102	0.400%	2.01617	0.79	0.34
send password-to-email	1000	916	713	1801	1966	2141	3	2257	0.400%	2.01588	0.57	0.52
U1 - forget password	1000	10526	6430	8858	25911	91282	3451	175538	2.100%	2.00692	12.51	1.41
login-user1	1000	3759	3690	4500	4690	8534	2	8691	0.400%	1.99496	0.72	1.47
Google login	1000	4571	4898	5005	5015	8041	2	8246	0.400%	1.97967	0.75	1.49
Facebook login	1000	4652	4953	5011	5040	5249	2	5265	0.400%	1.97463	0.75	1.48
U2 - login	1000	12982	12949	13901	14556	21597	6	21830	0.400%	1.95650	2.19	4.38
hide 'Education'	1000	4758	4967	5059	5083	5127	2	5353	0.400%	1.97136	4.01	0.48
hide 'Work Experience'	1000	4717	4920	4991	5019	5111	2	5917	0.400%	1.97120	3.98	0.48
hide 'Projects'	1000	4699	4891	4995	5030	5073	2	7925	0.300%	1.97545	4.00	0.48
hide 'Skills'	1000	4718	4890	5036	5080	5190	2	16819	0.300%	1.98240	4.02	0.49
hide 'Subjects'	1000	4691	4886	4976	5016	5152	2	8764	0.300%	1.99392	4.04	0.49
hide 'Gallery'	1000	4688	4899	4992	5013	5338	2	17270	0.300%	1.94571	3.94	0.47
show 'Education'	1000	4743	4869	4970	5004	5170	2	59790	0.200%	1.95985	3.96	0.48
show 'Work Experience'	1000	4763	4873	4987	5021	5139	2	79562	0.200%	1.97074	3.98	0.48
show 'Projects'	1000	5015	4864	4974	5008	16838	2	89617	0.800%	1.93305	3.94	0.47
show 'Skills'	1000	7475	4849	5148	6704	86276	2	238741	2.000%	1.94666	4.05	0.47
show 'Subjects'	1000	4461	4236	4962	5248	8185	2	86189	1.600%	1.96179	4.06	0.48
show 'Gallery'	1000	4233	4260	4884	4910	8572	2	9020	1.200%	1.97218	4.06	0.48
U3 - hide sections	1000	58968	56167	57477	75181	131056	26	283442	3.000%	1.79782	43.93	5.25
reset user1	1000	8745	9107	10755	11071	12924	2	15870	0.900%	1.99037	0.81	1.62
see-reset-change	1000	6621	7052	8918	8975	9048	2	86957	0.700%	2.01941	4.56	1.19
U4 - resetting page	1000	15366	16149	19107	20022	20973	4	86980	0.900%	1.98732	5.29	2.79
add one file	1000	7491	8202	8946	9005	9121	2	9307	0.700%	2.03820	5.01	1.49
delete one file	1000	6072	6235	8128	8855	8990	2	9247	0.500%	2.04880	6.28	1.51
add another	1000	4782	4915	6007	7051	8192	2	15297	0.400%	2.04682	6.60	1.57
delete another	1000	4417	4824	4982	5006	5915	2	16383	0.300%	2.04534	4.16	1.67
U5 - delete files	1000	22764	24856	27008	27586	28019	8	33706	0.700%	2.03178	21.91	6.19
login user1	1000	4512	4829	4983	5047	5835	2	84721	0.300%	2.00704	0.72	1.48
find URL	1000	4849	4886	5145	5295	20309	2	90673	2.600%	2.00170	4.42	1.16
copy URL	1000	4481	4299	5126	5297	21111	2	79660	2.500%	1.99989	4.41	1.16
paste URL	1000	1313	967	1526	2707	14780	2	33423	2.300%	1.99875	5.55	1.33
U6 - copy and paste URL	1000	15156	14922	16768	27709	37866	12	98745	4.200%	1.99871	15.09	5.12
send email1	1000	1389	891	1874	2746	17568	2	60515	2.100%	1.99749	0.65	1.56
send email2	1000	1494	929	1778	3013	16007	2	84192	1.900%	1.99624	0.64	1.62
U7 - contact another user through email	1000	2884	2076	3627	5414	33818	4	84195	2.100%	1.99622	1.30	3.18
getPage	1000	3379	821	9115	16563	33513	2	60595	2.000%	1.94930	5.41	1.48
download	1000	7818	2226	18842	34249	68389	2	77354	1.800%	1.93665	185.00	1.12
return	1000	2845	866	4207	10041	60324	2	76790	1.800%	1.93430	116.25	1.15
U8 - download PDF	1000	14043	7186	35748	40897	73578	6	80508	2.100%	1.92727	305.29	3.73
TOTAL	42000	7271	4844	14705	24060	57044	2	283442	1.152%	68.72189	693.25	53.68

Figure 3: Aggregate Report



**Figure 4: Aggregate Graph**

In short, we could see all the functions have successfully met our initial expectation for the performance of the system.

# Sprint 2 Test Cases

The hypertext link below points to our test cases for the functional test of sprint 2.

[sprint 2 function test.xlsx](#)

\*The table is quite big, please download the origin file to the local directory so as to get a clear view.

# Sprint 2 Testing plan

During Sprint 2, the testing team would firstly conduct the function test for all the left requirements. Then, performance tests would be done to ensure that our system could meet requirements of performance made by the clients. Lastly, the system test that contains all the test cases would be operated, followed by the user acceptance test executed by our client representatives.

## Steps the team would take to test functional and non-functional requirements of Sprint 2

The flow chart below shows a general overview of testing processes we would operate during sprint 2:

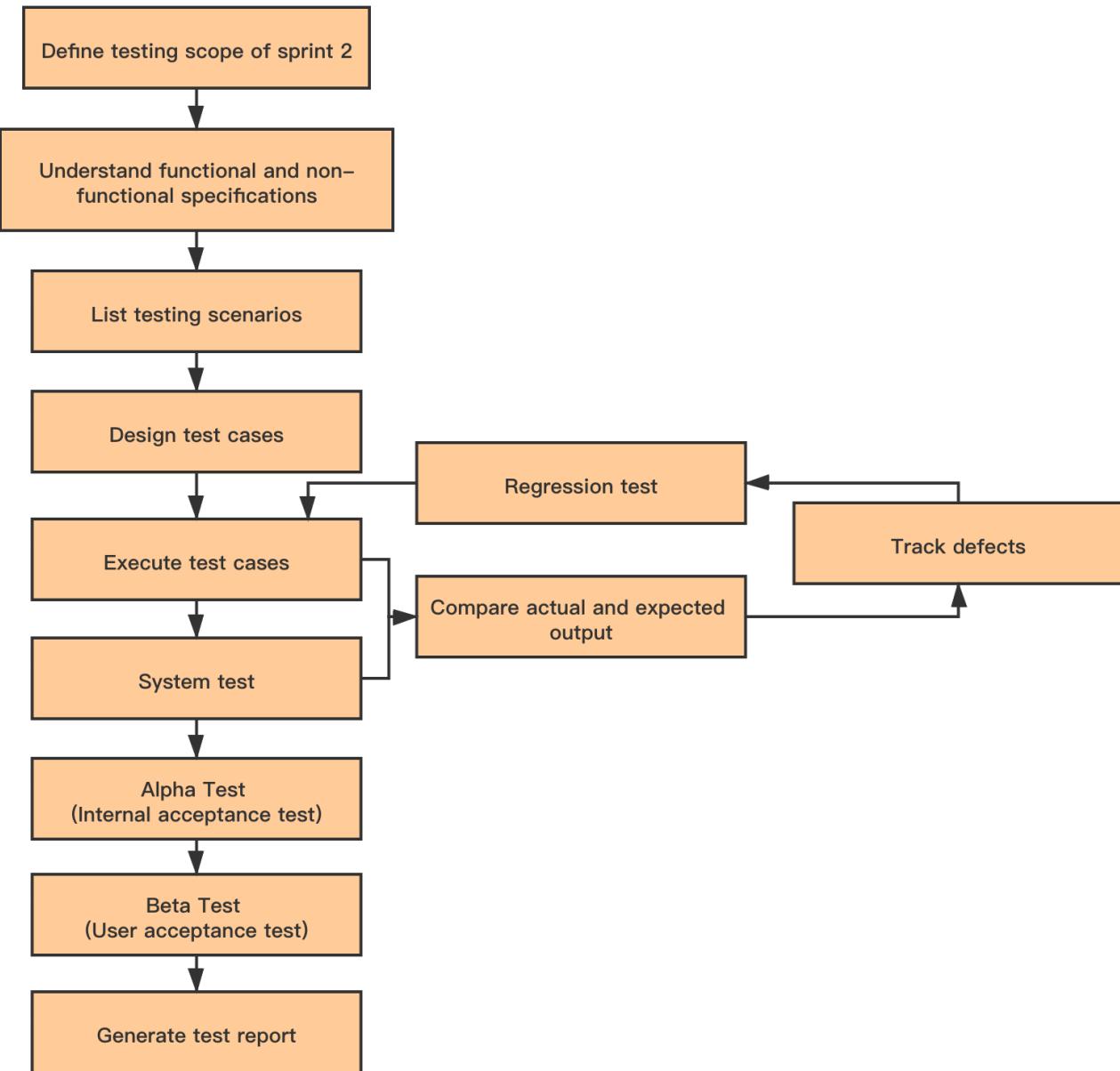


Figure 1: Sprint 2 testing processes

It is important to mention that, when the team starts to design or execute test cases, the team should consider not only functional requirements, but also other non-functional expectations put forward by the clients. For example, performance of the server, UI layout of the website, compatibility and usability should also be taken into consideration. In the following paragraphs, detailed description of each step of the sprint 2 testing plan would be shown.

### 1. Define the testing scope

In this step, the testing team makes a list of user stories included in sprint 2 that are going to be examined. Below is the list of all the requirements we would test in sprint 2:

- **Functional requirements:**

User story ID	User story Name
1	Forget password
5	Delete files / pictures
6	Copy and paste URL
7	Send email to another user
8	Download a user's profile in PDF format

- **Non-functional requirements:**

Requirement type	Requirement name
Performance requirement	1000 threads concurrently simulate U1 - 'forget password'
Performance requirement	1000 threads concurrently simulate U2 - 'Google login' and 'Facebook login'
Performance requirement	1000 threads concurrently simulate U3 - 'hide and show six sections'
Performance requirement	1000 threads concurrently simulate U4 - 'resetting the user account'
Performance requirement	1000 threads concurrently simulate U5 - 'delete texts, files or pictures'
Performance requirement	1000 threads concurrently simulate U6 - 'copy and paste URL'
Performance requirement	1000 threads concurrently simulate U7 - 'send email to another user'
Performance requirement	1000 threads concurrently simulate U8 - 'download user's profile in PDF format'
UI requirement	layout of the home page
UI requirement	layout of the 'register' page
UI requirement	layout of the 'login' page
UI requirement	layout of the 'reset' page
UI requirement	layout of the 'profile' page
UI requirement	layout of the 'public view' page
Compatibility requirement	Mac OS X
Compatibility requirement	Windows 10
Compatibility requirement	Google Chrome
Compatibility requirement	Safari
Compatibility requirement	Firefox
Usability requirement	usability of basic functions: register, login; upload, delete and download files.
Usability requirement	usability of advanced functions: view others' profile, contact another user, copy and paste URL.

## 2. List testing scenarios

In this section, we list down possible test scenarios for all required functions. Test scenarios are helpful when designing test cases, since they offer a basic idea of what would be examined when testing a specific requirement.

### **3.Design test cases**

This time, the team would begin to design use cases. Use cases should be created strictly follow the table below:

Code	Module	Name	Designer	Maintainer	Create time	Type	Status	Pre-condition	Steps	Expected outcome	Importance level
------	--------	------	----------	------------	-------------	------	--------	---------------	-------	------------------	------------------

ID of the use case.	Functional module that the use case belongs to.	Name of the use case.	Name of the designer.	Name of the maintainer.	Time when the use case is created.	Type of the test case.	Current status of the use case.	Pre-condition needed to fulfill before executing the test case.	Steps need to take when executing the use case.	Expected output after running the test case.	Level of importance of the test case.
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#### 4. Execute test cases

In this step, the team would start running these test cases above. These test cases would firstly be executed after completion of each function. After the full achievements of all requirements in sprint 1, system test and regression test would be conducted, during which the team would go through all these test cases again to see whether functions the team completed in sprint 1 would meet requirements of clients.

The following table indicates 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.

It is the comparison of expected results to actual results that will determine whether the test has a 'Pass' or 'Fail' status.

#### 5. System test and regression test

This time, all the functional modules have been integrated and the whole system has been built successfully. In this step, the team would start with a smoke test to see if the software is runnable. Afterwards, functional testing cases would be executed one by one again. However, test cases conducted during the system test are different to those operated in function tests, not only because in the system test we focus more on the overall system, but also due to that we are meant to find 'problems' existing in our product. That is to say, during function tests, the team wants to guarantee that all the basic functional modules are working well; While during system test, the major goal is to find any existing defects, logging them into requirement traceability matrix (RTM) and tracking them. Then, a regression test would be done with the help of RTM. In regression tests, test cases are re-executed so as to check whether the previous defects is fixed and the new changes have not brought any new bugs. All the team members would try their best fixing the defects and optimize the product. If no severe defects exist in the system, the testing team would move to the next step.

#### 6. Internal acceptance test (Alpha test)

If the system test is passed without finding any severe defects, alpha test would be put into process. In the alpha test, the team would go through the sprint 1 test cases again to see if all functions are met at a high level of quality. If there are no severe functional defects left the team would move to the next step, beta tests operated by client representatives.

#### 7. User acceptance test (Beta test)

Beta test is an important step in our testing plan. Once passed the user acceptance test, our product could be regarded as quality guaranteed and could be released and put into actual use. In this step, the team would invite client representatives to a user acceptance test meeting to see if they have any suggestions on the functional and non-functional modules of our project.

# System Test and User Acceptance Test

## 1. System Test

### 2.1 Design test cases for the system test

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

[System test cases.xlsx](#)

There are 340 test cases for the system test, including 267 cases for the function test, 36 cases for the security test, 22 cases for the performance test, 6 cases for the UI test, 7 cases for the compatibility test and 2 cases for the usability test.

### 2.2 Execute test cases for the system test

From 24th, May to 25th, May, the testing team spent these two days going through all the test cases for the system test. The figures below could show the final result of the system test.

Report basic information



Test library: SaltyFish\_System\_Test

Test Plan: System Test

Starting time: May 24, 2021

End Time: May 25, 2021

status: completed

principal: Chengyu Zhang

Associated portfolio - SaltyFish

Associated iteration:

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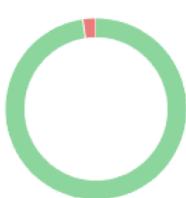
Report summary:

This is the final report for the system test of the ePortfolio system of team SaltyFish. We could see there are no high risky functional defects left. The team decided to ignore the left defects since they have no harmful impacts on the level of completion of the website. Actually, most of these defects are related to UI layout and usability.

[edit](#)

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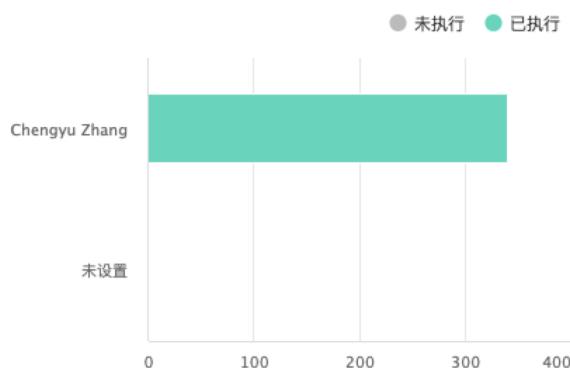
## Use case result distribution



- 通过
- 受阻
- 失败
- 跳过
- 未测

result	Number of use cases	Percentage
✓ by	332	97.65%
🟡 Blocked	0	0%
🔴 failure	8	2.35%
⏩ jump over	0	0%
❓ Untested	0	0%

## Member implementation



member	Not performed	It has been executed
Chengyu Zhang	0	340
Not set	0	0

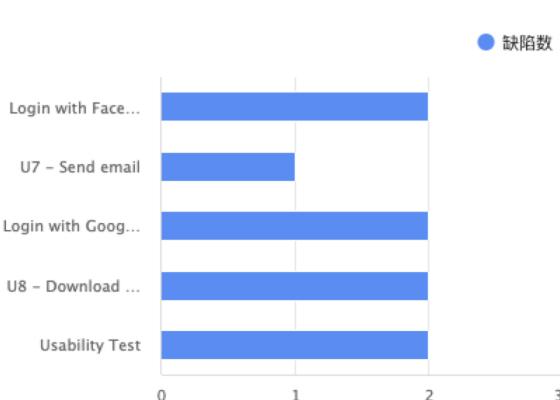
## Defect statistics



- 致命
- 严重
- 一般
- 建议

severity	Number of defects	Percentage
fatal	0	0%
serious	0	0%
general	0	0%
Suggest	5	100%

## Defect module distribution



Consulting the testing report above, the team drew the final version of the requirement traceability matrix (RTM). The three tables below show the different status of test cases, severity level of a defect and the final version of RTM, respectively.

- Different status of test cases:**

Status of a test case	Description
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):**

Test Name	User Story ID	Status	Defect	Description
Forget password	1	Pass	Pass	Requirements have been met successfully.
Google login	2-1	Pass	Could Ignore	Account would not be frozen if the user input incorrect passwords for more than three times. This may result account vulnerable to brute force decryption, but it is not covered in the scope of our project.
Facebook login	2-1	Pass	Could Ignore	Account would not be frozen if the user input incorrect passwords for more than three times. This may result account vulnerable to brute force decryption, but it is not covered in the scope of our project.
Delete sections	3	Pass	Pass	Requirements have been met successfully.
Reset page	4	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.

To summarize, although there are still 9 defects left, none of them is harmful to the achievements of the functional requirements. Furthermore, most of them are related to UI design or usability of the system, which are slightly beyond the scope of our initial requirements, so the team decided to ignore these defects. In this case, the team passed the system test, and could move to the next step.

## 2. User Acceptance Test (Beta Test)

Beta test is an important step in our testing plan. Once passed the user acceptance test (UAT), our product could be regarded as quality guaranteed and could be released and put into actual use. In this step, the team invited two second-year master students of UoM who act as client representatives to a user acceptance test meeting on 27th, May, 2021. Images below are the screenshots of the invitation:

[Invitation 1.jpeg](#). [Invitation 2.jpeg](#)

The testing lead used Wechat to invite client representatives to attend the beta testing meeting. It seems a bit informal, especially that the conversation is in Chinese but translated into English. This is because the two client representatives prefer to communicate in Chinese, and both of them are close friends of one of the team members, so the team does not pay additional attention to politeness. When communicating with other big stakeholders, the team would use more formal methods such as sending a formal meeting invitation email attached with a calendar. Whatever, the meeting has been successfully held, and both two client representatives offered many valuable suggestions, which are recorded in the user acceptance test meeting notes below.

The figure below shows the detail of the UAT meeting:

[UAT meeting detail.png](#)

Below is the meeting record for the UAT meeting:

### Meeting Minutes

Date & Time: 2021-5-27 20:00 - 20:38 (Melbourne time)

Location: Tcent Meeting

Recorded by: Chengyu Zhang (Testing lead of team SaltyFish)

Host: Chengyu Zhang

Client representatives Yang Cui, second-year MIT student of UoM

Nanxuan Li, second-year CS student of UoM

#### 1. Help clients build the testing environment.

#### 2. Go through all test cases.

Most of the test cases are the same to the system test, which could be downloaded through this link: [System test cases.xlsx](#). Besides, as required by the client representatives, we also tested functions achieved by the former team but not within the scope of our project. Surprisingly, we found many defects that could have bad effects on the usability of the website.

#### 3. Feedback from the client representatives

In this section, feedback and corresponding suggestions would be recorded in a table. If provided with more time, the team would follow such advice to optimize the system.

ID	Module	Defect Name	Type	Description	Suggestion
1	Beyond the scope of our project	Working period in 'Work Experience' section - no format control	Usability	End date of a specific working experience could be earlier than start date, which is normally not permitted.	Add format control. End date cannot be earlier than the start date.
2	Beyond the scope of our project	Project repository link in 'Projects' section- no format control	Function	Invalid hyperlinks are not banned in the 'Projects' section.	Invalid or non-existing links should be banned.
3	Beyond the scope of our project	Subject year in 'Subjects' section - hard to use	Usability	Subject year is set compulsory, which is not user-friendly.	Subject year should be set as optional, not compulsory.
4	Beyond the scope of our project	Subject year in 'Subjects' section - no format restrict	Function	In the input box of the subject year in 'Subjects' section, not only a particular year, alphabetic characters or strings are also permitted.	Only a particular year is permitted in the input box of the subject year in 'Subjects' section.
5	Beyond the scope of our project	Buttons' style - too big	UI design	All the 'Submit' buttons are larger than the input boxes.	Buttons should be set smaller than the input boxes.
6	Beyond the scope of our project	Type of the transcript file	Usability	When uploading a transcript, only '.PDF' type is permitted.	When uploading a transcript, not only '.PDF' type, '.jpg', 'jpeg', and '.png' should also be permitted.
7	Beyond the scope of our project	Delete photos in 'Gallery' section	Usability	After deleting a picture in 'Gallery' section, the user needs to make another click to see left pictures.	After deleting a picture in 'Gallery' section, left pictures would be automatically displayed to the user.
8	Compatibility Test / Web browser / Safari	A Display problem occur	Compatibility	When using Safari to visit the public view of a user's profile, the navigation bar would cover some of the other sections.	When using Safari to visit the public view of a user's profile, the navigation bar should not cover any other sections.

Besides these defects, the client representatives were satisfied with the overall performance of our website. They were glad to see progress we made after sprint 1, and were surprised about achievements we made during sprint 2. In short, the client representatives admitted that the system had successfully met their initial expectation, and the Beta test was passed.

### 3. Lessons learned in the UAT

The user acceptance test, which could also be regarded as Beta test, is extremely helpful because it provides an absolutely new standpoint that comes from the clients' perspective. To be specific, as the development process of our project goes, internal testers would gradually get used to the system. In this case, they cannot find more defects, even if these defects seem to be obvious when the system is being tested by the end-users outside the team. In this way, clients may find fatal defects that the testing team failed to point out, which could contribute to the level of completion of the final product.

Additionally, the client representatives could stand in users' shoes, since they are actually representatives of people who are the target customers of the system. In this way, they may have a using preference that most users may have but the testing team does not have, which results in the phenomenon that these client representatives could find defects which are coincidentally missed by the internal testers.

At the end of this report, please let me show sincere gratitude to the two client representatives, Yang Cui and Nanxuan Li. Without their help, the team cannot find what to improve in the future.

# Deployment

Written by [Jiaxin Mo](#)

## Local

To deploy this project in your local computer, you need to download Node.js firstly: <https://nodejs.org/en/download/>

In this project directory (same directory as server.js), some available commands and scripts can be run in a cmd prompt:

```
npm install
```

Install Node.js dependencies.

```
npm start
```

It runs the server in the development mode at <http://localhost:5000>. The page will reload if you save changes of your code.

```
npm run client
```

Open another cmd prompt and enter the command. It loads the client in your browser at <http://localhost:3000>.

### Your app is deployed!

If you are unable to load the app due to some errors, please install the following scripts as well.

```
npm install openssl  
npm install bootstrap  
  
npm install react-google-login  
//or npm install react-google-login --legacy-peer-deps  
  
npm install react-facebook-login  
//or npm install react-facebook-login --legacy-peer-deps
```

OpenSSL is a general-purpose cryptography library that stores some private information for HTTPS.

Packages of react-google-login and react-facebook-login are necessary for Google and Facebook login.

## Heroku

### How to deploy?

In the package.json, you need to define some information, scripts and dependencies. Please make sure your Node.js is v12/v14/v16, and all the listed dependencies are in single correct version.

```
{  
  "name": "Team-SaltyFish",  
  "version": "1.0.0",  
  "description": "",  
  "main": "server.js",  
  "scripts": {  
    "client": "npm start --prefix client",  
    "client-install": "npm install --prefix client",  
    "test": "echo \\\"Error: no test specified\\\" && exit 1",  
    "start": "node server.js",  
    "heroku-postbuild": "NPM_CONFIG_PRODUCTION=false npm install && npm run build --prefix client",  
    "dev": "concurrently \\\"npm start\\\" \\\"npm run client\\\""  
  },  
  "engines": {  
    "node": "14.17.0"  
  },  
  "repository": {  
    "type": "git",  
    "url": "git+https://github.com/UG-SaltyFish/Team-SaltyFish.git"  
  },  
  "homepage": ".",  
  "dependencies": {  
    //your dependencies  
  }  
}
```

After you get a Heroku account, you can run the following commands in a cmd at src/ directory.

Login Heroku with your API key.

```
heroku login
```

Create a new app with a defined name (eg. saltyfishwillgraduate) into your account.

```
heroku create saltyfishwillgraduate
```

Deploy and push to the Heroku app from local repository.

```
git push heroku master  
//or git push heroku $BRANCH_NAME:master
```

Due to sensitive nature of AWS S3 credentials, you should set access key and secret key as config vars for the Heroku apps to deploy Amazon storage.

```
heroku config:set S3_ACCESS_KEY=<your access key> S3_SECRET_ACCESS_KEY=<your secret key>
```

The app loads in your browser at <https://saltyfishwillgraduate.herokuapp.com>.

```
heroku open
```

# **Release**

GitHub link: <https://github.com/UG-SaltyFish/Team-SaltyFish.git>

Sprint 1:

[COMP90082 2021 RLSE <UG> <1.0>](#)

Sprint 2:

# **Handover**

# Group: YoungBlood



Welcome to your new space!

Confluence spaces are great for sharing content and news with your team. This is your home page. Right now it shows recent space activity, but you can customize this page in any way you like.

## Complete these tasks to get started

- Edit this home page** - Click *Edit* in the top right of this screen to customize your Space home page
- Create your first page** - Click the *Create* button in the header to get started
- Brand your Space** - Click *Configure Sidebar* in the left panel to update space details and logo
- Set permissions** - Click *Space Tools* in the left sidebar to update permissions and give others access

## Recent space activity



**CHENGYU ZHANG**

System Test and User Acceptance Test 20 •



**Jingjin Li**

UI changes 2 •



**CHENGYU ZHANG**

Handover 7:56

Sprint 2 test 5:23 •

Sprint 2 Test Cases 26 , 2021 •

## Space contributors

- Yichao XU (1)
- Wenyu Xie (3)
- Wentao HAO (3)
- Tianyi Zheng (9)
- Yuyang Wang (9)
- ...

# YB - Project Description

## Project Overview

### Project Background

This project is to further extend the web-based e-Portfolio system - **Microhard** developed by students from COMP30022.

Since the project has no other clients, therefore all of our team members and supervisor will be the clients to experience the product we develop.

### Project Aims

- Optimize existing functions so that users can have a better experience while using them.account 20% of our time
- Expand new functions to achieve user's needs further in different scenarios.account 80% of our time

### Project Tools

- **Agile model** will be the ideal tool for us to organise our work during this period
- When it comes to our daily communication, **SlackWechat** and **Zoom** will be the useful and convenient tools
- When it comes to the documents, we push our code in the **Github**, record the documents in the **Confluence** and track our workload by the **ello**.

### Project Period# we explain clearer in our timeline document [click Timelines](#)

The whole project will be divided to 2 Sprints.

We start our Sprint 1 at week 43.29and we plan to finish Sprint 1 at week 54.9

We start our Sprint 2 at week 64.12and we plan to finish Sprint 2 at week 84.30

### Project Brief Planning# we explain clearer in our user stories document [click User Story](#)

	To-do-list	
Sprint 1	• <b>Information flow</b>	• User can browse the twits from friends or someone else
		• User can post the twits
		• User can search the twits
Sprint 2	• <b>Instant Messaging</b>	• User can chat with other online

### Project Architectural Design [click Architectural Design](#)

### Project Motivational Modelling [click Motivational Modelling](#)

GitHub link: <https://github.com/Alberyang/YoungBlood/tree/master>

# Team

Name	Email	Role	High-Level Responsibilities
Wentao Hao	<a href="mailto:haowh@student.unimelb.edu.au">haowh@student.unimelb.edu.au</a>	Backend Developer	<ul style="list-style-type: none"><li>• API generation</li><li>• Backend logic design</li><li>• Documentation</li></ul>
Yuyang Wang	<a href="mailto:yuyawang@student.unimelb.edu.au">yuyawang@student.unimelb.edu.au</a>	Backend Developer	<ul style="list-style-type: none"><li>• Database design</li><li>• API generation</li><li>• Backend logic design</li></ul>
Wenyu Xie	<a href="mailto:xiwx@student.unimelb.edu.au">xiwx@student.unimelb.edu.au</a>	Scrum master	<ul style="list-style-type: none"><li>• Designing product architecture and function</li><li>• Designing UE and UI</li><li>• Documentation</li><li>• Frontend programming</li></ul>
Yichao Xu	<a href="mailto:yichaox@student.unimelb.edu.au">yichaox@student.unimelb.edu.au</a>	Frontend Developer	<ul style="list-style-type: none"><li>• Designing UI and adding new features</li><li>• Frontend programming</li><li>• Documentation</li></ul>
Tianyi Zheng	<a href="mailto:zhetz@student.unimelb.edu.au">zhetz@student.unimelb.edu.au</a>	Backend Developer	<ul style="list-style-type: none"><li>• Database design</li><li>• Backend developing</li><li>• Arrange tasks based on user stories</li></ul>

# YB - User Stories

## Version 1

ID	User Stories	Priority	Sprint	Progress
1	As a user, I want to <b>browse</b> the <b>moments</b> of the official account.	high	1	COMPLETED
2	As a user, I want to <b>like</b> the <b>moments</b> of the official account.	high	1	COMPLETED
3	As a user, I want to <b>cancel the like</b> of the <b>moments</b> of the official account.	medium	1	COMPLETED
4	As a user, I want to <b>comment on the moments</b> of the official account.	high	1	COMPLETED
5	As a user, I want to <b>delete my comment</b>	high	1	COMPLETED
6	As a user, I want to <b>share the moments</b> of the official account.	high	1	COMPLETED
7	As a user, I want to <b>delete my sharing</b> of the <b>moments</b> of the official account.	medium	1	COMPLETED
8	As a user, I want to <b>share the moments</b> of my following person to a Third-party platform (Facebook/Wechat, etc).	low	2	SUSPENDED

## Version 2

ID	User Stories	Priority	Sprint	Progress
9	As a user, I want to <b>browse</b> the <b>moments</b> of a non-official account (individual person's <b>moments</b> ).	high	1	COMPLETED
10	As a user, I want to <b>like</b> the <b>moments</b> of a non-official account (individual person's <b>moments</b> ).	high	1	COMPLETED
11	As a user, I want to <b>cancel the like</b> of the <b>moments</b> of a non-official account (individual person's <b>moments</b> ).	medium	1	COMPLETED
12	As a user, I want to <b>comment on the moments</b> of a non-official account (individual person's <b>moments</b> ).	high	1	COMPLETED
13	As a user, I want to <b>delete my comment</b>	high	1	COMPLETED
14	As a user, I want to <b>share the moments</b> of a non-official account (individual person's <b>moments</b> ).	high	1	COMPLETED
15	As a user, I want to <b>delete my sharing</b> of the <b>moments</b> of a non-official account (individual person's <b>moments</b> ).	medium	1	COMPLETED
16	As a user, I want to <b>share the moments</b> of a non-following person to a Third-party platform (Facebook/Wechat, etc).	low	2	SUSPENDED

## Version 3

ID	User Stories	Priority	Sprint	Progress
17	As a user, I want to <b>publish my plain-text moments</b> .	high	1	COMPLETED
18	As a user, I want to <b>publish my picture moments</b> .	high	1	COMPLETED
19	As a user, I want to <b>publish my moments including plain text and pictures</b> .	high	1	COMPLETED
20	As a user, after I having selected the pics I do not want to upload, I want to delete those pics before I posting this <b>moment</b> .	low	1	COMPLETED
21	As a user, I want to <b>publish my moments including interesting emojis</b> .	medium	1	COMPLETED
22	As a user, I want to <b>delete my moments</b>	medium	1	COMPLETED

## Version 4

ID	User Stories	Priority	Sprint	Progress
23	As a user, I want to <b>search for some information</b> by using a search function.	low	1 & 2	ON PROGRESS
24	As a user, I want to view a nice UI design of the website.	low	2	ON PROGRESS

## Version 5

ID	User Stories	Priority	Sprint	Progress
25	As a user, I want to <b>join the chat channel</b> .	high	2	COMPLETED
26	As a user, I want to <b>receive messages</b> sent by my friends.	high	2	COMPLETED
27	As a user, I want to quickly <b>display all of my unread messages</b>	low	2	COMPLETED
28	As a user, I want to <b>create a chat room</b> .	high	2	COMPLETED
29	As a user, I want to <b>find friends</b> who I want to chat with through the contact list	high	2	COMPLETED
30	As a user, when I search for friends, I hope I can <b>judge whether the friend I want to chat with is online by the green dot or red dot on his avatar</b>	high	2	COMPLETED
31	As a user, I want to <b>see all the photos and videos</b> that appear in the current chat room.	high	2	COMPLETED
32	As a user, I want to <b>search for chats</b>	low	2	SUSPENDED
33	As a user, I want to <b>delete chats</b>	medium	2	COMPLETED
34	As a user, I want to <b>mark chats as unread chats</b>	low	2	SUSPENDED
35	As a user, I want to <b>set one chat to the top position</b> in my chat list	medium	2	SUSPENDED
36	As a user, I want to <b>block chats</b>	low	2	SUSPENDED

## Version 6

ID	User Stories	Priority	Sprint	Progress
37	As a user, I want to <b>send texts</b> to my friends	high	2	COMPLETED
38	As a user, I want to <b>send emojis</b> to my friends	high	2	ON PROGRESS
39	As a user, I want to <b>send messages including text and emojis</b> to my friends	high	2	ON PROGRESS
40	As a user, I want to <b>send pictures</b> to my friends	medium	2	COMPLETED
41	As a user, I want to <b>send videos</b> to my friends	medium	2	COMPLETED

## Version 7

ID	User Stories	Priority	Sprint	Progress
42	As a user, I want to view a nice UI design of the chatting room.	low	2	COMPLETED

# User Stories Analysis

0317 | #1 Requirement Planning Document – [by Wenyu Xie](#)

## Overview

1. Two directions to choose: Information Flow & Instant Messaging.
2. I personally prefer doing both, but with basic implementation. Referring to Part A for more details.
3. The schematic diagrams of these two features are provided respectively, referring to Part B for more details.
4. Due to the absence of final decision, I only integrated part of the requirements from user stories, referring to Part C.
5. An X-mind graph is attached in the end, for us to brainstorm different plans.

## A. Two directions I came up with currently

1. Information flow
2. Instant messaging

We can do: 1). Only 1; 2). Only 2; 3. Both.

	Pros	Cons
<b>Only develop one feature (in-depth)</b>	<ol style="list-style-type: none"><li>1. From our perspective: if any of us will be working on the field such as information flow or instant messaging, this is an opportunity to train the related skills.</li><li>2. From project's perspective, in-depth development might involve better frameworks or implementation schemes that will impress Leon.</li></ol>	If we're doing in-depth, for the style of frontend and the framework of backend will be very time consuming, then it's not suitable for members who are on tight class schedules or preparing for campus recruitment.
<b>Develop both (with basic functionalities)</b>	<ol style="list-style-type: none"><li>1. From our perspective, we can probably spend less time on the project.</li><li>2. From project's perspective, the whole product will have more diverse functionalities.</li></ol>	But might lead to non-decent scores.

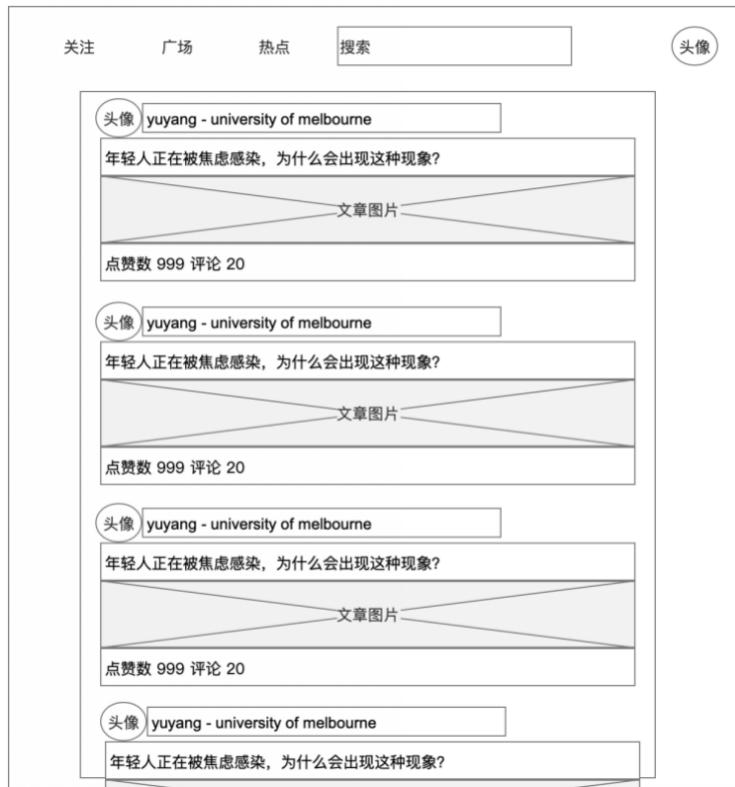
My preference: do both, instant messaging + information flow.

Reasons:

- Enrich product's functionalities, so that we have things to write or present.
- Can save our time. If there's still time remains after, we can do more.

## B. Schematic diagrams for two directions

Information flow:



Instant messaging:

全部 未读

---

taylor - unibersity of mel 14.21  
nice to meet you, my bro

taylor - unibersity of mel 14.21  
nice to meet you, my bro

taylor - unibersity of mel 14.21  
nice to meet you, my bro

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taylor - unibersity of mel 14.21  
nice to meet you, my bro

---

please enter something

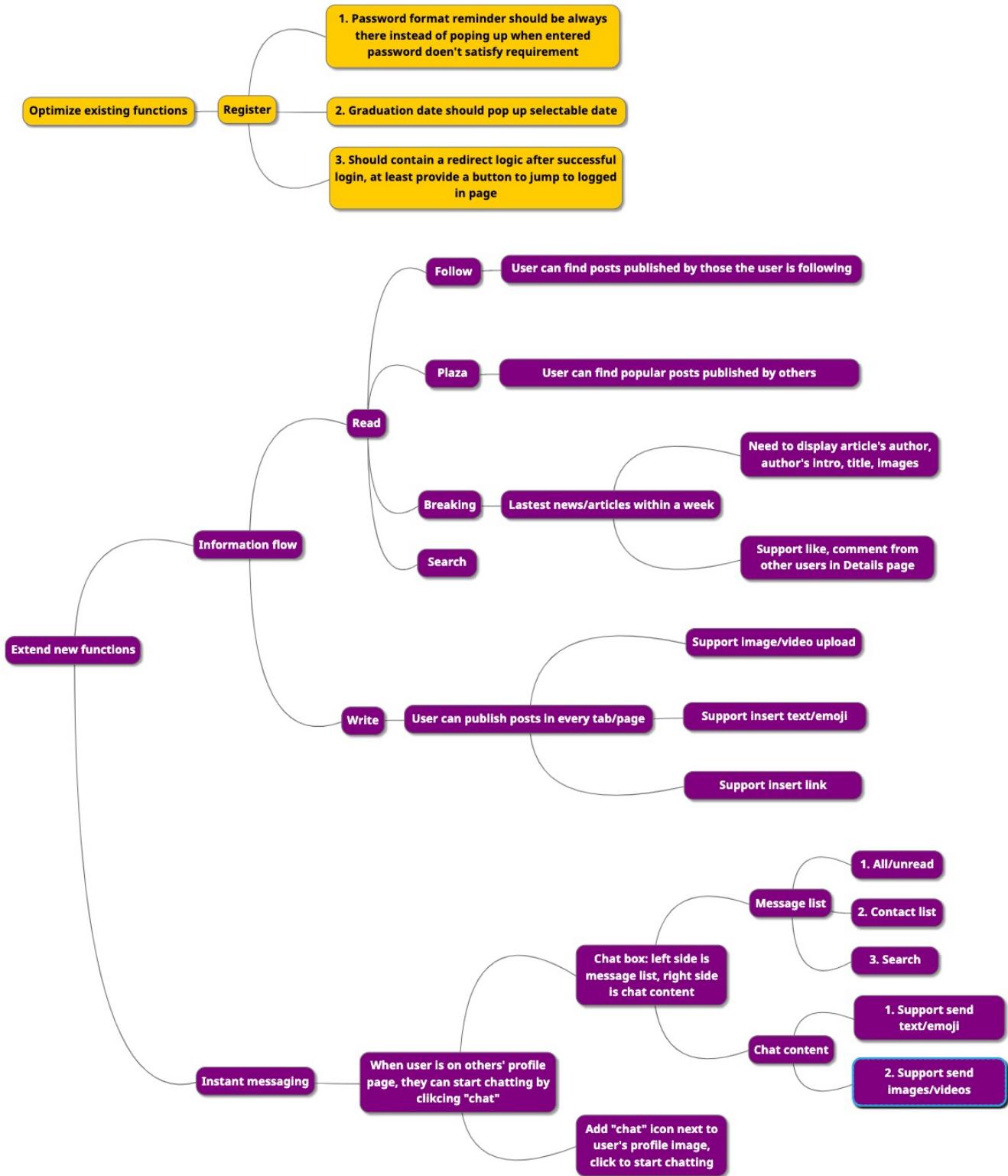


## C. User stories

Requirements	User stories	Priority	Sprint
Information flow – read	As a user, I want to see the recent activities of whose I'm following.		
	As a user/guest, I want to see other's activities in the plaza.		
	As a user/guest, I want to see breaking news/articles from the official.		
	As a user/guest, I hope there's a search box where I can quickly find information I want.		
Information flow – write	As a user, I want to publish new post, like other's posts, commenting, forwarding, etc, in the tab "Follow" (Including but not limited to uploading photos, videos, links)		
	As a user, I want to publish new post, like other's posts, commenting, forwarding, etc, in the tab "Plaza" (Including but not limited to uploading photos, videos, links)		
	As a user, I want to like, comment, share breaking news/articles.		
Instant messaging – read	As a user, I want to receive message sent by others		
	As a user, I want to quickly integrate unread messages		
	As a user, I want to find friends I want to chat with through contact list		
	As a user, I want to search for friends/chats		
Instant messaging – write	As a user, I want to send text/emoji in chat box		
	As a user, I want to send images/videos		
	As a user, I want to create a group chat		

# The above user stories are simply written first, and do not represent the final plan. If we finalize plan, I will refine the requirements in-detail. And I only did the function of the expansion direction and did not optimize the user stories of the existing functions, the follow-up affirmation page should mention it!

#### D. X-mind graph



#### E. Additional comment by other members

Yichao Xu

- We can build a dashboard to integrate all the existing functions, rather than visiting profile after logged in.

- Agree to add “friends”, “plaza”, “user searching” functionalities. In this way, there’re channels to actively find friends. It’s recommended to use “one-way follow” which requires no permission, avoid the need to establish persistent connection with server.
- In addition, the resume function can be optimized. For example, pdf can be automatically generated according to the information registered by the user, instead of requiring the user to upload his own CV.

Wentao Hao

- We can add additional 3<sup>rd</sup> party user authentication to login, such as via Facebook/Google.

## YB - Prototypes

There are 2 different types of our prototypes:

High Fidelity: These pictures are designed based on low fidelity pictures, which is used for the online demo.

Low Fidelity: These pictures are simple and low-tech concepts and they just contain basic functional elements and of our product.

# YB - High Fidelity (UI)

## Sprint 1: Information flow

The screenshot shows the YoungBlood application's Moments section. At the top, there is a navigation bar with links: Profile, Course, Experiences, Projects, Photos, Personal documents, Moments, and Chat. A user icon is also present.

The main area is titled "Moments". Below it, there are three tabs: ALL (selected), MY MOMENTS, and OFFICIAL MOMENTS.

A large input field for creating a new post is labeled "Start a post...". Below the input field are icons for image and emoji, and a "PUBLISH" button.

Two messages are listed:

- official** (May 19, 2021, 13:49:39)  
This is a new official message.  
[Message content]  
[Message content]  
[Message content]
- official** (May 19, 2021, 13:49:37)  
This is a new official message.  
[Message content]

At the bottom right of the second message, there are three circular icons with arrows: green (up), red (down), and blue (refresh).

## Sprint 2: Chat Room

YoungBlood

Profile Course Experiences Projects Photos Personal documents Square Chat

My Chats +

Tencent Just for testing purpose May 24

Member Say hello! ●

Huaweiis Mess1215 May 17

Renaming s May 12

Bug Chat Rahter May 12

Meituan Say hello! ●

Tencent

Hey Tianyi  
Nice to meet you  
Just for testing purpose

People Tianyi Zheng  
Wentao Hao

Type a username

Photos <

Options <

Send a message... □ ▲

## YB - Low Fidelity (UE)

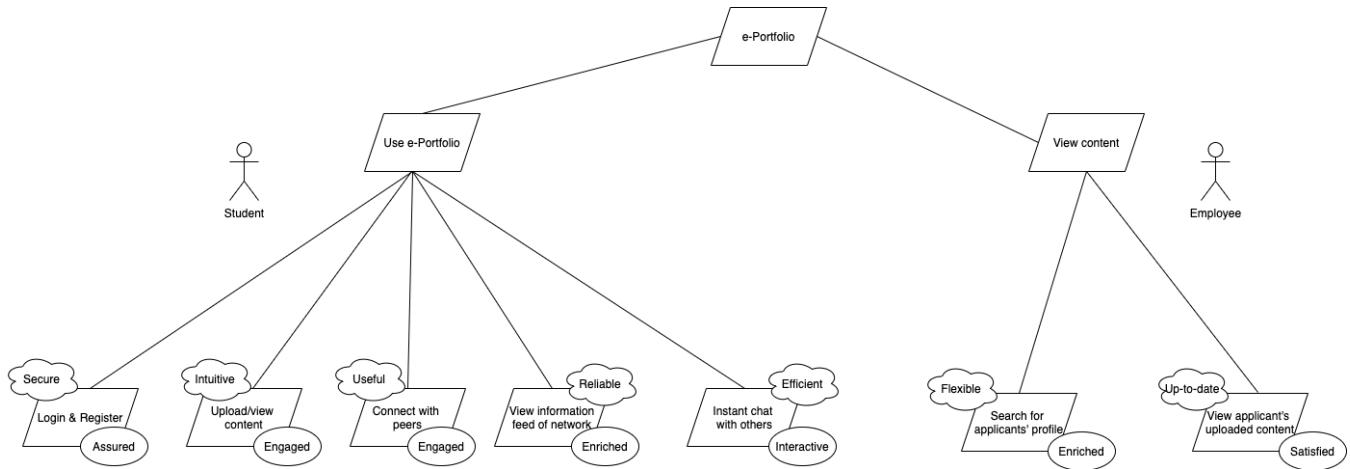
The images of low fidelity are so too many cuz it contains all of the user experience, so we just place a link that contains all of our low fidelity images:

Sprint 1 (From the `user_story_01.png` to `user_story_22.png`): <https://github.com/Alberyang/YoungBlood/tree/master/prototypes/low%20fidelity>

Sprint 2 (From the `user_story_25.png` to `user_story_41.png`): <https://github.com/Alberyang/YoungBlood/tree/master/prototypes/low%20fidelity>

# YB - Motivational Modelling

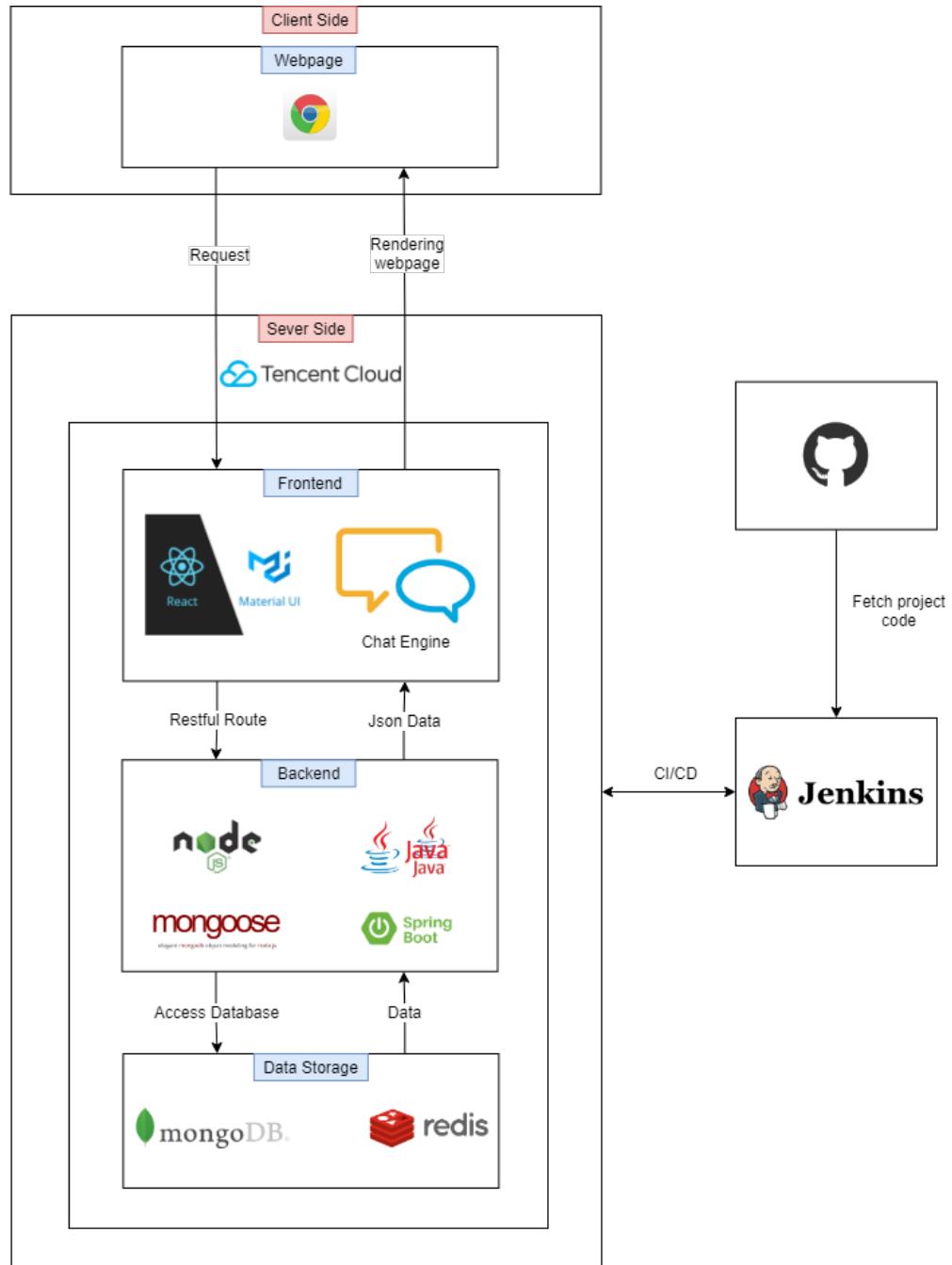
Who	Do	Be	Feel
Student	Login/register	Secure	Assured
	Upload/view content	Intuitive	Engaged
	Connect with peers	Useful	Engaged
	View information feed of network	Reliable	Enriched
	Instant chat with others	Efficient	Interactive
Employer	Search for applicants' profile	Flexible	Enriched
	View applicant's uploaded content	Up-to-date	Impressed



# YB - Architectural Design

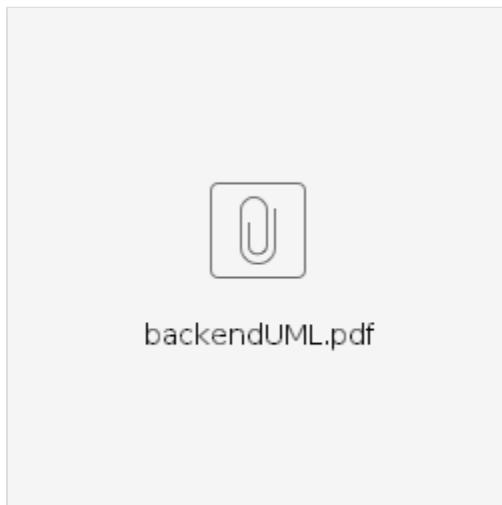
## 1. System architecture diagram

The system mainly consists of the front-end, back-end, and database. The backend mainly uses java and NodeJS to build two services respectively, which provide the most important functions of the whole project. The MongoDB database is used as the persistent storage solution, and Redis is also used as the cache database to meet the high availability requirements. The front-end uses react and material UI frameworks, and the front-end is responsible for displaying the interface and calling the API provided by the back-end, as well as the chat service provided by the third-party service. In addition, the entire project uses git and Jenkins to build CI/CD, automate integration, testing, and deploy the project to the server.

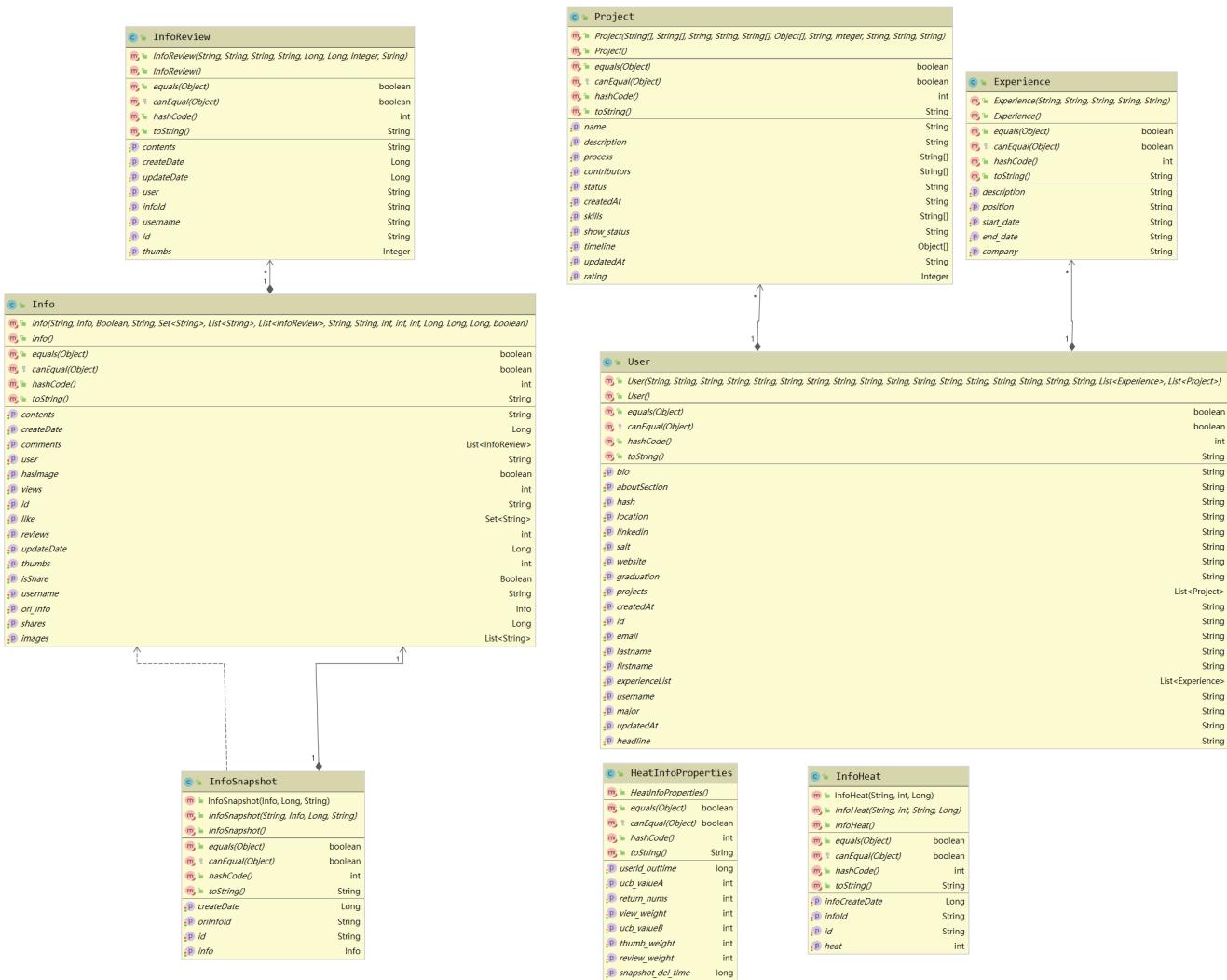


## 2. Class diagram

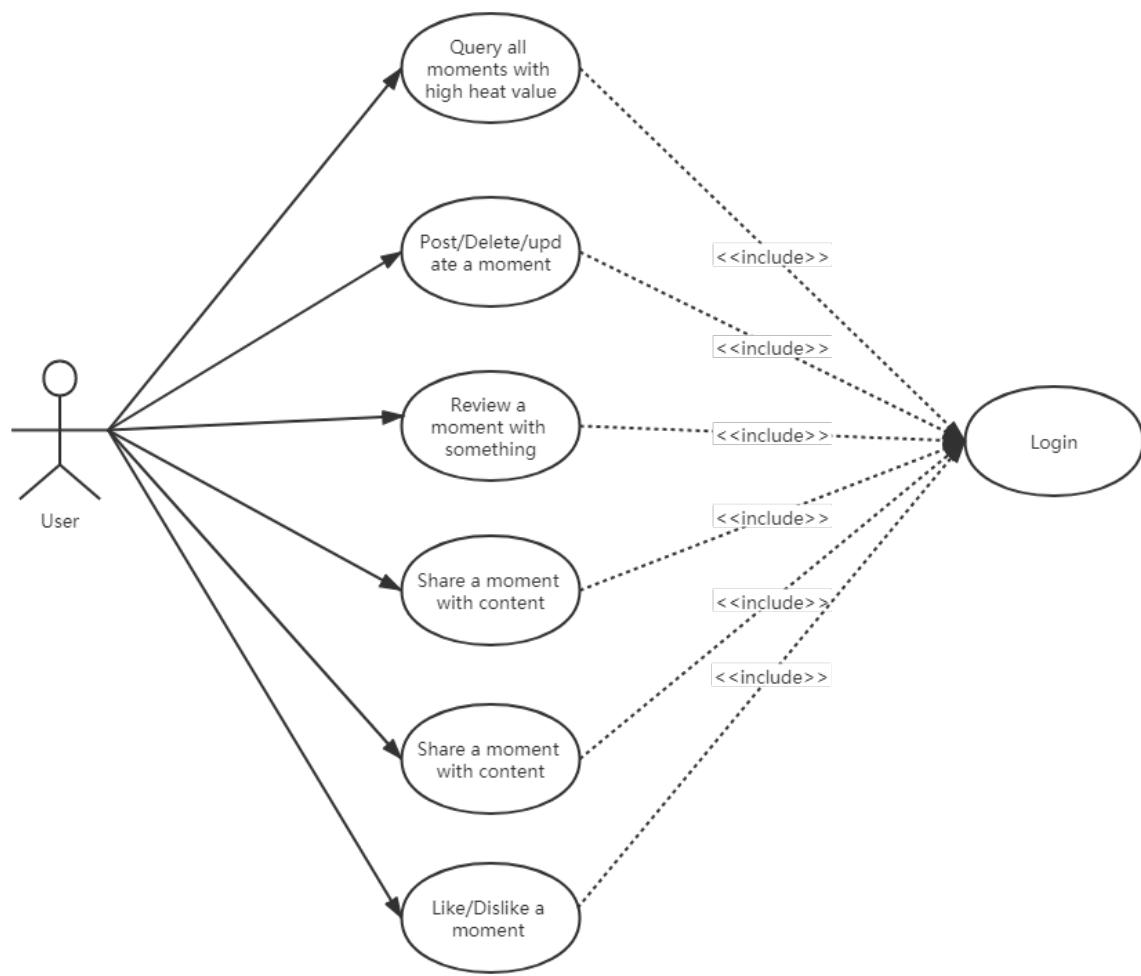
The class diagram of the system is divided into three parts, the first part is the class diagram of the original project, which is attached as the pdf file called "backendUML.pdf", the second part is the class diagram of the extended project, and the third part is the chat function in the extended project, which will be finished in the next sprint.



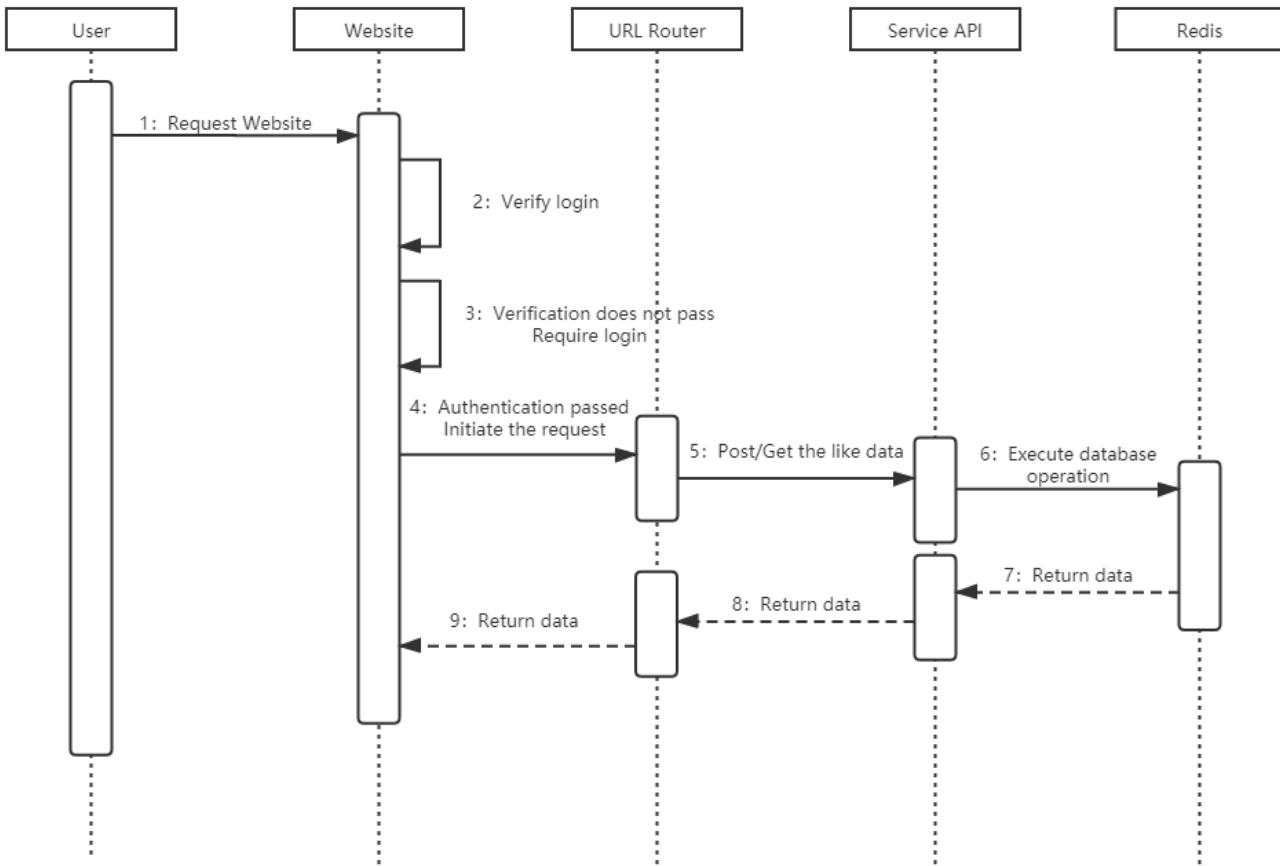
backendUML.pdf



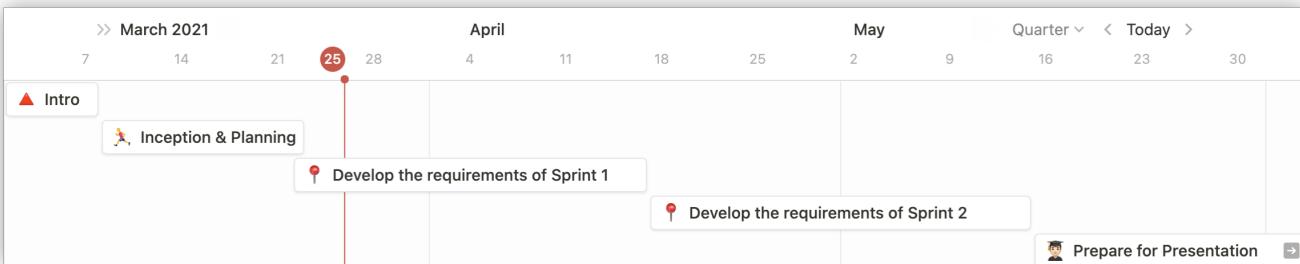
### 3. Use Case Diagram



#### 4. Sequence Diagram



# YB - Timelines



## Prepare work (3.1 to 3.31)

### Week 1

- Forming the YoungBlood Team
- Decide the project

### Week 2

- Confirm which ePortfolios we want to extend
- Confirm the tool we will use for communication (SlackWechatZoom)
- Confirm the tool we will use for tracking taskTrello
- Confirm the tool we will use for documentsGitHubConfluence

### Week 3

- Start Inception
- Confirm what function to extend
- Finish the function documents and User Stories

## Sprint 1 (3.22 to 4.18)

### Week 4

- Finish Inception
- Finish Motivational Modelling
- Start Sprint 1
- Discuss the tasks that team members should complete

### Week 5

- Finish the Architectural Design
- Develop the functions of Sprint 1
- Design corresponding UE and UI

### Week 6

- Develop the functions of Sprint 1

- Design corresponding UE and UI

#### Week 7

- Finish most of the user stories in Sprint 1
- Test the function in Sprint 1 and finish the test report
- prepare for Sprint 2

### Sprint 2 (4.19 to 5.17)

#### Week 8

- Finish Sprint 1
- Finish the test report for Sprint 1
- Finish the review with Leon for Sprint 1
- Start Sprint 2

#### Week 9

- Finish most of the user stories in Sprint 2
- Merge the pages developed in Sprint 1 into Sprint 2

#### Week 10

- Try auto-deploying the project with Jenkins and Docker (CI/CD)
- Finish all the user stories in Sprint 2
- Complete deployment guides

#### Week 11

- Test the function in Sprint 2 and finish the test report
- Complete the CI/CD part

### Week 12 (final week)

- Finish Sprint 2
- Check and update all the required documents
- Prepare for the final presentation

# **YB - Meeting Minutes**

This part mainly records our Meeting Minutes of weekly meetings, Sprint Plannings, Reviews, and Retrospectives:

- [YB - Inception](#)
- [YB - Sprint 1](#)
- [YB - Sprint 2](#)

# YB - Inception

## Meeting Minutes

- Week 3 2021-3-21 Group Meeting
- Week 4 2021-3-25 Group Meeting
- Week 5 2021-3-29 Group Meeting

# Week 3 2021-3-21 Group Meeting

## Agenda

Date & Time: 2021-3-21 2:00 PM

Duration: 1 hour

Location: Zoom

Goals:

1. Deciding on what docs should be prepared at the inception stage.
2. Building our project GitHub repo.
3. Division of the work at the inception stage.

---

## Meeting Minutes

Date & Time: 2021-3-21 2:00 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Initially build our Confluence pages.</li><li>• Build our Slack channels.</li></ul>	<ul style="list-style-type: none"><li>• Build and config our new server.</li><li>• Learn the backend node.js and Mongoose.js code of the extended project.</li></ul>	<ul style="list-style-type: none"><li>• Initially design our project user stories.</li><li>• Initially design our project user case.</li><li>• Initially draw UIs of main pages.</li></ul>	<ul style="list-style-type: none"><li>• Locally build and test the extended project frontend code.</li></ul>	<ul style="list-style-type: none"><li>• Learn the backend node.js and Mongoose.js code of the extended project.</li></ul>
Impediments	<ul style="list-style-type: none"><li>• The pages on Confluence needs to be elaborately designed..</li></ul>	<ul style="list-style-type: none"><li>• Not familiar with node.js and Mongoose, and need to learn them.</li></ul>	<ul style="list-style-type: none"><li>• Project user stories needs to be elaborately designs.</li></ul>	<ul style="list-style-type: none"><li>• Not familiar with React framework, and need to learn it.</li></ul>	<ul style="list-style-type: none"><li>• Not familiar with node.js and Mongoose, and need to learn them.</li></ul>

Items discussed:

Item	Decision
Group Confluence Pages	Respectively building Project Description, Persona, Weekly Meeting with docs, and Architecture Design pages.
GitHub Repo	Building our project GitHub repo and organizing it as the LMS assignment requiring.
Coding at the Inception Stage	Respectively building the server, database, and frontend framework, trying to make the Microhard correctly work locally.

Agreement:

Task	Who is responsible	Deadline
Building corresponding Confluence pages	All members	2021/03/24

Building our GitHub repo	Yuyang Wang	2021/03/22
Building the server and database	Yuyang Wang, Tianyi Zheng and Wentao Hao	2021/03/24
Building the React frontend framework	Yichao Xu	2021/03/24
Designing the architecture of our project	Wenyu Xie	2021/03/24
Optimizing our user stories	Wenyu Xie	2021/03/24

Next meeting:

<b>Location</b>	Zoom
<b>Date &amp; Time</b>	2021-3-25 2:00 PM
<b>Goals</b>	<ul style="list-style-type: none"> <li>1. Testing and updating the whole system we have built at the Inception stage.</li> <li>2. Discussing the work with details in Sprint 1.</li> </ul>

# Week 4 2021-3-25 Group Meeting

## Agenda

Date & Time: 2021-3-25 8:00 PM

Duration: 2 hour

Location: Zoom

Goals:

1. Completing Inception Checklist.
2. Completing project architectural design.
3. Allocating user stories and product backlog on Trello.
4. Completing project timeline.
5. Continuing building the server and database.

---

## Meeting Minutes

Date & Time: 2021-3-25 8:00 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Update UIs of the pages in Sprint One.</li><li>• Arrange meeting with original developers of the extended project.</li></ul>	<ul style="list-style-type: none"><li>• Build our GitHub repo for the project.</li><li>• Initially build the Redis and Sprint Boot for the project.</li></ul>	<ul style="list-style-type: none"><li>• Update new user stories.</li><li>• Prepare docs for Sprint One.</li></ul>	<ul style="list-style-type: none"><li>• Figure out the logics, functions and architecture of the code of the extended project.</li></ul>	<ul style="list-style-type: none"><li>• Continuously learn the backend node.js and Mongoose.js code of the extended project.</li><li>• Initially learn some existing backend GitHub projects about instant message which we will deploy in Sprint Two.</li></ul>
Impediments	<ul style="list-style-type: none"><li>• Hard to contact with the original developers and arrange a meeting with them.</li></ul>	<ul style="list-style-type: none"><li>• The new Redis and Sprint Boot needs to match with the MongoDB collections to extend original functions.</li></ul>			

Items discussed:

Item	Decision
Inception Checklist	According to the Inception rubrics, completing Inception Checklist.
Project Architecture Design	According to the original architecture of Microhard and our new functions, completing our project architecture design (including frontend, server, database designs)
User Stories and Product Backlog	Put our designed requirements into the user stories and product backlog on Trello with details.

Project Timeline	Planning project timeline according to the tasks in each sprint.
Server and Database	<ul style="list-style-type: none"> <li>Continuing building our new server in the same Node.js framework and new database in the same MongoDB framework as Microhard.</li> <li>Adding Java Spring for server and Redis for database to handle our new requirements</li> </ul>

Agreement:

Task	Who is responsible	Deadline
Completing Inception Checklist	All members	2021/3/28
Finishing project architecture design	Tianyi Zheng	2021/3/28
Continuing building the server and database	Yuyang Wang, Tianyi Zheng and Wentao Hao	2021/3/28
Continuing building frontend framework	Yichao Xu	2021/3/28
Allocating user stories and product backlog on Trello	Wentao Hao	2021/3/28
Finshing project timeline	Wenyu Xie	2021/3/28

Next meeting:

<b>Location</b>	Zoom
<b>Date &amp; Time</b>	2021-3-29 8:00 PM
<b>Goals</b>	<ol style="list-style-type: none"> <li>Completing and checking Inception Checklist.</li> <li>Assign tasks to each member in sprint 1.</li> </ol>

# Week 5 2021-3-29 Group Meeting

## Agenda

Date & Time: 2021-3-29 8:00 PM

Duration: 3 hours

Location: Zoom

Goals:

1. Deploy the project on our own server
2. Setup the basic development structure

---

## Meeting Minutes

Date & Time: 2021-3-29 8:00 PM

Location: Zoom

Attendees:

Yuyang Wang

Wenya Xie

Wentao Hao

Tianyi Zheng

Yichao Xu

What have been done:

	Wentao Hao	Yuyang Wang	Wenya Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Allocating user stories and product backlog on Trello.</li></ul>	<ul style="list-style-type: none"><li>• Continuing building our server and database</li></ul>	<ul style="list-style-type: none"><li>• Complete project timeline.</li></ul>	<ul style="list-style-type: none"><li>• Initially build the Moments page.</li></ul>	<ul style="list-style-type: none"><li>• Continuing building our server and database</li></ul>
Impediments		<ul style="list-style-type: none"><li>• The backend part cannot connect to our MongoDB.</li></ul>			<ul style="list-style-type: none"><li>• The backend part cannot connect to our MongoDB.</li></ul>

Items discussed

Item	Outcome
Motivational Modelling	Defined the content of Motivational Modelling
Inception Checklist	Group agreed upon the items included in checklist

Agreement

Task	Who is responsible	Deadline
Connect the backend node.js part to the MongoDB on our new built server	Yuyang Wang and Tianyi Zheng	2021/4/1
Building Moments page and its functions	Yichao Xu	2021/4/1
Tracking docs in Sprint One	Wenya Xie	2021/4/1
Arrange a meeting with the original developers of the extended project	Wentao Hao	2021/4/1

Next meeting:

<b>Location</b>	Zoom
<b>Date &amp; Time</b>	2021-4-1 8:00 PM
<b>Goals</b>	<ol style="list-style-type: none"><li>1. Successfully connect the backend part to MongoDB</li><li>2. Check initial functions of Moments Page</li></ol>

# YB - Sprint 1

## Meeting Minutes

- [Week 5 2021-4-1 Group Meeting](#)
  - [Week 6 2021-4-7 Group Meeting](#)
  - [Week 7 2021-4-12 Group Meeting](#)
- 

## Planning

- [YB - Sprint 1 Planning](#)
- 

## Review & Retrospective

- [YB - Sprint 1 Review](#)
- [YB - Sprint 1 Retrospective](#)

# YB - Sprint 1 Meeting

[\*\*Week 5 2021-4-1 Group Meeting\*\*](#)

[Week 6 2021-4-7 Group Meeting](#)

[Week 7 2021-4-12 Group Meeting](#)

# Week 5 2021-4-1 Group Meeting

## Agenda

Date & Time: 2021-4-1 8:00 PM

Duration: 2 hour

Location: Zoom

Goals:

1. Deciding what questions we will ask at tomorrow's meeting with the authors of Microhard.
2. Viewing the Square page which we have finished and putting forward more requirements to perfect it.
3. Viewing and deciding which instant chatting React framework can be introduced into our project.
4. Trying to solve the MongoDB connection problems.

---

## Meeting Minutes

Date & Time: 2021-4-1 8:00 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Complete Motivational Model.</li><li>• Make preparations for the meeting with original developers.</li></ul>	<ul style="list-style-type: none"><li>• Fix some bugs of our server.</li><li>• Make preparations for the meeting with original developers.</li></ul>	<ul style="list-style-type: none"><li>• Collecting test report template for Sprint One.</li></ul>	<ul style="list-style-type: none"><li>• Complete some functions on the Moments page.</li></ul>	<ul style="list-style-type: none"><li>• Complete Motivational Model.</li><li>• Make preparations for the meeting with original developers.</li></ul>
Impediments		<ul style="list-style-type: none"><li>• Still the backend part cannot connect to the MongoDB on our server.</li></ul>			

Items discussed:

Item	Decision
Moments Page	Continuing on perfecting the functions of the Moments page.
Chatting Page	Selecting a great instant chatting React framework and applying it on our Chatting page.
MongoDB Bugs	Having a meeting with the authors of Microhard and solving the MongoDB connection problems
New Requirements	Putting forward new requirements (including backend and frontend) based on the Moments page we have built.

Agreement:

Task	Who is responsible	Deadline
Having a meeting with the authors of Microhard	All members	2021/4/2
Perfecting the functions on the Moments page	Wentao Hao and Yichao Xu	2021/4/6

Initially building the Chatting page	Wentao Hao and Yichao Xu	2021/4/6
Solving the MongoDB connection problems	Yuyang Wang and Tianyi Zheng	2021/4/6
Building our server's response framework	Yuyang Wang and Tianyi Zheng	2021/4/6
Putting forward new requirements and designing new UI for our pages	Wenyu Xie	2021/4/6

Next meeting:

<b>Location</b>	Zoom
<b>Date &amp; Time</b>	2021-4-7 9:30 PM
<b>Goals</b>	<ul style="list-style-type: none"> <li>1. Completing most parts of the Moments page.</li> <li>2. Initially building our instant chatting framework on the web.</li> <li>3. Successfully connecting to our MongoDB.</li> <li>4. Successfully building our server's response framework.</li> </ul>

# Week 6 2021-4-7 Group Meeting

## Agenda

Date & Time: 2021-4-7 9:30 PM

Duration: 1.5 hour

Location: Zoom

Goals:

1. Deciding what new functions should be added to perfect the Square page.
2. Solving bugs on the Chat page.
3. Deciding the backend deployments and algorithm of calculating moments' popularity.
4. Figuring out ways to incorporate original APIs including newly built ones into our Redis framework.

---

## Meeting Minutes

Date & Time: 2021-4-7 9:30 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Have a meeting with original developers and successfully solve the MongoDB connection problems.</li><li>• Make preparations for the meeting with original developers.</li></ul>	<ul style="list-style-type: none"><li>• Have a meeting with original developers and successfully solve the MongoDB connection problems.</li></ul>	<ul style="list-style-type: none"><li>• Track and record bugs and completed functions with Yichao Xu and Yuyang Wang in Sprint One.</li></ul>	<ul style="list-style-type: none"><li>• Add more functions on the Moments page.</li></ul>	<ul style="list-style-type: none"><li>• Have a meeting with original developers and successfully solve the MongoDB connection problems.</li></ul>
Impediments				<ul style="list-style-type: none"><li>• Cannot fix react-grid-gallery warnings.</li><li>• Slow response in loading pictures from our MongoDB.</li></ul>	

Items discussed:

Item	Decision
Moments Page	<p>Adding new functions to the Moments page including:</p> <ol style="list-style-type: none"><li>1. updating different moments when the user scrolls up and down.</li><li>2. adding share functions.</li><li>3. making Tabs for switching on different moment pages.</li></ol>
Chatting	Solving bugs occurring when we building the database instant chatting APIs and updating the corresponding chatSchema.

Page	
Redis and APIs	Incorporating the original APIs including the ones we recently built on the Moments page into our Redis APIs to produce new unified APIs.
Documents	Preparing the corresponding documents for Sprint One including High-Level Architecture Design, Test Report, Sprint One Retrospective, and Sprint One Review.

Agreement:

Task	Who is responsible	Deadline
Further perfecting the functions on the Moments page	Yichao Xu	2021/4/11
Building the Chat page and fixing the corresponding APIs	Wentao Hao	2021/4/11
Building the server response and database APIs for the Chat page	Tianyi Zheng	2021/4/11
Incorporating the original APIs and producing new Redis APIs	Yuyang Wang	2021/4/11
Preparing the corresponding documents of Sprint One	Wenya Xie	2021/4/11

Next meeting:

Location	Zoom
Date & Time	2021-4-12 7:00 PM
Goals	<ol style="list-style-type: none"> <li>1. Completing the Moments page.</li> <li>2. Building our instant chatting framework on the web.</li> <li>3. Finishing all the tasks in Sprint One.</li> <li>4. Finishing the Sprint One Test Report, Retrospective, and Review.</li> </ol>

# Week 7 2021-4-12 Group Meeting

## Agenda

Date & Time: 2021-4-12 7:00 PM

Duration: 1.5 hour

Location: Zoom

Goals:

1. Designing our test plan for Sprint One.
2. Solving bugs on the Chat page.
3. Designing the way of refreshing moments on the Moments page.

---

## Meeting Minutes

Date & Time: 2021-4-12 7:00 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Initially build the Chat page.</li></ul>	<ul style="list-style-type: none"><li>• Develop APIs for the Moments page and use Tencent Cloud to store and retrieve photos.</li></ul>	<ul style="list-style-type: none"><li>• Track and record bugs and completed functions with Yichao Xu and Yuyang Wang in Sprint One.</li></ul>	<ul style="list-style-type: none"><li>• Add more functions on the Moments page.</li><li>• Convert original APIs of Moments page to new APIs built by yuyang Wang.</li></ul>	<ul style="list-style-type: none"><li>• Initially build the backend engine of the Chat page.</li></ul>
Impediments	<ul style="list-style-type: none"><li>• Have trouble in connecting to our MongoDB.</li></ul>			<ul style="list-style-type: none"><li>• Need to reconstruct frontend code to match new APIs.</li></ul>	

Items discussed:

Item	Decision
Moments Page	<ul style="list-style-type: none"><li>• Split comments into several pages if there are many comments.</li><li>• Build the moments forward function.</li><li>• Complete all the frontend tasks of Sprint One</li></ul>
Chatting Page	Solving the bugs of connecting the Chat page to our MongoDB server.
Sprint One Test	Complete test for Sprint One.
Sprint One Review and Retrospective	Complete Sprint One Review and Retrospective.

Agreement:

---

<b>Task</b>	<b>Who is responsible</b>	<b>Deadline</b>
Complete Sprint One Review and Retrospective	All members	2021/4/22
Complete test for Sprint One	Wenyu Xie, Yichao Xu and Yuyang Wang	2021/4/22
Design new UIs for moments forward function on the Moments page	Wenyu Xie	2021/4/22
Building the moments forward function on the Moments page	Yichao Xu	2021/4/22
Keeping updating new APIs for the Moments page	Yuyang Wang	2021/4/22
Solving the bugs of the Chat page	Wenyu Xie and Tianyi Zheng	2021/4/22

Next meeting:

<b>Location</b>	Zoom
<b>Date &amp; Time</b>	2021-4-23 1:00 PM
<b>Goals</b>	<ul style="list-style-type: none"> <li>1. Finishing all the tasks in Sprint One.</li> <li>2. Finishing the Sprint One Test Report, Retrospective, and Review.</li> <li>3. Building most part of the Chat page.</li> </ul>

# YB - Sprint 1 Planning

## Sprint planning checklist

Keep track of tasks you need to complete before, during, and after your sprint planning meeting. Follow up by updating and adding Jira tickets to your template.

Preparation	Meeting	Follow up
Organize the backlog and close the last sprint	Present velocity and confirm team capacity; Determine what can be expected	Ensure each backlog is completed on time and as demanded

## Sprint team members

Name	Role
Yuyang Wang	Backend Developer
Tianyi Zheng	Backend Developer
Wentao Hao	Backend Developer
Yichao Xu	Frontend Developer
Wenyu Xie	Scrum Master

## Sprint planning meeting items

### Agenda

1. Close previous sprint
2. Organze the backlog

### Previous sprint summary

Sprint theme	NA
Story points	NA
Summary	NA

### Details

Start date	2021.3.22
End date	2021.4.9
Sprint theme	Basic functionalities

### Capacity planning

	Current sprint	Previous sprint
Total days	21	NA
Team capacity	80%	NA
Projected capacity	50 points	NA

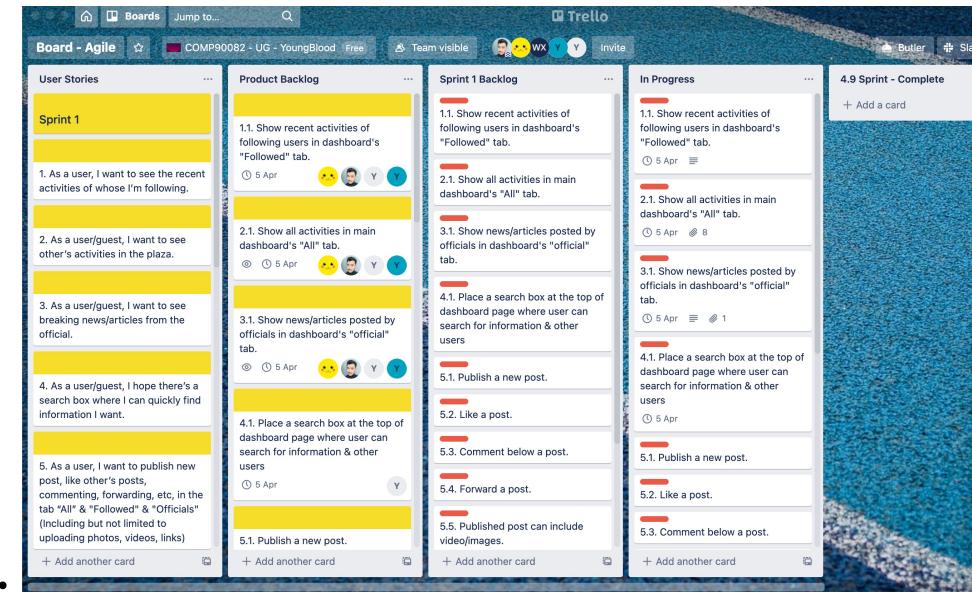
Individual capacity	10 points	NA
---------------------	-----------	----

## Potential risks

Risk	Mitigation
Some members might have more workload and cannot put as much effort as other members	Assign the member low priority tasks
Project might not deploy successfully on team's own server	Contact original author to ask for advices

## Sprint planning resources

### Sprint boards and retrospectives



## Team resources and definitions

- Github: <https://github.com/Alberyang/YoungBlood>
- Slack: [comp90082-ug-yb.slack.com](https://comp90082-ug-yb.slack.com)

# YB - Sprint 1 Retrospective

## Details

Date	2021-4-9
Team	YoungBlood
Participants	Yuyang Wang, Wentao Hao, Yichao Xu, Wenyu Xie, Tianyi Zheng

## Background

The team has successfully completed Sprint 1 on time, all the bugs have been resolved and all the sprint backlog items have been done. The team is planning to move towards the process of Sprint 2, but before that, it's important to have a discussion of what went well and unwell in Sprint 1 and what can be improved in Sprint 2.

## Retrospective

Start doing	Stop doing	Keep doing
Review sprint backlog items for Sprint 2	Taking all tasks solely	Share progress in daily standups
Setup development environment for Sprint 2 system functions	Being too confident in our estimates	Maintain GitHub repository code structure
Improve website reload speed	Changing user stories halfway through the sprint	Communicate effectively on Slack and WeChat
Prepare Sprint 2 planning meeting agenda	Letting daily standups become too long	Track progress on Trello

## Action items

- Split the task more evenly among the team
- Come up with warm-up activities among the team to increase intimacy among the team
- Developers need to engage more with product manager
- Ensure Sprint 2 development's smoothness and effectiveness
- Work more closely during development

# YB - Sprint 1 Review

## Summary

In this review report, we will first discuss internally, and then communicate with non-developers about our products, and ask them about the advantages and disadvantages of our products.

When it comes to the **Retrospective**, we reach an agreement about what we have done well and what should we fix in Sprint 2

As for the review with non-developers, we will take some users' suggestions and appropriately select the ideas or repair problems that we also think need to be done.

## Details

Date	2021-4-21
Team	YoungBlood
Participants	Yuyang Wang, Wentao Hao, Yichao Xu, Wenyu Xie, Tianyi Zheng

## Background

The team has successfully completed Sprint 1 on time, all the bugs have been resolved and all the sprint backlog items have been done.

Before moving towards Sprint 2, we must have a review of our whole Sprint 1 work.

In this review report, we will first discuss internally, and then communicate with non-developers about our products, and ask them about the advantages and disadvantages of our products.

## Retrospective

#Internally discussion

#More information is explained clearer in our Retrospective Report [click](#) Sprint One Retrospective

## Review

#Discussion with Leon

	Suggestions
Leon	Improve Motivational Modelling
	Prepare Pressure Test
	Restructure Confluence Page
	CI/CD pipeline construction

#Discussion with non-developers

	Advantages	Disadvantages
Client A	Complete basic functions	Add more features, such as favorite twit functions
	Nice UI design	The UI design of the profile is a bit redundant
	The interaction logic is generally ok	But there are still some minor problems, for example, If I look at the information flow page for a long time and want to go back to the top, I have to refresh the page
Client B	Good job for developing the information flow	I want to be able to add a visitor record, I can see who is visiting my homepage
Client C	All good, If there is such a product online, I believe I will use it.	Some interactive logic designs are more complicated and hope to be lighter

Client D	Nice UI design and UE The use of the function is not complicated, easy to learn, and easy to operate	Can the product support uploading multiple resumes, because sometimes, I cannot use my student resume to apply for a job, I have to create a work resume
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## Action items

### From the Retrospective

- Split the task more evenly among the team
- Come up with warm-up activities among the team to increase intimacy among the team
- Developers need to engage more with the product manager
- Ensure Sprint 2 development's smoothness and effectiveness
- Work more closely during development

### From the Review

- Improve Motivational Modelling
- Prepare Pressure Test
- CI/CD pipeline construction
- Restructure Confluence Page
- Optimize some user experiences of the function in Sprint 1
- Appropriately listen to the opinions of clients, we can add some new features if we have time to prepare for sprint 3

# **YB - Sprint 2**

## Meeting Minutes

- [Week 8 2021-4-23 Group Meeting](#)
  - [Week 9 2021-4-28 Group Meeting](#)
  - [Week 10 2021-5-3 Group Meeting](#)
  - [Week 11 2021-5-11 Group Meeting](#)
- 

## Planning

- [YB - Sprint 2 Planning](#)
- 

## Review & Retrospective

- [YB - Sprint 2 Review](#)
- [YB - Sprint 2 Retrospective](#)

# **YB - Sprint 2 Meeting**

[Week 8 2021-4-23 Group Meeting](#)

[Week 9 2021-4-28 Group Meeting](#)

[Week 10 2021-5-3 Group Meeting](#)

[Week 11 2021-5-11 Group Meeting](#)

[Week 12 2021-5-20 Group Meeting](#)

# Week 8 2021-4-23 Group Meeting

## Agenda

Date & Time: 2021-4-23 1:00 PM

Duration: 1 hour

Location: Zoom

Goals:

1. Discussing what documents of Sprint One shall be modified on Confluence.
2. Make plans for Sprint Two.
3. Update new user stories for Sprint Two.

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## Meeting Minutes

Date & Time: 2021-4-23 1:00 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Successfully build the Chat page.</li></ul>	<ul style="list-style-type: none"><li>• Build new APIs for moments forward functions.</li><li>• Take the test of Sprint One.</li><li>• Complete all the backend tasks in Sprint One.</li></ul>	<ul style="list-style-type: none"><li>• Take the test of Sprint One.</li><li>• Complete Sprint One Review and Retrospective.</li></ul>	<ul style="list-style-type: none"><li>• Build moments forward functions.</li><li>• Take the test of Sprint One.</li><li>• Complete all the frontend tasks in Sprint One.</li></ul>	<ul style="list-style-type: none"><li>• Successfully build the Chat page.</li></ul>
Impediments	<ul style="list-style-type: none"><li>• The Chat engine now uses external APIs and has 25 people's limit.</li></ul>			<ul style="list-style-type: none"><li>• Some warnings of the original code cannot be fixed.</li></ul>	<ul style="list-style-type: none"><li>• The Chat engine now uses external APIs and has 25 people's limit.</li></ul>

Items discussed:

Item	Decision
Confluence Docs	<ul style="list-style-type: none"><li>• Adjust Motivational Modelling graph</li><li>• Upload UE and UI graphs</li><li>• Reorder some docs on Confluence</li></ul>
Sprint Two Plan	Initially make plans for Sprint Two
User Stories	Update new user stories for Sprint Two
Test Report	Adjust the test report of Sprint One
CI/CD	Learn Jenkins to deploy CI/CD of our project.

Agreement:

Task	Who is responsible	Deadline
<ul style="list-style-type: none"><li>• Upload UE and UI graphs</li><li>• Update new user stories for Sprint Two</li><li>• Adjust the test report of Sprint One</li></ul>	Wenyu Xie	2021/4/27
Initially make plans for Sprint Two	Wentao Hao	2021/4/27
Combine the Moments page with the Chat page	Wentao Hao and Yichao Xu	2021/4/27
Learn Jenkins to deploy CI/CD of our project	Yuyang Wang and Tianyi Zheng	2021/4/27
Adjust Motivational Modelling graph	Tianyi Zheng	2021/4/27

Next meeting:

<b>Location</b>	Zoom
<b>Date &amp; Time</b>	2021-4-28 8:00 PM
<b>Goals</b>	<ol style="list-style-type: none"><li>1. Combining the Moments page with the Chat page.</li><li>2. Finishing modifying all docs of Spring One on Confluence</li><li>3. Mastering the way to use Jenkins to do auto-deployment.</li></ol>

# Week 9 2021-4-28 Group Meeting

## Agenda

Date & Time: 2021-4-28 8:00 PM

Duration: 2 hour

Location: Zoom

Goals:

1. Discussing the deployment of CI/CD.
2. Reviewing the newly updated docs on Confluence.
3. Completing Sprint One checklist.

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## Meeting Minutes

Date & Time: 2021-4-28 8:00 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Successfully Combine the Moments page with the Chat page.</li></ul>	<ul style="list-style-type: none"><li>• Learn something about Jenkins.</li><li>• Updated our High-Level Architecture Design.</li></ul>	<ul style="list-style-type: none"><li>• Upload UE and UI graphs on Confluence</li><li>• Update new user stories for Sprint Two</li><li>• Adjust the test report of Sprint One</li></ul>	<ul style="list-style-type: none"><li>• Successfully Combine the Moments page with the Chat page.</li></ul>	<ul style="list-style-type: none"><li>• Learn something about Jenkins.</li></ul>
Impediments			<ul style="list-style-type: none"><li>• Not sure about how to design for stress test.</li></ul>		

Items discussed:

Item	Decision
CI/CD	Using Jenkins to wrap and deploy our whole code. And using docker to deploy our frontend code if necessary
Sprint One Checklist	Finishing Sprint One checklist.
User Stories	Updating our user stories in Sprint One on Confluence based on the current status of our project.
Prototypes	Updating our web prototypes in Sprint One on Confluence.
High-Level Architecture Design	Updating our High-Level Architecture Design on Confluence based on the newly built Chat page.
UML Diagram	Adding our Project UML Diagram including newly built backend part (Spring Boot and Redis) on Confluence.
Deployment Guides	Adding our Project Deployment Guides on Confluence.

Agreement:

Task	Who is responsible	Deadline
Completing Sprint One checklist	All members	2021/4/29
Using Jenkins to auto-deploy our whole project.	Tianyi Zheng and Yuyang Wang	2021/5/2
Updating user stories and prototypes on Confluence.	Wenyu Xie	2021/5/2
Updating High-Level Architecture Design on Confluence.	Yuyang Wang	2021/5/2
Adding deployment guides and backend UML diagram on Confluence.	Yuyang Wang	2021/5/2
Completing Chat engine UML if necessary.	Wentao Hao	2021/5/2
Fixing bugs in Moments and Chat page.	Wentao Hao and Yichao Xu	2021/5/2

Next meeting:

<b>Location</b>	Zoom
<b>Date &amp; Time</b>	2021-5-3 5:00 PM
<b>Goals</b>	<ol style="list-style-type: none"><li>1. Reviewing our project docs on Confluence and GitHub</li><li>2. Building our CI/CD system.</li><li>3. Deploying our whole project on our Tencent Cloud server.</li></ol>

# Week 10 2021-5-3 Group Meeting

## Agenda

Date & Time: 2021-5-3 8:00 PM

Duration: 2 hour

Location: Zoom

Goals:

1. Using Jenkins and Docker to auto-deploy our project on the server.
2. Checking our current progress.

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## Meeting Minutes

Date & Time: 2021-5-3 8:00 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Update Sprint Two Plan.</li><li>• Complete deployment guides of the Chat page part.</li></ul>	<ul style="list-style-type: none"><li>• Complet backend UML diagram on Confluence.</li><li>• Complete deployment guides of the whole project.</li><li>• Complete the explanation of APIs used in Sprint One.</li><li>• Use Jenkins and Docker to deploy our project on our servers.</li></ul>	<ul style="list-style-type: none"><li>• Update user stories and prototypes on Confluence.</li><li>• Update High-Level Architecture Design on Confluence.</li></ul>	<ul style="list-style-type: none"><li>• Complete Sprint One Branches and Changelog.</li><li>• Assist in project deployment.</li></ul>	<ul style="list-style-type: none"><li>• Use Jenkins and Docker to deploy our project on our servers.</li></ul>
Impediments		<ul style="list-style-type: none"><li>• Run out of RAM when deploying.</li></ul>			<ul style="list-style-type: none"><li>• Run out of RAM when deploying.</li></ul>

Items discussed:

Item	Decision
Deployment	Try to fix the bug of running out of RAM when deploying the project.
Explanation of APIs	Complete the explanation of APIs used in Sprint Two.
Sprint Two Test	Complete part of Sprint Two tests.
Confluence	Update some docs on Confluence.

Agreement:

Task	Who is responsible	Deadline
Try to fix the bug of running out of RAM when deploying the frontend code.	Yuyang Wang and Tianyi Zheng	2021/5/10

Adding Jenkins deployment part into existing deployment guide and the test report.	Yuyang Wang and Tianyi Zheng	2021/5/10
Complete the explanation of APIs used in Sprint Two.	Wentao Hao	2021/5/10
Complete part of Sprint Two tests.	Wentao Hao and Tianyi Zheng	2021/5/10
Track the Sprint Two tests and complete part of the test report.	Wenyu Xie	2021/5/10
Make up and reorder the Meeting Minutes on Confluence	Yichao Xu	2021/5/10

Next meeting:

<b>Location</b>	Zoom
<b>Date &amp; Time</b>	2021-5-11 8:00 PM
<b>Goals</b>	<ul style="list-style-type: none"> <li>1. Fixing RAM bugs occurring when deploying the frontend code.</li> <li>2. Complete the frontend part of Sprint Two tests.</li> <li>3. Updating some required docs for Sprint Two.</li> </ul>

# Week 11 2021-5-11 Group Meeting

## Agenda

Date & Time: 2021-5-11 8:00 PM

Duration: 2 hour

Location: Zoom

Goals:

1. Checking what documents should be updated in Sprint Two.
2. Completing part of the tests in Sprint Two.
3. Trying to fix bugs occurring in the Jenkins deployment.

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## Meeting Minutes

Date & Time: 2021-5-11 8:00 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Complete the explanation of APIs used in Sprint Two.</li><li>• Complete part of the test plan in Sprint Two.</li><li>• Complete Sprint Two User Acceptance Tests with invited users.</li></ul>	<ul style="list-style-type: none"><li>• Add Jenkins deployment part into the existing deployment guide and the test report.</li><li>• Successfully deploy the whole project on our servers with Jenkins and Docker.</li></ul>	<ul style="list-style-type: none"><li>• Assist in completing the test plan in Sprint Two.</li><li>• Complete Sprint Two User Acceptance Tests with invited users.</li></ul>	<ul style="list-style-type: none"><li>• Make up and reorder the Meeting Minutes on Confluence.</li></ul>	<ul style="list-style-type: none"><li>• Add Jenkins deployment part into the existing deployment guide and the test report.</li><li>• Successfully deploy the whole project on our servers with Jenkins and Docker.</li></ul>
Impediments		<ul style="list-style-type: none"><li>• Still some problems about the performance of the servers.</li></ul>			<ul style="list-style-type: none"><li>• Still some problems about the performance of the servers.</li></ul>

Items discussed:

Item	Decision
Server	Try to improve the performance of the servers.
Sprint One Tests	Make up the User Acceptance Test for Sprint One.
Sprint Two Tests	Complete all the tests in Sprint Two.
Stress Tests	Complete all the stress tests for Sprint One and Two.
Sprint Two Review and Retrospective	Complete Sprint Two Review and Retrospective.
Documents' Updates	Update all the required documents of the whole project.

Agreement:

Task	Who is responsible	Deadline
Complete Sprint Two Review and Retrospective.	All members	2021/5/20
Update all the required documents of the whole project.	All members	2021/5/20
Make up the User Acceptance Test for Sprint One.	Yuyang Wang, Yichao Xu and Wenyu Xie	
Complete all the tests in Sprint Two	Yuyang Wang, Wentao Hao, and Tianyi Zheng	2021/5/20
Try to improve the performance of the servers	Yuyang Wang and Tianyi Zheng	2021/5/20
Complete all the stress tests for Sprint One and Two.	Yuyang Wang and Tianyi Zheng	2021/5/20

Next meeting:

Location	Zoom
Date & Time	2021-5-20 8:00 PM
Goals	<ol style="list-style-type: none"><li>1. Completing Sprint Two Review and Retrospective.</li><li>2. Completing all the tests in Sprint One and Two.</li><li>3. Trying to update all the required documents of the whole project.</li><li>4. Trying to improve the performance of the servers.</li></ol>

# Week 12 2021-5-20 Group Meeting

## Agenda

Date & Time: 2021-5-20 8:00 PM

Duration: 2 hour

Location: Zoom

Goals:

1. Checking what documents should be updated before the second supervisor meeting.
2. Checking stress tests of the functions in Sprint One and Two.

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## Meeting Minutes

Date & Time: 2021-5-20 8:00 PM

Location: Zoom

Attendees: Wentao Hao, Yuyang Wang, Wenyu Xie, Yichao Xu, and Tianyi Zheng

Apologies: None

What have been done:

	Wentao Hao	Yuyang Wang	Wenyu Xie	Yichao Xu	Tianyi Zheng
What did I do	<ul style="list-style-type: none"><li>• Complete the stress tests of the functions in Sprint Two.</li></ul>	<ul style="list-style-type: none"><li>• Assist in completing the stress tests of the functions in Sprint One.</li></ul>	<ul style="list-style-type: none"><li>• Update low fidelity UIs of Sprint One and Two.</li></ul>	<ul style="list-style-type: none"><li>• Make up the User Acceptance Test of Sprint One.</li></ul>	<ul style="list-style-type: none"><li>• Complete the stress tests of the functions in Sprint One.</li></ul>
Impediments		<ul style="list-style-type: none"><li>• A bug about the heat algorithm when handling amounts of requests flooding into the server in a short time occurs.</li></ul>			<ul style="list-style-type: none"><li>• A bug about the heat algorithm when handling amounts of requests flooding into the server in a short time occurs.</li></ul>

Items discussed:

Item	Decision
Sprint Two Checklist	Complete the Sprint Two Checklist.
Docs on Confluence	Update the corresponding documents which were required to be modified and put forward by Leon in the supervisor meeting.
Sprint Two Review & Retrospective	Complete Sprint Two Review & Retrospective.
Final Presentation	Make the slides and prepare for the final presentation.

Agreement:

Task	Who is responsible	Deadline
Complete the Sprint Two Checklist	All members	2021/5/27

Update the corresponding documents on Confluence	All members	2021/5/27
Complete Sprint Two Review & Retrospective	All members	2021/5/27
Make the slides and prepare for the final presentation	All members	2021/5/27

Next meeting:

<b>Location</b>	Zoom
<b>Date &amp; Time</b>	2021-5-27 8:00 PM
<b>Goals</b>	<ol style="list-style-type: none"><li>1. Checking all the required documents.</li><li>2. Making a rehearsal of the final presentation.</li></ol>

# YB - Sprint 2 Planning

## Sprint planning checklist

Preparation	Meeting	Follow up
Organize the backlog and close the last sprint	Present velocity and confirm team capacity; Determine what can be expected	Ensure each backlog is completed on time and as demanded

## Sprint team members

Name	Role
Yuyang Wang	Backend Developer
Tianyi Zheng	Backend Developer
Wentao Hao	Backend Developer
Yichao Xu	Frontend Developer
Wenyu Xie	Scrum Master

## Sprint planning meeting items

### Agenda

1. Close previous sprint
2. Organize the backlog

### Previous sprint summary

Sprint theme	NA
Story points	NA
Summary	NA

### Details

Start date	2021.4.12
End date	2021.4.30
Sprint theme	Instant Messaging

## Capacity planning

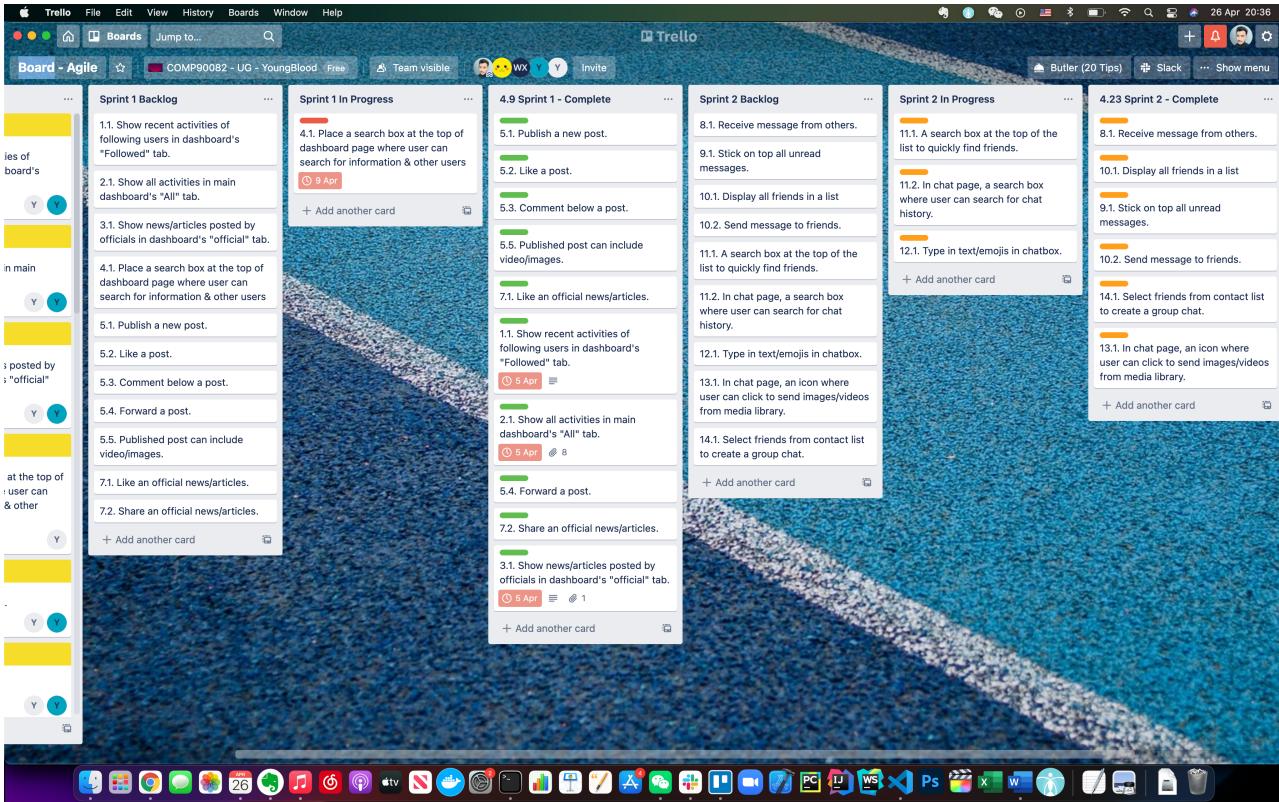
	Current sprint	Previous sprint
Total days	21	21
Team capacity	90%	80%
Projected capacity	50 points	50 points
Individual capacity	10 points	10 points

## Potential risks

Risk	Mitigation
Some members might have more workload and cannot put as much effort as other members	Assign the member low priority tasks

## Sprint planning resources

### Sprint boards and retrospectives



## Team resources and definitions

- Github: <https://github.com/Alberyang/YoungBlood>
- Slack: [comp90082-ug-yb.slack.com](https://comp90082-ug-yb.slack.com)

# YB - Sprint 2 Retrospective

## Meeting Details

Date	2021-5-20
Team	YoungBlood
Participants	Yuyang Wang, Wentao Hao, Yichao Xu, Wenyu Xie, Tianyi Zheng

## Meeting Background

# The team has successfully completed Sprint 2 in advance, all the bugs have been resolved and all the sprint backlog items have been done. it is significant to have a discussion of what went well and unwell in Sprint 2 and what can be improved in the future.

## Retrospect

# First, we retrospected the completion of our Sprint 2 work.

What did we finish in Sprint 2	What did we not finish in Sprint 2
<ul style="list-style-type: none"><li>We have a total of 20 user stories in Sprint 2, and we have completed 16 of them with a completion rate of 80%.</li><li>Low fidelity prototypes of Sprint 2</li></ul>	<p># Then, we retrospected what we should keep doing and what we should improve (to-do list)</p> <ul style="list-style-type: none"><li>There are 4 user stories that have not been completed, but the priority of these 4 user stories is low. If there is enough time, we will consider completing it, which is what we reached an agreement in the planning stage.</li></ul>
<p><b>Keep doing</b></p> <ul style="list-style-type: none"><li>Test reports of Sprint 2</li><li>Deployment of the whole project</li><li>Work closely during development</li><li>Communication with each other</li><li>Post questions in time</li><li>Willing to listen patiently to other people's ideas</li><li>Make meeting minutes for every meeting</li><li>Skilled use of various technical tools</li><li>Before each meeting, plan the content of the meeting in advance</li></ul>	<p><b>To-do list</b></p> <ul style="list-style-type: none"><li>When there are many other assignments, the ability of time management needs to be improved.</li><li>Communication skills, which can make meetings more efficient</li><li>Take the initiative to take on some work</li><li>Come up with warm-up activities among the team to increase intimacy among the team</li></ul>

# YB - Sprint 2 Review

## Summary

In this review report, we will first discuss internally, and then communicate with Leon about our works, and ask his suggestions.

When it comes to the **Retrospective**, we reach an agreement about what we have done well and what should we improve in the future

As for the review with Leon, we will take his suggestions and guidance

## Details

Date	2021-5-20
Team	YoungBlood
Participants	Yuyang Wang, Wentao Hao, Yichao Xu, Wenyu Xie, Tianyi Zheng

## Background

The team has successfully completed Sprint 2 in advance, all the bugs have been resolved and all the sprint backlog items have been done.

In this **Review** report, we will first discuss internally, and then communicate with Leon about our works, and ask his suggestions.

## Retrospective

#Internally discussion

#More information is explained clearer in our Retrospective Report [click](#) Sprint 2 Retrospective

## Review

#Discussion with Leon

	Suggestions
Leon	<ul style="list-style-type: none"><li>Revise twits to tweets</li><li>Place the link of original Microhard github</li><li>Complete UI files</li><li>Reformat the motivational modeling</li><li>Add more sequence diagrams</li><li>Complete retrospective and review documents of Sprint 2</li><li>Sprint 2 release in Github</li><li>Improve various documents</li></ul>

## Action items

### From the Retrospective

- When there are many other assignments, the ability of time management needs to be improved.
- Communication skills, which can make meetings more efficient
- Take the initiative to take on some work
- Come up with warm-up activities among the team to increase intimacy among the team

#### **From the Review**

- Revise twits to tweets
- Place the link of original Microhard Github
- Complete UI files
- Reformat the motivational modeling
- Add more sequence diagrams
- Complete retrospective and review documents of Sprint 2
- Sprint 2 release in Github
- Improve various documents

# YB - Test Plan

## Test Planning

- **Unit Test:** Ensure that the function points in the requirements document are accurately implemented and Ensure that the function point test for inherent requirements passes
- **Performance Test:** When the inserted content reaches the upper limit, the details page is displayed normally
- **Stress Test:** Measure how the server handles multiple requests simultaneously
- **User acceptance Test:** Ensure that our delivered functionalities meet client's standard and the usability be intuitive and clear

## Test Goals

- Verify that the functions involved in the requirements document are correctly implemented and user's needs are met
- Verify that different versions of the browser need to meet the online standards: no major and above bugs (Bugs above P2)

## Test Metrics

- P0Indicates that the problem of the product is both urgent and important, and must be resolved in the first time
- P1Indicates that the problem of the product is urgent but not important, and the resolution time can be extended to 3 days
- P2Indicates that the problem of the product is not urgent and not important, and it can be left unresolved for the time being, and then optimized later

# YB - Sprint 1 Test Report

## Unit Test Summary

We officially started our **Unit Test** project on April 12th, and all bugs are fixed and the **Unit Test** is passed on April 17th.

In general, our daily testing work is in line with our testing plan, and bugs have been fixed within the specified time.

However, there are still some P2 issues (not urgent and not important). Our decision is not to deal with it for the time being. The reasons are as follows:

- The severity of these problems is P2, which means they are not urgent and not important, we decide to optimize them later.
- We need to spend a lot of time fixing them, which may delay the progress of sprint 2. That is a low ROI thing.

## Performance Test Summary

We officially started our **Performance Test** project on April 12th, and all bugs are fixed and the **Performance Test** is passed on April 17th.

In general, our daily testing work is in line with our testing plan, and all bugs have been fixed within the specified time.

## Stress Test Summary

We officially started our **Stress Test** project on May 15th, and the **Stress Test** is finished on May 18th.

## User Acceptance Summary

We officially finished our **User acceptance Test** project on May 18th.

# **YB - Sprint 1 Unit Testing**

# 12th Apr | Sprint 1 Unit Test

## Test cases

### Function Test

During the first test, we found the problems with our product in terms of our basic function

- Users can like a moment, but the reflect speed is slow
- Users cannot share moments
- Users cannot delete the sharing moments
- Users cannot share moments to a Third-party platform
- Users cannot publish picture moments.
- Users cannot publish plain-text and picture moments.
- Users cannot search for information

FunctionUser stories	Results	Pass the test?	The severity of the problem
1. As a user, I want to <b>browse</b> the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	There is a "Followed" tab on the HOME page, and many moments are displayed on the "Followed Page"		
2. As a user, I want to <b>like</b> the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can like a moment, but the reflect speed is slow	reflect speed is very slow	P1
3. As a user, I want to <b>cancel the like</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can cancel his like of moments		
4. As a user, I want to <b>comment on the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can comment moments		
5. As a user, I want to <b>delete my comment</b>	Users can delete his comment of moments		
6. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot share moments	Not finished yet	P0
7. As a user, I want to <b>delete my sharing</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot delete the sharing moments	Not finished yet	P0
8. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ) to a Third-party platform (Facebook /Wechat, etc).	Users cannot share moments to a Third-party platform	Not finished yet	P2
9. As a user, I want to <b>publish my plain-text moments</b> .	Users can publish plain-text moments.		
10. As a user, I want to <b>publish my picture moments</b> .	Users cannot publish picture moments.	something wrong	P0
11. As a user, I want to <b>publish my moments including plain text and pictures</b> .	Users cannot publish plain-text and picture moments .	something wrong	P0
12. As a user, after I having selected the pics I do not want to upload, I want to delete those pics before I posting this <b>moment</b> .	Users can delete the pics before he posting the moment		
13. As a user, I want to <b>publish my moments including interesting emojis</b> .	Users can add emojis		
14. As a user, I want to <b>delete my moments</b>	Users can delete his moments		
15. As a user, I want to <b>search for some information</b> by using a search function.	Users cannot search for information	Not finished yet	P2

# 13th Apr | Sprint 1 Unit Test

## Test cases

### Function Test

During the first test, we found the problems with our product in terms of our basic function

- Users can like a moment, but the reflect speed is slow
- Users cannot share moments**
- Users cannot delete the sharing moments**
- Users cannot share moments to a Third-party platform
- Users cannot publish picture moments.
- Users cannot publish plain-text and picture moments.
- Users cannot search for information

FunctionUser stories	Results	Pass the test?	The severity of the problem
1. As a user, I want to <b>browse the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	There is a "Followed" tab on the HOME page, and many moments are displayed on the "Followed Page"		
2. As a user, I want to <b>like the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can like a moment, but the reflect speed is slow	reflect speed is very slow	P1
3. As a user, I want to <b>cancel the like</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can cancel his like of moments		
4. As a user, I want to <b>comment on the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can comment moments		
5. As a user, I want to <b>delete my comment</b>	Users can delete his comment of moments		
6. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot share moments		
7. As a user, I want to <b>delete my sharing</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot delete the sharing moments		
8. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ) to a Third-party platform (Facebook /Wechat, etc).	Users cannot share moments to a Third-party platform	Not finished yet	P2
9. As a user, I want to <b>publish my plain-text moments</b> .	Users can publish plain-text moments.		
10. As a user, I want to <b>publish my picture moments</b> .	Users cannot publish picture moments.	something wrong	P0
11. As a user, I want to <b>publish my moments including plain text and pictures</b> .	Users cannot publish plain-text and picture moments .	something wrong	P0
12. As a user, after I having selected the pics I do not want to upload, I want to delete those pics before I posting this <b>moment</b> .	Users can delete the pics before he posting the moment		
13. As a user, I want to <b>publish my moments including interesting emojis</b> .	Users can add emojis		
14. As a user, I want to <b>delete my moments</b>	Users can delete his moments		
15. As a user, I want to <b>search for some information</b> by using a search function.	Users cannot search for information	Not finished yet	P2

# 14th Apr | Sprint 1 Unit Test

## Test cases

### Function Test

During the first test, we found the problems with our product in terms of our basic function

- Users can like a moment, but the reflect speed is slow
- ~~Users cannot share moments~~
- ~~Users cannot delete the sharing moments~~
- Users cannot share moments to a Third-party platform
- ~~Users cannot publish picture moments.~~
- ~~Users cannot publish plain text and picture moments.~~
- Users cannot search for information

FunctionUser stories	Results	Pass the test?	The severity of the problem
1. As a user, I want to <b>browse the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	There is a "Followed" tab on the HOME page, and many moments are displayed on the "Followed Page"		
2. As a user, I want to <b>like the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can like a moment, but the reflect speed is slow	reflect speed is very slow	P1
3. As a user, I want to <b>cancel the like</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can cancel his like of moments		
4. As a user, I want to <b>comment on the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can comment moments		
5. As a user, I want to <b>delete my comment</b>	Users can delete his comment of moments		
6. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot share moments		
7. As a user, I want to <b>delete my sharing</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot delete the sharing moments		
8. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ) to a Third-party platform (Facebook /Wechat, etc).	Users cannot share moments to a Third-party platform	Not finished yet	P2
9. As a user, I want to <b>publish my plain-text moments</b> .	Users can publish plain-text moments.		
10. As a user, I want to <b>publish my picture moments</b> .	Users cannot publish picture moments.		
11. As a user, I want to <b>publish my moments including plain text and pictures</b> .	Users cannot publish plain-text and picture moments .		
12. As a user, after I having selected the pics I do not want to upload, I want to delete those pics before I posting this <b>moment</b> .	Users can delete the pics before he posting the moment		
13. As a user, I want to <b>publish my moments including interesting emojis</b> .	Users can add emojis		
14. As a user, I want to <b>delete my moments</b>	Users can delete his moments		
15. As a user, I want to <b>search for some information</b> by using a search function.	Users cannot search for information	Not finished yet	P2

# 15th Apr | Sprint 1 Unit Test

## Test cases

### Function Test

During the first test, we found the problems with our product in terms of our basic function

- Users can like a moment, but the reflect speed is slow
- ~~Users cannot share moments~~
- ~~Users cannot delete the sharing moments~~
- Users cannot share moments to a Third-party platform
- ~~Users cannot publish picture moments.~~
- ~~Users cannot publish plain text and picture moments.~~
- Users cannot search for information

FunctionUser stories	Results	Pass the test?	The severity of the problem
1. As a user, I want to <b>browse the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	There is a "Followed" tab on the HOME page, and many moments are displayed on the "Followed Page"		
2. As a user, I want to <b>like the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can like a moment, but the reflect speed is slow	reflect speed is very slow	P1
3. As a user, I want to <b>cancel the like</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can cancel his like of moments		
4. As a user, I want to <b>comment on the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can comment moments		
5. As a user, I want to <b>delete my comment</b>	Users can delete his comment of moments		
6. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot share moments		
7. As a user, I want to <b>delete my sharing</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot delete the sharing moments		
8. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ) to a Third-party platform (Facebook /Wechat, etc).	Users cannot share moments to a Third-party platform	Not finished yet	P2
9. As a user, I want to <b>publish my plain-text moments</b> .	Users can publish plain-text moments.		
10. As a user, I want to <b>publish my picture moments</b> .	Users cannot publish picture moments.		
11. As a user, I want to <b>publish my moments including plain text and pictures</b> .	Users cannot publish plain-text and picture moments .		
12. As a user, after I having selected the pics I do not want to upload, I want to delete those pics before I posting this <b>moment</b> .	Users can delete the pics before he posting the moment		
13. As a user, I want to <b>publish my moments including interesting emojis</b> .	Users can add emojis		
14. As a user, I want to <b>delete my moments</b>	Users can delete his moments		
15. As a user, I want to <b>search for some information</b> by using a search function.	Users cannot search for information	Not finished yet	P2

# 16th Apr | Sprint 1 Unit Test

## Test cases

### Function Test

During the first test, we found the problems with our product in terms of our basic function

- Users can like a moment, but the reflect speed is slow
- Users cannot share moments
- Users cannot delete the sharing moments
- Users cannot share moments to a Third-party platform
- Users cannot publish picture moments.
- Users cannot publish plain-text and picture moments.
- Users cannot search for information

Function	User stories	Results	Pass the test?	The severity of the problem
1. As a user, I want to <b>browse the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	There is a "Followed" tab on the HOME page, and many moments are displayed on the "Followed Page"			
2. As a user, I want to <b>like the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can like a moment, but the reflect speed is slow			
3. As a user, I want to <b>cancel the like</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can cancel his like of moments			
4. As a user, I want to <b>comment on the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can comment moments			
5. As a user, I want to <b>delete my comment</b>	Users can delete his comment of moments			
6. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot share moments			
7. As a user, I want to <b>delete my sharing</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot delete the sharing moments			
8. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ) to a Third-party platform (Facebook /Wechat, etc).	Users cannot share moments to a Third-party platform		Not finished yet	P2
9. As a user, I want to <b>publish my plain-text moments</b> .	Users can publish plain-text moments.			
10. As a user, I want to <b>publish my picture moments</b> .	Users cannot publish picture moments.			
11. As a user, I want to <b>publish my moments including plain text and pictures</b> .	Users cannot publish plain-text and picture moments.			
12. As a user, after I having selected the pics I do not want to upload, I want to delete those pics before I posting this <b>moment</b> .	Users can delete the pics before he posting the moment			
13. As a user, I want to <b>publish my moments including interesting emojis</b> .	Users can add emojis			
14. As a user, I want to <b>delete my moments</b>	Users can delete his moments			
15. As a user, I want to <b>search for some information</b> by using a search function.	Users cannot search for information		Not finished yet	P2

# 17th Apr | Sprint 1 Unit Test

## Test cases

### Function Test

During the first test, we found the problems with our product in terms of our basic function

- Users can like a moment, but the reflect speed is slow
- Users cannot share moments
- Users cannot delete the sharing moments
- Users cannot share moments to a Third-party platform
- Users cannot publish picture moments.
- Users cannot publish plain-text and picture moments.
- Users cannot search for information

Function	User stories	Results	Pass the test?	The severity of the problem
1. As a user, I want to <b>browse the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	There is a "Followed" tab on the HOME page, and many moments are displayed on the "Followed Page"			
2. As a user, I want to <b>like the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can like a moment, but the reflect speed is slow			
3. As a user, I want to <b>cancel the like</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can cancel his like of moments			
4. As a user, I want to <b>comment on the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users can comment moments			
5. As a user, I want to <b>delete my comment</b>	Users can delete his comment of moments			
6. As a user, I want to <b>share the moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot share moments			
7. As a user, I want to <b>delete my sharing</b> of the <b>moments</b> of the official account or a non-official account (individual person's <b>moments</b> ).	Users cannot delete the sharing moments			
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9. As a user, I want to <b>publish my plain-text moments</b> .	Users can publish plain-text moments.			
10. As a user, I want to <b>publish my picture moments</b> .	Users cannot publish picture moments.			
11. As a user, I want to <b>publish my moments including plain text and pictures</b> .	Users cannot publish plain-text and picture moments.			
12. As a user, after I having selected the pics I do not want to upload, I want to delete those pics before I posting this <b>moment</b> .	Users can delete the pics before he posting the moment			
13. As a user, I want to <b>publish my moments including interesting emojis</b> .	Users can add emojis			
14. As a user, I want to <b>delete my moments</b>	Users can delete his moments			
15. As a user, I want to <b>search for some information</b> by using a search function.	Users cannot search for information		Not finished yet	P2

# **YB - Sprint 1 Performance Testing**

# 12th Apr | Sprint 1 Performance Testing

## Performance Testing

During the first test, we found the problems with our product in terms of product performance

P0

- The original project failed to connect the server
- Encountered some method call problems in the integration

P1

- Some imported components are not used
- The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow

P2

- The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"
- In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted
- The speed of reading pics in the MongoDB is slow
- The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time

Performance (Frontend)	The severity of the problem	Pass the test?	To-do-list
1. The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"	P2		Fix it before 04/17
2. In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted	P2		Fix it before 04/17
3. Some imported components are not used	P1		Fix it before 04/15
4. The speed of reading pics in the MongoDB is slow	P2		Fix it before 04/17
5. The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time	P2		Fix it before 04/17
6. The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow	P1		Fix it before 04/15

Performance (Backend)	The severity of the problem	Pass the test?	To-do-list
1. The original project failed to connect the server	P0		Fix it before 04/13
2. Encountered some method call problems in the integration	P0		Fix it before 04/13

# 13th Apr | Sprint 1 Performance Testing

## Performance Testing

During the first test, we found the problems with our product in terms of product performance

P0

- The original project failed to connect the server
- Encountered some method call problems in the integration

P1

- Some imported components are not used
- The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow

P2

- The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"
- In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted
- The speed of reading pics in the MongoDB is slow
- The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time

Performance (Frontend)	The severity of the problem	Pass the test?	To-do-list
1. The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"	P2		Fix it before 04 /17
2. In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted	P2		Fix it before 04 /17
3. Some imported components are not used	P1		Fix it before 04 /15
4. The speed of reading pics in the MongoDB is slow	P2		Fix it before 04 /17
5. The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time	P2		Fix it before 04 /17
6. The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow	P1		Fix it before 04 /15

Performance (Backend)	The severity of the problem	Pass the test?	To-do-list
1. The original project failed to connect the server	P0	/	
2. Encountered some method call problems in the integration	P0		Fix it before 04/13

# 14th Apr | Sprint 1 Performance Testing

## Performance Testing

During the first test, we found the problems with our product in terms of product performance

P0

- The original project failed to connect the server
- Encountered some method call problems in the integration

P1

- Some imported components are not used
- The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow

P2

- The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"
- In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted
- The speed of reading pics in the MongoDB is slow
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Performance (Frontend)	The severity of the problem	Pass the test?	To-do-list
1. The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"	P2		Fix it before 04 /17
2. In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted	P2		Fix it before 04 /17
3. Some imported components are not used	P1		Fix it before 04 /15
4. The speed of reading pics in the MongoDB is slow	P2		Fix it before 04 /17
5. The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time	P2		Fix it before 04 /17
6. The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow	P1		Fix it before 04 /15

Performance (Backend)	The severity of the problem	Pass the test?	To-do-list
1. The original project failed to connect the server	P0	/	
2. Encountered some method call problems in the integration	P0	/	

# 15th Apr | Sprint 1 Performance Testing

## Performance Testing

During the first test, we found the problems with our product in terms of product performance

P0

- The original project failed to connect the server
- Encountered some method call problems in the integration

P1

- Some imported components are not used
- The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow

P2

- The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"
- In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted
- The speed of reading pics in the MongoDB is slow
- The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time

Performance (Frontend)	The severity of the problem	Pass the test?	To-do-list
1. The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"	P2		Fix it before 04 /17
2. In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted	P2		Fix it before 04 /17
3. Some imported components are not used	P1	/	
4. The speed of reading pics in the MongoDB is slow	P2		Fix it before 04 /17
5. The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time	P2		Fix it before 04 /17
6. The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow	P1		Fix it before 04 /15

Performance (Backend)	The severity of the problem	Pass the test?	To-do-list
1. The original project failed to connect the server	P0	/	
2. Encountered some method call problems in the integration	P0	/	

# 16th Apr | Sprint 1 Performance Testing

## Performance Testing

During the first test, we found the problems with our product in terms of product performance

P0

- ~~The original project failed to connect the server~~
- ~~Encountered some method call problems in the integration~~

P1

- ~~Some imported components are not used~~
- ~~The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow~~

P2

- The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"
- In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted
- The speed of reading pics in the MongoDB is slow
- The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time

Performance (Frontend)	The severity of the problem	Pass the test?	To-do-list
1. The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"	P2		Fix it before 04/17
2. In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted	P2		Fix it before 04/17
3. Some imported components are not used	P1		/
4. The speed of reading pics in the MongoDB is slow	P2		Fix it before 04/17
5. The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time	P2		Fix it before 04/17
6. The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow	P1		There is no problem with the basic functions, and the performance needs to be checked and optimized later

Performance (Backend)	The severity of the problem	Pass the test?	To-do-list
1. The original project failed to connect the server	P0		/
2. Encountered some method call problems in the integration	P0		/

# 17th Apr | Sprint 1 Performance Testing

## Performance Testing

During the first test, we found the problems with our product in terms of product performance

P0

- ~~The original project failed to connect the server~~
- ~~Encountered some method call problems in the integration~~

P1

- ~~Some imported components are not used~~
- ~~The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow~~

P2

- ~~The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"~~
- ~~In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted~~
- ~~The speed of reading pics in the MongoDB is slow~~
- ~~The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time~~

Performance (Frontend)	The severity of the problem	Pass the test?	To-do-list
1. The BUG of React-grid-gallery. Without setting a specific width, a warning will appear in the browser. In order to maintain the original ratio of the picture, we can only set width = "auto"	P2		Compared with other galleries, they are more or less defective. In general, even if a warning appears, it will not affect the overall use, and will not be optimized for this in the future
2. In order to ensure that the account in the upper right corner is properly pulled down, the onClick event listener cannot be deleted	P2		Does not affect the use of functions and will not be resolved temporarily
3. Some imported components are not used	P1	/	
4. The speed of reading pics in the MongoDB is slow	P2		
5. The status of likes and comments on the same moment cannot be synchronized on three TAB pages in real-time	P2		
6. The picture in the upload picture interface is updated slowly after the change, and the operation of selecting the picture is also very slow	P1		There is no problem with the basic functions, and the performance needs to be checked and optimized later

Performance (Backend)	The severity of the problem	Pass the test?	To-do-list
1. The original project failed to connect the server	P0	/	
2. Encountered some method call problems in the integration	P0	/	

# **YB - Sprint 1 Stress Testing**

# 15th May | Spring 1 Stress Test

## Stress Testing for Posting a New Moment

We use JMeter to simulate a user posting 1500 moments to see if our server can withstand this amount of load.

API to make request to: **121.4.57.204:8080/info/{userId}** via **POST**

Parameter	Value
contents	this is a test moment
userId	606c453064ad461348e31a23

## JMeter Component Structure

- Sprint 1 Test Plan
  - Message Threads { Number of Threads: 1500, Ramp-up period (seconds): 1, Loop Count: 1 }
  - Loop Controller
    - HTTP GET Moment { Parameters: specified above, Method: POST }
      - View Results Tree
      - Graph Results
      - Summary Report

## Success Rate

Total number of request: 1496

Number of successful request: 1481

Success rate: 99.00%

Min Response Time: 1832ms

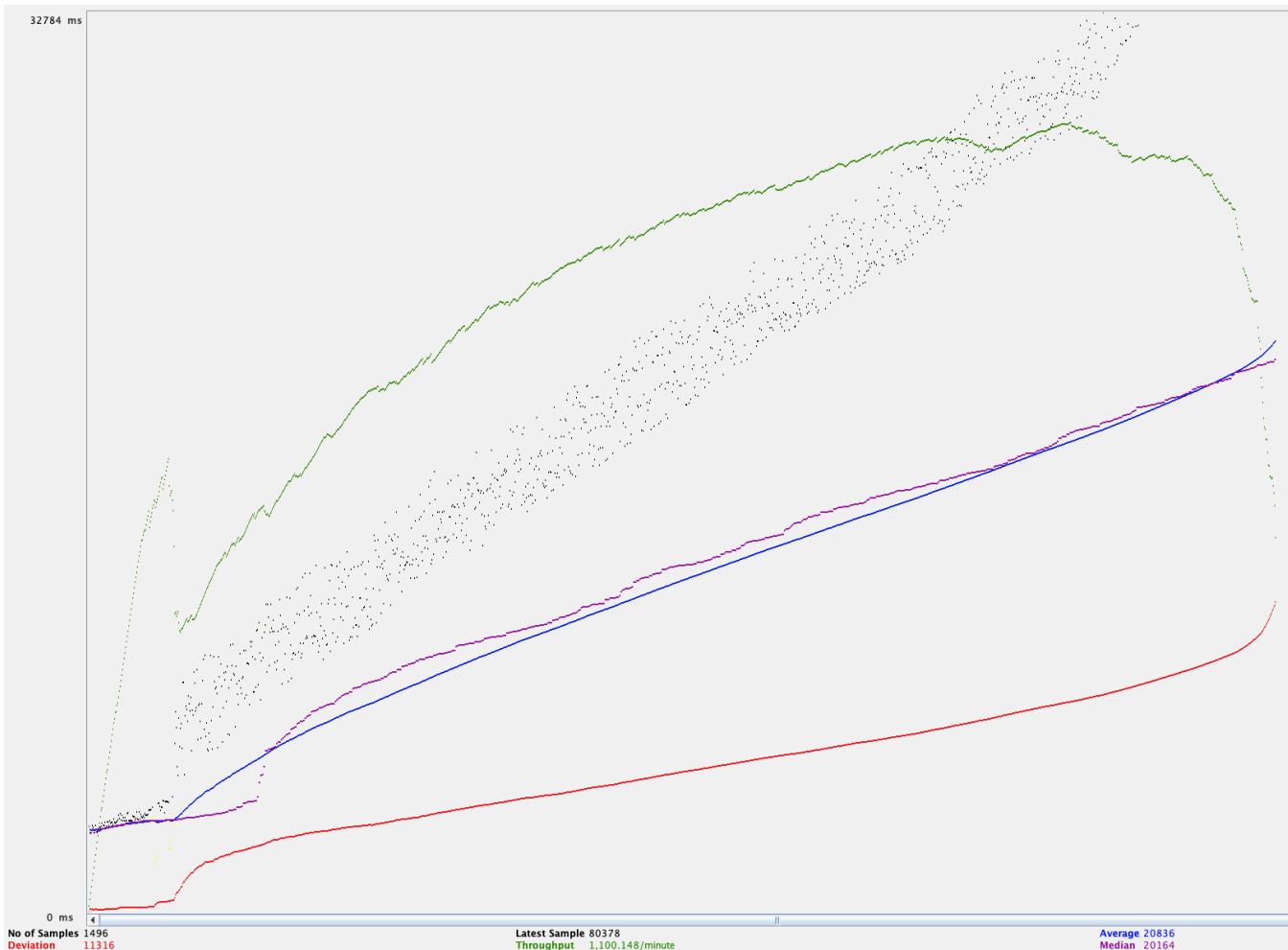
Max Response Time: 80378ms

Average Response Time: 20836ms

Throughput: 18.3/sec

Average Byte: 619.9

## Graph Results



## Sample Message Report

timeStamp	elapsed	label	responseCode	responseMessage	threadName	data Type	success	failureMessage	bytes	sent Bytes	grpThreads	allThreads	URL	Latency	Idle Time	Connect
1.6213 E+12	3159	HTTP POST Moment	200		Thread Group 1-2	text	TRUE		601	263	1312	1312	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23">http://121.4.57.204:8080/info/606c453064ad461348e31a23</a>	3159	0	692
1.6213 E+12	2895	HTTP POST Moment	200		Thread Group 1-107	text	TRUE		601	263	1313	1313	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23">http://121.4.57.204:8080/info/606c453064ad461348e31a23</a>	2894	0	423
1.6213 E+12	3457	HTTP POST Moment	Non HTTP response code: <a href="#">java.net.SocketException</a>	Non HTTP response message: Connection reset	Thread Group 1-261	text	FALSE		24	0	1421	1421	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23">http://121.4.57.204:8080/info/606c453064ad461348e31a23</a>	0	0	2007
1.6213 E+12	404 07	HTTP POST Moment	200		Thread Group 1-679	text	TRUE		601	263	56	56	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23">http://121.4.57.204:8080/info/606c453064ad461348e31a23</a>	404 07	0	4003
1.6213 E+12	419 63	HTTP POST Moment	200		Thread Group 1-258	text	TRUE		601	263	55	55	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23">http://121.4.57.204:8080/info/606c453064ad461348e31a23</a>	277 85	0	2058
1.6213 E+12	420 76	HTTP POST Moment	200		Thread Group 1-359	text	TRUE		601	263	54	54	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23">http://121.4.57.204:8080/info/606c453064ad461348e31a23</a>	420 76	0	2569



# 16th May | Sprint 1 Stress Test

## Stress Testing for Getting Moment List

We use JMeter to simulate a user getting the moment list 1500 times to see if our server can withstand this amount of load.

API to make request to: **121.4.57.204:8080/info/{userId}** via **GET**

Parameter	Value
isRefresh	true
userId	606c453064ad461348e31a23

## JMeter Component Structure

- Sprint 1 Test Plan
  - Message Threads { Number of Threads: 1500, Ramp-up period (seconds): 1, Loop Count: 1 }
  - Loop Controller
    - HTTP POST Moment { Parameters: specified above, Method: POST }
      - View Results Tree
      - Graph Results
      - Summary Report

## Success Rate

Total number of request: 1399

Number of successful request: 1258

Success rate: 89.03%

Min Response Time: 1891ms

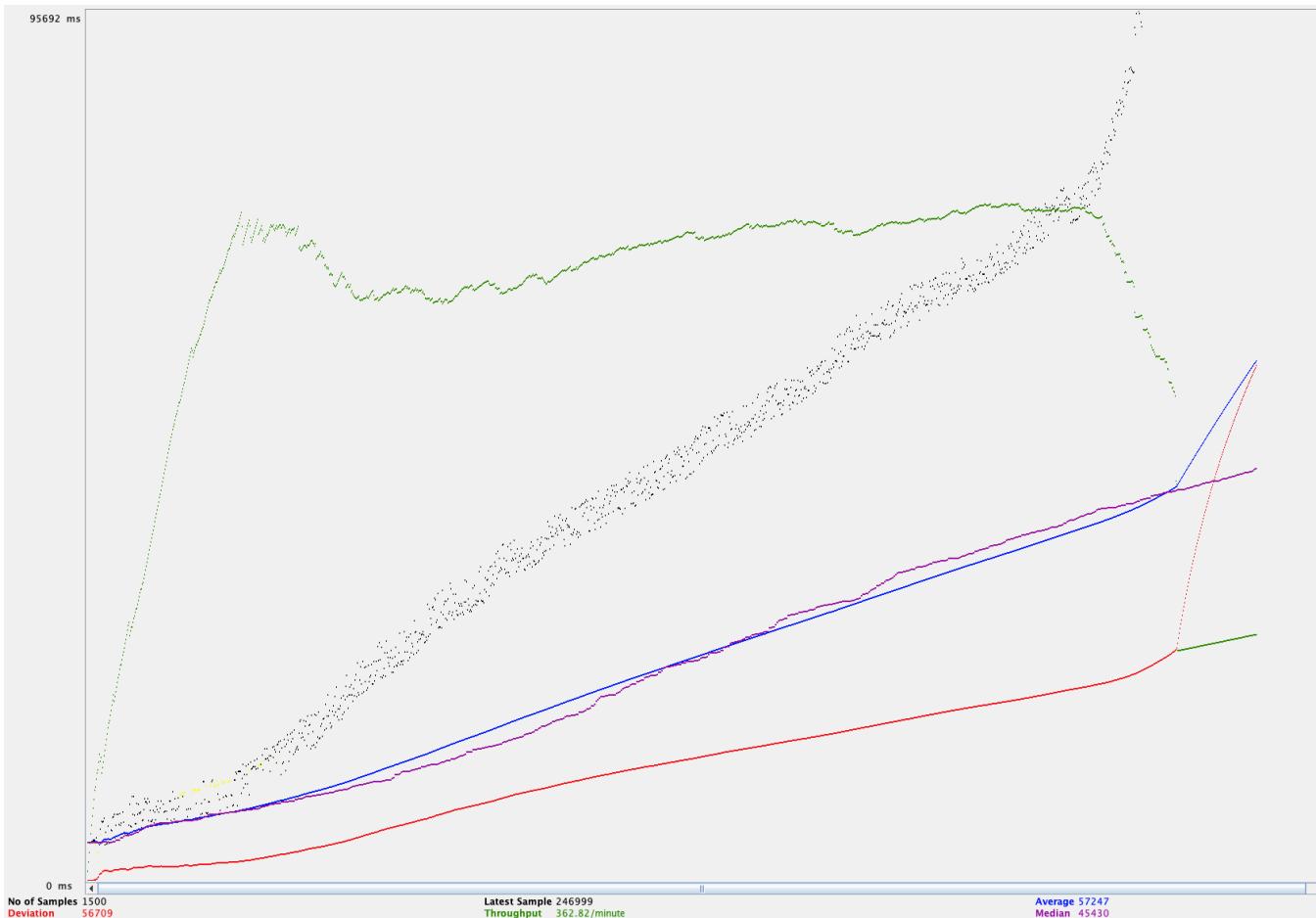
Max Response Time: 113195ms

Average Response Time: 57247ms

Throughput: 6.0/sec

Average Byte: 2698.9

## Graph Results



## Sample Message Report

timeStamp	elapsed	label	responseCode	responseMessage	threadName	data Type	succcess	failureMessage	bytes	sent Bytes	grpTh reads	allTh reads	URL	Latency	Idle Time	Connect
1.621 3E+12	5752	HTTP GET Moment	200		Thread Group 1-37	text	TRUE		321	163	1484	1484	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true">http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true</a>	5752	0	1098
1.621 3E+12	5136	HTTP GET Moment	Non HTTP response code: java.net.SocketException	Non HTTP response message: Connection reset	Thread Group 1-308	text	FALSE		24 67	0	1483	1483	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true">http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true</a>	0	0	2903
1.621 3E+12	428 35	HTTP GET Moment	200		Thread Group 1-570	text	TRUE		50 83	163	812	812	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true">http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true</a>	389 70	0	5194
1.621 3E+12	410 08	HTTP GET Moment	200		Thread Group 1-1227	text	TRUE		50 83	163	811	811	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true">http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true</a>	386 99	0	2764
1.621 3E+12	143 528	HTTP GET Moment	200		Thread Group 1-111	text	TRUE		50 83	163	103	103	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true">http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true</a>	810 53	0	1692
1.621 3E+12	245 239	HTTP GET Moment	Non HTTP response code: java.net.SocketException	Non HTTP response message: Socket closed	Thread Group 1-896	text	FALSE		17 00	0	102	102	<a href="http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true">http://121.4.57.204:8080/info/606c453064ad461348e31a23?isRefresh=true</a>	645 29	0	2734

# 17th May | Sprint 1 Stress Test

## Stress Testing for Posting a Review of a Moment

We use JMeter to simulate a user posting a review of a moment 1500 times to see if our server can withstand this amount of load.

API to make request to: **121.4.57.204:8080/info/review/{momentId}/{userId}** via **POST**

Parameter	Value
momentId	6075ae4dc7280e2ae90de21b
userId	606c453064ad461348e31a23
content	this is a test review

## JMeter Component Structure

- Sprint 1 Test Plan
  - Message Threads { Number of Threads: 1500, Ramp-up period (seconds): 1, Loop Count: 1 }
  - Loop Controller
    - HTTP POST Review { Parameters: specified above, Method: POST }
      - HTTP Header Manager { Content-Type: application/json }
      - View Results Tree
      - Graph Results
      - Summary Report

## Success Rate

Total number of request: 1391

Number of successful requests: 627

Success rate: 45.09%

Min Response Time: 810ms

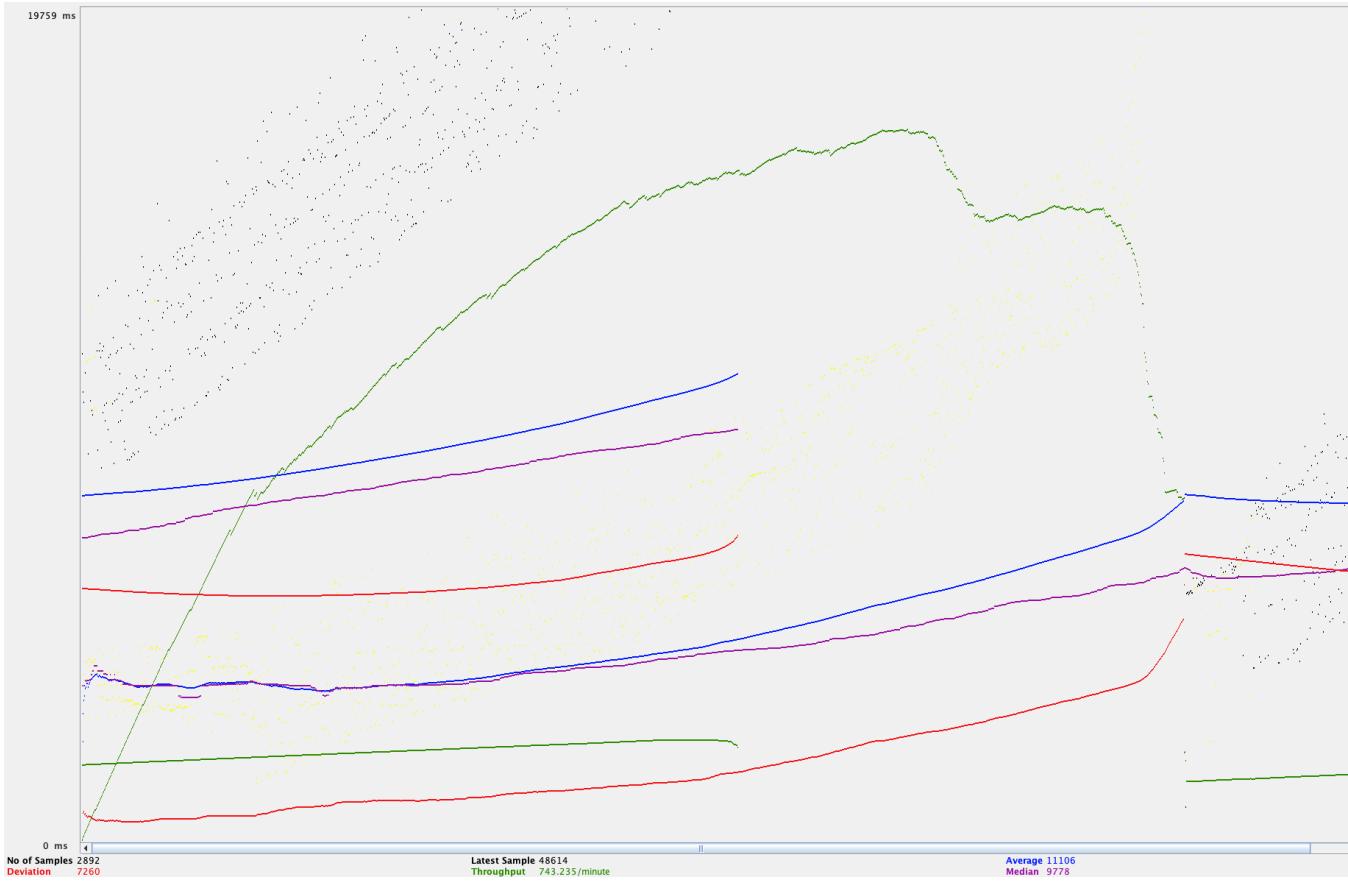
Max Response Time: 126620ms

Average Response Time: 11106ms

Throughput: 12.4/sec

Average Byte: 542.8

## Graph Results



## Sample Message Report

timeStamp	elapsed	label	responseCode	responseMessage	threadName	data Type	suc cess	failure Message	by tes	sent Bytes	grpThreads	allThreads	URL	Latency	Idle Time	Connect
1.621 3E+12	59 00	HTTP POST REVIEW	200		Thread Group 1-176	text	TR UE		320	278	1492	1492	<a href="http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23">http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23</a>	59 00	0	5299
1.621 3E+12	62 52	HTTP POST REVIEW	200		Thread Group 1-135	text	TR UE		320	278	1491	1491	<a href="http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23">http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23</a>	62 51	0	5187
1.621 3E+12	57 77	HTTP POST REVIEW	Non HTTP response code: java.net.SocketException	Non HTTP response message: Connection reset	Thread Group 1-282	text	FA LSE		24 67	0	1490	1490	<a href="http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23">http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23</a>	0	0	5190
1.621 3E+12	60 11	HTTP POST REVIEW	Non HTTP response code: java.net.SocketException	Non HTTP response message: Connection reset	Thread Group 1-207	text	FA LSE		24 67	0	1489	1489	<a href="http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23">http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23</a>	0	0	5408
1.621 3E+12	18 021	HTTP POST REVIEW	200		Thread Group 1-1069	text	TR UE		320	278	427	427	<a href="http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23">http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23</a>	18 020	0	6492
1.621 3E+12	20 931	HTTP POST REVIEW	Non HTTP response code: java.net.SocketException	Non HTTP response message: Connection reset	Thread Group 1-276	text	FA LSE		24 67	0	426	426	<a href="http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23">http://121.4.57.204:8080/info/review/6075ae4dc7280e2ae90de21b/606c453064ad461348e31a23</a>	0	0	5235

# 18th May | Sprint 1 Stress Test

## Stress Testing for Getting Moment Reviews List

We use JMeter to simulate a user getting the review list of a moment 1500 times to see if our server can withstand this amount of load.

API to make request to: **121.4.57.204:8080/info/review/{infold}/{page}/{limit}** via GET

Parameter	Value
infold	6075ae4dc7280e2ae90de21b
page	0
limit	10

## JMeter Component Structure

- Sprint 1 Test Plan
  - Message Threads { Number of Threads: 1500, Ramp-up period (seconds): 1, Loop Count: 1 }
  - Loop Controller
    - HTTP GET Review { Parameters: specified above, Method: GET }
      - View Results Tree
      - Graph Results
      - Summary Report

## Success Rate

Total number of requests: 1500

Number of successful requests: 1495

Success rate: 99.67%

Min Response Time: 1069ms

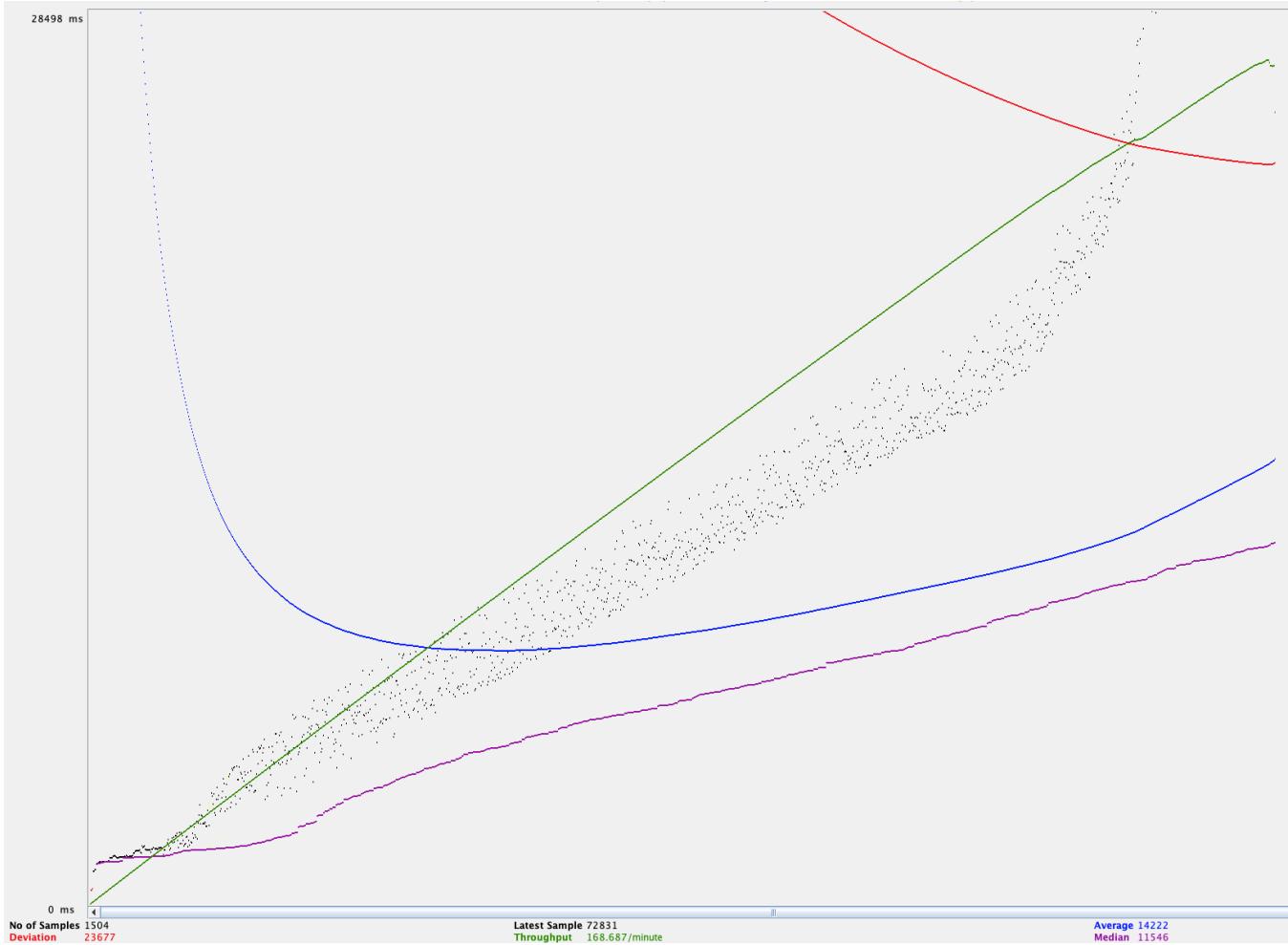
Max Response Time: 72831ms

Average Response Time: 13087ms

Throughput: 20.6/sec

Average Byte: 1155.4

## Graph Results



## Sample Message Report

timeStamp	elapsed	label	responseCode	responseMessage	threadName	data Type	suc cess	failureMessage	by tes	sent Bytes	grpTh reads	allTh reads	URL	Latency	Idle Time	Connect
1.6213E+12	3487	HTTP GET INFO REVIEW	200		Thread Group 1-315	text	TR UE		11 51	160	1341	1341	http://121.4.57.204:8080/info/review /6075ae4dc7280e2ae90de21b/0/10	3487	0	448
1.6213E+12	2188	HTTP GET INFO REVIEW	Non HTTP response code: java.net.SocketException	Non HTTP response message: Connection reset	Thread Group 1-960	text	FA LSE		24 67	0	1340	1340	http://121.4.57.204:8080/info/review /6075ae4dc7280e2ae90de21b/0/10	0	0	1297
1.6213E+12	3066	HTTP GET INFO REVIEW	200		Thread Group 1-677	text	TR UE		11 51	160	1330	1330	http://121.4.57.204:8080/info/review /6075ae4dc7280e2ae90de21b/0/10	3066	0	392
1.6213E+12	4076	HTTP GET INFO REVIEW	Non HTTP response code: java.net.SocketException	Non HTTP response message: Connection reset	Thread Group 1-176	text	FA LSE		24 67	0	1329	1329	http://121.4.57.204:8080/info/review /6075ae4dc7280e2ae90de21b/0/10	0	0	2534
1.6213E+12	188 08	HTTP GET INFO REVIEW	200		Thread Group 1-112	text	TR UE		11 51	160	355	355	http://121.4.57.204:8080/info/review /6075ae4dc7280e2ae90de21b/0/10	185 35	0	179 91
1.6213E+12	168 10	HTTP GET INFO REVIEW	200		Thread Group 1-1183	text	TR UE		11 51	160	355	355	http://121.4.57.204:8080/info/review /6075ae4dc7280e2ae90de21b/0/10	168 10	0	6415

# **YB - Sprint 1 User Acceptance Testing**

# 18th May | Sprint 1 Acceptance Testing

## Assumptions & Constraints

Assumptions
<ul style="list-style-type: none"><li>• <b>Test environment:</b> The test cases are conducted by 3 experienced IT students</li><li>• <b>Test documentation:</b> All test cases are documented within Confluence</li><li>• <b>Error Reporting:</b> Errors, failures and other flaws are reported directly to the development team</li></ul>
Constraints
<ul style="list-style-type: none"><li>• <b>Time frame:</b> Test results must be provided by 20th May 2021</li><li>• <b>Resources</b><ul style="list-style-type: none"><li>• <b>Human resources:</b> 3 testers available for 2 days</li><li>• <b>Provided hardware:</b> MacBook Pro, MacBook Air, Surface Laptop</li><li>• <b>Tested operating systems</b><ul style="list-style-type: none"><li>• OS X: 10.10, 10.11, 10.12, 10.13, 10.14</li><li>• Windows: 8, 8.1, 10</li><li>• Linux: Debian, Cent OS, Ubuntu</li></ul></li><li>• <b>Browsers</b><ul style="list-style-type: none"><li>• Firefox</li><li>• Chrome</li><li>• Safari</li></ul></li></ul></li></ul>

## Risks

Description	Probability	Impact	Mitigation
Not properly trained testers	Low	Median	Arrange training sessions for testers
Incomplete test environment due to time constraints	Median	Median	Realistic time & resource planning
Error handling: testers are not aware of how to report bugs	Low	High	Arrange reporting session for testers

## Team Roles & Responsibilities

Name	Role	Responsibilities
Steven Wang	Tester	Testing on Windows
Ashley He	Tester	Testing on OS X
Fan Jia	Tester	Testing on Linux
Wenyu Xie	Scrum Master	Managing UAT test

## Entry Criteria

ID	Criteria
1	The development of planned features is fully completed
2	No high defects are reported
3	All reported bugs should be fixed
4	UAT test environment is ready
5	Testers are ready to start testing
6	UAT test plan is available

## Test Cases

ID	Test Cases
1	<p><b>Post a new moment with images and emojis</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Type something into the Moment Box</li> <li>Click on "emoji" icon on the Moment posting card to select emojis</li> <li>Click on "image" icon on the Moment posting card to select images</li> <li>Click on "Publish" button on the Moment posting card to post a new moment</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>A new moment containing typed text and selected emojis with uploaded images will be inserted into the moments' wall.</li> </ul>
2	<p><b>Make a comment with emojis</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "comment" icon on an existing moment card to expand the collapse</li> <li>Type something into the Comment Box.</li> <li>Click on "emoji" icon on the Comment posting card to select emojis</li> <li>Click on "Comment" button on the Comment posting card to post a new Comment</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>A new comment containing typed text and selected emojis will be inserted into the comment district of this moment.</li> </ul>
3	<p><b>Like/dislike a moment</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "heart" icon on an existing moment card to like/dislike the moment</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The heart icon will become red if we do the like operation; while it will become grey if we do the dislike operation.</li> </ul>
4	<p><b>Share a moment with emojis</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "forward" icon on an existing moment card to open the forwarding dialog</li> <li>Type something into the Forward Box.</li> <li>Click on "emoji" icon on the Forward posting card to select emojis</li> <li>Click on "FORWARD" button on the Forward posting card to forward a moment</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>A new forward moment containing typed text and selected emojis will be inserted into the moments' wall.</li> </ul>
5	<p><b>Delete a moment</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "x" icon on an existing moment card to open a confirming dialog</li> <li>Click on "DELETE" button on the confirming dialog</li> </ul>

	<p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The selected moment will disappear from the moments' wall.</li> </ul>
6	<p><b>Delete a comment</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "comment" icon on an existing moment card to expand the collapse</li> <li>Click on "x" icon on an existing comment card to open a confirming dialog</li> <li>Click on "DELETE" button on the confirming dialog</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The selected comment will disappear from the comment district of this moment.</li> </ul>
7	<p><b>Come to the top</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "up" icon on the page to come to the top of the page</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The scroll bar will be rolled back to the top of the page.</li> </ul>
8	<p><b>Come to the bottom</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "down" icon on the page to come to the bottom of the page</li> <li>Manually drag the scroll bar to the bottom of the page</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The scroll bar will be rolled back to the bottom of the page and more moments will be demonstrated on the moments' wall at the same time.</li> </ul>
9	<p><b>Refresh the moments' wall</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "refresh" icon on the page to manually refresh the page</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>New moments ordered by "heat" will be demonstrated on the moments' wall.</li> </ul>
10	<p><b>Switch the tab of the moments' wall</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Respectively click on "ALL", "MY MOMENTS" and "OFFICIAL MOMENTS" tabs</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>Tab "ALL" will demonstrate all moments including the user's, the user's friends' and the official moments; tab "MY MOMENTS" will demonstrate only the user's moments; while tab "OFFICIAL MOMENTS" will only demonstrate the official moments.</li> </ul>
11	<b>Snackbar</b>

	<ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000">http://121.4.57.204:3000</a></li> <li>Log in with           <ul style="list-style-type: none"> <li>Username: hotmail@com.cn</li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Doing the posting, deleting, forwarding operations</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>When doing the posting, deleting, forwarding operations, there will be a snack bar shown on the left bottom of the page to demo the operation result.</li> </ul>
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## Test Results

Test Case ID	Test Case	Result	Tested By	Tested Date
1	Post a new moment with images and emojis	Pass	Ashley He	2020/05/18
2	Make a comment with emojis	Pass	Ashley He	2020/05/18
3	Like/dislike a moment	Pass	Ashley He	2020/05/18
4	Share a moment with emojis	Pass	Steven Wang	2020/05/18
5	Delete a moment	Pass	Steven Wang	2020/05/18
6	Delete a comment	Pass	Steven Wang	2020/05/18
7	Come to the top	Pass	Steven Wang	2020/05/18
8	Come to the bottom	Pass	Fan Jia	2020/05/18
9	Refresh the moments' wall	Pass	Fan Jia	2020/05/18
10	Switch the tab of the moments' wall	Pass	Fan Jia	2020/05/18
11	Snackbar	Pass	Fan Jia	2020/05/18

## Signature

Role	Name	Signature	Date
Scrum Master	Wenyu Xie		2020/05/18
Tester	Steven Wang		2020/05/18
Tester	Ashley He		2020/05/18
Tester	Fan Jia		2020/05/18

## Assumptions & Constraints

Assumptions
<ul style="list-style-type: none"> <li><b>Test environment:</b> The test cases are conducted by 3 experienced IT students</li> <li><b>Test documentation:</b> All test cases are documented within Confluence</li> <li><b>Error Reporting:</b> Errors, failures and other flaws are reported directly to the development team</li> </ul>

## Constraints

- **Time frame:** Test results must be provided by 20th May 2021
- **Resources**
  - **Human resources:** 3 testers available for 2 days
  - **Provided hardware:** MacBook Pro, MacBook Air, Surface Laptop
  - **Tested operating systems**
    - OS X: 10.10, 10.11, 10.12, 10.13, 10.14
    - Windows: 8, 8.1, 10
    - Linux: Debian, Cent OS, Ubuntu
  - **Browsers**
    - Firefox
    - Chrome
    - Safari

## Risks

Description	Probability	Impact	Mitigation
Not properly trained testers	Low	Median	Arrange training sessions for testers
Incomplete test environment due to time constraints	Median	Median	Realistic time & resource planning
Error handling: testers are not aware of how to report bugs	Low	High	Arrange reporting session for testers

## Team Roles & Responsibilities

Name	Role	Responsibilities
Steven Wang	Tester	Testing on Windows
Ashley He	Tester	Testing on OS X
Fan Jia	Tester	Testing on Linux
Wenyu Xie	Scrum Master	Managing UAT test

## Entry Criteria

ID	Criteria
1	The development of planned features is fully completed
2	No high defects are reported
3	All reported bugs should be fixed
4	UAT test environment is ready
5	Testers are ready to start testing
6	UAT test plan is available

## Test Cases

ID	Test Cases
1	<b>Post a new moment with images and emojis</b> <ul style="list-style-type: none"><li>• Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li><li>• Log in with<ul style="list-style-type: none"><li>• Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li><li>• Password: By8853072\$</li></ul></li><li>• Click on "Moments" in menu bar</li><li>• Type something into the Moment Box</li><li>• Click on "emoji" icon on the Moment posting card to select emojis</li><li>• Click on "image" icon on the Moment posting card to select images</li></ul>

	<ul style="list-style-type: none"> <li>Click on "Publish" button on the Moment posting card to post a new moment</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>A new moment containing typed text and selected emojis with uploaded images will be inserted into the moments' wall.</li> </ul>
2	<p><b>Make a comment with emojis</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "comment" icon on an existing moment card to expand the collapse</li> <li>Type something into the Comment Box.</li> <li>Click on "emoji" icon on the Comment posting card to select emojis</li> <li>Click on "Comment" button on the Comment posting card to post a new Comment</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>A new comment containing typed text and selected emojis will be inserted into the comment district of this moment.</li> </ul>
3	<p><b>Like/dislike a moment</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "heart" icon on an existing moment card to like/dislike the moment</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The heart icon will become red if we do the like operation; while it will become grey if we do the dislike operation.</li> </ul>
4	<p><b>Share a moment with emojis</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "forward" icon on an existing moment card to open the forwarding dialog</li> <li>Type something into the Forward Box.</li> <li>Click on "emoji" icon on the Forward posting card to select emojis</li> <li>Click on "FORWARD" button on the Forward posting card to forward a moment</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>A new forward moment containing typed text and selected emojis will be inserted into the moments' wall.</li> </ul>
5	<p><b>Delete a moment</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "x" icon on an existing moment card to open a confirming dialog</li> <li>Click on "DELETE" button on the confirming dialog</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The selected moment will disappear from the moments' wall.</li> </ul>
6	<p><b>Delete a comment</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "comment" icon on an existing moment card to expand the collapse</li> <li>Click on "x" icon on an existing comment card to open a confirming dialog</li> <li>Click on "DELETE" button on the confirming dialog</li> </ul>

	<p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The selected comment will disappear from the comment district of this moment.</li> </ul>
7	<p><b>Come to the top</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "up" icon on the page to come to the top of the page</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The scroll bar will be rolled back to the top of the page.</li> </ul>
8	<p><b>Come to the bottom</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "down" icon on the page to come to the bottom of the page</li> <li>Manually drag the scroll bar to the bottom of the page</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>The scroll bar will be rolled back to the bottom of the page and more moments will be demonstrated on the moments' wall at the same time.</li> </ul>
9	<p><b>Refresh the moments' wall</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Click on "refresh" icon on the page to manually refresh the page</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>New moments ordered by "heat" will be demonstrated on the moments' wall.</li> </ul>
10	<p><b>Switch the tab of the moments' wall</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Respectively click on "ALL", "MY MOMENTS" and "OFFICIAL MOMENTS" tabs</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>Tab "ALL" will demonstrate all moments including the user's, the user's friends' and the official moments; tab "MY MOMENTS" will demonstrate only the user's moments; while tab "OFFICIAL MOMENTS" will only demonstrate the official moments.</li> </ul>
11	<p><b>Snackbar</b></p> <ul style="list-style-type: none"> <li>Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>Log in with <ul style="list-style-type: none"> <li>Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>Password: By8853072\$</li> </ul> </li> <li>Click on "Moments" in menu bar</li> <li>Doing the posting, deleting, forwarding operations</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>When doing the posting, deleting, forwarding operations, there will be a snack bar shown on the left bottom of the page to demo the operation result.</li> </ul>

## Test Results

Test Case ID	Test Case	Result	Tested By	Tested Date
1	Post a new moment with images and emojis	Pass	Ashley He	2020/05/18
2	Make a comment with emojis	Pass	Ashley He	2020/05/18
3	Like/dislike a moment	Pass	Ashley He	2020/05/18
4	Share a moment with emojis	Pass	Steven Wang	2020/05/18
5	Delete a moment	Pass	Steven Wang	2020/05/18
6	Delete a comment	Pass	Steven Wang	2020/05/18
7	Come to the top	Pass	Steven Wang	2020/05/18
8	Come to the bottom	Pass	Fan Jia	2020/05/18
9	Refresh the moments' wall	Pass	Fan Jia	2020/05/18
10	Switch the tab of the moments' wall	Pass	Fan Jia	2020/05/18
11	Snackbar	Pass	Fan Jia	2020/05/18

## Signature

Role	Name	Signature	Date
Scrum Master	Wenyu Xie		2020/05/18
Tester	Steven Wang		2020/05/18
Tester	Ashley He		2020/05/18
Tester	Fan Jia		2020/05/18

# YB- Sprint 2 Test Report

## Unit Test Summary

We officially started our **Unit Test** project on May 11th, and all bugs are fixed and the **Unit Test** is passed on May 12th.

In general, our daily testing work is in line with our testing plan, and bugs have been fixed within the specified time.

## Performance Test Summary

We officially started our **Performance Test** project on May 11th, and all bugs are fixed and the **Performance Test** is passed on May 12th.

In general, our daily testing work is in line with our testing plan, and all bugs have been fixed within the specified time.

## Stress Test Summary

We officially started our **Stress Test** on May 15th and the **Stress Test** is finished on May 17th.

## User Acceptance Summary

We officially finished our **User Acceptance Test** project on May 13th.

## **YB - Sprint 2 Unit Testing**

# 11th May | Sprint 2 Daily Test

## Test cases

### Function Test

During the first test, we found the problems with our product in terms of our basic function

- Place a search box at the top of chat list to search for chat and user
- Stick on top unread messages
- Display sent time of each message

Function	Results	Pass the test?	The severity of the problem
1. Receive messages from others	User see sent messages from others on their end in real time, and user's avatar will display under sent message indicated as "read"		
2. Display all users in a list	User can see all registered users under "people" tab		
3. Stick on top all unread messages	Any unread/new messages will be automatically sticky on top		
4. Send messages to another user	Sent messages will be displayed on both parties's end		
5. A search box at the top of the list to quickly find users	A list contains searched users will be displayed when username matches with input text		
6. Type in text in chatbox	Typed text will be displayed in chatbox		
7. Select users from contact list to create a group chat	A new chat will be created with selected users from contact list		
8. In chat field, an icon where user can click to send images/videos from media library	Selected media source from user's device will be sent to other ends and others can see it	(Videos cannot be sent)	P1
9. Deploy the backend server automatically using Jenkins as the CI/CI deployment tool	Github version will be automatically deployed on Tencent cloud without manual interference	(In Progress)	P4
10. In chat page, a search box where user can search for chat history	A list contains matched chat from input text will be displayed	(Not finished)	P1

# 12th May | Sprint 2 Daily Test

## Test cases

### Function Test

During the first test, we found the problems with our product in terms of our basic function

- Place a search box at the top of chat list to search for chat and user
- Stick on top unread messages
- Display sent time of each message

Function	Results	Pass the test?	The severity of the problem
1. Receive messages from others	User see sent messages from others on their end in real time, and user's avatar will display under sent message indicated as "read"		
2. Display all users in a list	User can see all registered users under "people" tab		
3. Stick on top all unread messages	Any unread/new messages will be automatically sticky on top		
4. Send messages to another user	Sent messages will be displayed on both parties's end		
5. A search box at the top of the list to quickly find users	A list contains searched users will be displayed when username matches with input text		
6. Type in text in chatbox	Typed text will be displayed in chatbox		
7. Select users from contact list to create a group chat	A new chat will be created with selected users from contact list		
8. In chat field, an icon where user can click to send images/videos from media library	Selected media source from user's device will be sent to other ends and others can see it		
9. Deploy the backend server automatically using Jenkins as the CI/CI deployment tool	Github version will be automatically deployed on Tencent cloud without manual interference	(In Progress)	P4
10. In chat page, a search box where user can search for chat history	A list contains matched chat from input text will be displayed	(Not finished)	P1

## **YB - Sprint 2 Performance Testing**

# 11th May | Sprint 2 Performance Testing

## Performance Testing

During the first test, we found the problems with our product in terms of product performance

P0

- The speed while creating new chat is quite slow
- The time taken for sending a message is a bit long
- User has to enter their username and password again for chat if they use the application for the first time
- The color of messages does not match with the rest of the application, but we cannot find corresponding .css file anywhere in the project to change it

P1

- Images take too long to be sent, and sometimes cannot be properly displayed

P2:

- Has to manually create new registered users in ChatEngine

Performance (Frontend)	The severity of the problem	Pass the test?	To-do-list
1. The speed while creating new chat is quite slow	P0		Fix it before 05/14
2. The time taken for sending a message is a bit long	P0		Fix it before 05/14
3. User has to enter their username and password again for chat if they use the application for the first time	P0		Fix it before 05/14
4. The color of messages does not match with the rest of the application, but we cannot find corresponding .css file to change it	P0		Fix it before 05/14
5. Images take too long to be sent, sometimes cannot be properly displayed	P1		Fix it before 05/14

Performance (Backend)	The severity of the problem	Pass the test?	To-do-list
1. Has to manually create new registered users in ChatEngine	P2		Fix it before 05/14

# 12th May | Sprint 2 Performance Testing

## Performance Testing

During the first test, we found the problems with our product in terms of product performance

P0

- The speed while creating new chat is quite slow
- The time taken for sending a message is a bit long
- User has to enter their username and password again for chat if they use the application for the first time
- The color of messages does not match with the rest of the application, but we cannot find corresponding .css file anywhere in the project to change it

P1

- Images take too long to be sent, and sometimes cannot be properly displayed

P2:

- Has to manually create new registered users in ChatEngine

Performance (Frontend)	The severity of the problem	Pass the test?	To-do-list
1. The speed while creating new chat is quite slow	P0		Fix it before 05/16
2. The time taken for sending a message is a bit long	P0		Fix it before 05/16
3. User has to enter their username and password again for chat if they use the application for the first time	P0		
4. The color of messages does not match with the rest of the application, but we cannot find corresponding .css file to change it	P0		Fix it before 05/16
5. Images take too long to be sent, sometimes cannot be properly displayed	P1		Fix it before 05/16

Performance (Backend)	The severity of the problem	Pass the test?	To-do-list
1. Has to manually create new registered users in ChatEngine	P2		

## **YB - Sprint 2 Stress Testing**

# 15th May | Sprint 2 Stress Testing

## Stress Testing for Sending New Messages

We use JMeter to simulate a user sending 5000 messages in a chat, to see if our server can withstand this amount of load.

API to make request to: [https://api.chatengine.io/chats/{{chat\\_id}}/messages/](https://api.chatengine.io/chats/{{chat_id}}/messages/)

HEADERS	VALUE
Project-ID	{{project_id}}
User-Name	{{user_name}}
User-Secret	{{user_secret}}

## Body

```
{  
    "text": "Hello world!",  
    "custom_json": {"gif": "https://giphy.com/clips/ufc-4eZuG5kNYvDrGc6gYk"}  
}
```

## JMeter Component Structure

- Sprint 2 Test Plan
    - Message Threads { Number of Threads: 5000, Ramp-up period (seconds): 1, Loop Count: 1 }
      - CSV Data Set Config { Filename: message.csv, Variable Names: MESSAGE }
      - Loop Controller
        - HTTP - Create Message { Body Data: Specified in body, Method: POST }
          - HTTP - Header Manager { Headers: Specified in HEADERS }
          - View Results Tree
          - Graph Results
          - Summary Report

## Success Rate

```
import pandas as pd

# Stress Testing for creating messages
df_message = pd.read_csv("./Message/Message-Report.csv")
msg_request_num = len(df_message)
print("Total number of request:", msg_request_num)
msg_code_list = df_message.responseCode.to_list()
valid_response = 0

for code in msg_code_list:
    if code == '201':
        valid_response += 1

print("Number of successful request:", valid_response)
print("Success rate:", valid_response/msg_request_num)
```

Total number of request: 4193

Number of successful request: 1945

Success rate: 46.39%

## Sample Message Report

TimeStamp	Elapsed	ResponseCode	ResponseMessage	ThreadName	Success	Bytes	SentBytes	GrpThreads	AllThreads	URL	Laten cy	IdleTi me	Conn ect
-----------	---------	--------------	-----------------	------------	---------	-------	-----------	------------	------------	-----	----------	-----------	----------

<a href="#">162122735</a>	9494	201	Created	User Threads 1-212	TRUE	1034	408	3665	3665	<a href="https://api.chatengine.io/chats/16729/messages/">https://api.chatengine.io/chats/16729/messages/</a>	9494	0	8
<a href="#">162122736</a>	5184	201	Created	User Threads 1-957	TRUE	1034	408	3684	3684	<a href="https://api.chatengine.io/chats/16729/messages/">https://api.chatengine.io/chats/16729/messages/</a>	5184	0	0
<a href="#">162122735</a>	9880	201	Created	User Threads 1-70	TRUE	1033	407	3701	3701	<a href="https://api.chatengine.io/chats/16729/messages/">https://api.chatengine.io/chats/16729/messages/</a>	9880	0	0
<a href="#">162122735</a>	9804	201	Created	User Threads 1-127	TRUE	1034	408	3708	3708	<a href="https://api.chatengine.io/chats/16729/messages/">https://api.chatengine.io/chats/16729/messages/</a>	9804	0	1
<a href="#">162122736</a>	5041	Non HTTP response code: <a href="#">javax.net.ssl.SSLException</a>	Non HTTP response message: Connection reset	User Threads 1-1050	FALSE	3724	0	3729	3729	<a href="https://api.chatengine.io/chats/16729/messages/">https://api.chatengine.io/chats/16729/messages/</a>	0	0	0
<a href="#">162122736</a>	5095	Non HTTP response code: <a href="#">javax.net.ssl.SSLException</a>	Non HTTP response message: Connection reset	User Threads 1-1022	FALSE	3724	0	3729	3729	<a href="https://api.chatengine.io/chats/16729/messages/">https://api.chatengine.io/chats/16729/messages/</a>	0	0	1

# 16th May | Sprint 2 Stress Testing

## Stress Testing for Creating New Chat Users

We use JMeter to simulate as many user registration as we can, to see if our server can withstand this amount of load.

Since our chat's server & database is different from main project, therefore, user registration is tested independently.

API to make request to: <https://api.chatengine.io/users/>

HEADERS	VALUE
PRIVATE-KEY	{{private_key}}

Body
{ "username": "test_user", "secret": "password" }

## JMeter Component Structure

- Sprint 2 Test Plan
  - Users Threads { Number of Threads: 2000, Ramp-up period (seconds): 1, Loop Count: 1 }
  - CSV Data Set Config { Filename: user.csv, Variable Names: USERNAME,PASSWORD }
  - Loop Controller
    - HTTP - Create User { Body Data: Specified in body, Method: POST }
    - HTTP - Header Manager { Headers: Specified in HEADERS }
    - View Results Tree
    - Graph Results
    - Summary Report

## Success Rate

```
# Stress Testing for creating new users
df_user = pd.read_csv("./User/User-Report.csv")
user_request_num = len(df_user)
print("Total number of request:", user_request_num)
user_code_list = df_user.responseCode.to_list()
valid_response = 0

for code in user_code_list:
    if code == '201':
        valid_response += 1

print("Number of successful request:", valid_response)
print("Success rate:", valid_response/user_request_num)
```

Total number of request: 2000

Number of successful request: 1995

Success rate: 99.75%

## Sample User Report

TimeStamp	Elapsed	ResponseCode	ResponseMessage	ThreadName	Success	Bytes	SentBytes	GrpThreads	AllThreads	URL	Latency	IdleTime	Connect
1621230179976	3527	201	Created	User Threads 1-49	TRUE	647	392	966	966	<a href="https://api.chatengine.io/users/">https://api.chatengine.io/users/</a>	3527	0	1
1621230179959	3586	201	Created	User Threads 1-40	TRUE	647	392	999	999	<a href="https://api.chatengine.io/users/">https://api.chatengine.io/users/</a>	3586	0	1
1621230180102	3462	500	Internal Server Error	User Threads 1-137	FALSE	574	394	1025	1025	<a href="https://api.chatengine.io/users/">https://api.chatengine.io/users/</a>	3462	0	1
1621230179960	4515	201	Created	User Threads 1-41	TRUE	647	392	1588	1588	<a href="https://api.chatengine.io/users/">https://api.chatengine.io/users/</a>	4515	0	2

1621230180003 | 4573 | 201 | Created | User Threads 1-68 | TRUE | 647 | 392 | 1659 | 1659 | <https://api.chatengine.io/users/> | 4573 | 0 | 2 |

# 17th May | Sprint 2 Stress Testing

## Stress Testing for Adding Users into Chat

We use JMeter to simulate adding as many users into chat as we can, to see if our server can withstand this amount of load.

API to make request to: [https://api.chatengine.io/chats/{{chat\\_id}}/people/](https://api.chatengine.io/chats/{{chat_id}}/people/)

HEADERS	VALUE
Project-ID	{{project_id}}
User-Name	{{user_name}}
User-Secret	{{user_secret}}

### Body

```
{  
    "username": "test_user_1"  
}
```

## JMeter Component Structure

- Sprint 2 Test Plan
  - Members Threads { Number of Threads: 2000, Ramp-up period (seconds): 1, Loop Count: 1 }
    - CSV Data Set Config { Filename: member.csv, Variable Names: USERNAME }
    - Loop Controller
      - HTTP - Add Member { Body Data: Specified in body, Method: POST }
        - HTTP - Header Manager { Headers: Specified in HEADERS }
        - View Results Tree
        - Graph Results
        - Summary Report

## Success Rate

```
# Stress Testing for add members in a chat  
df_member = pd.read_csv("./Member/Member-Report.csv")  
member_request_num = len(df_member)  
print("Total number of request:", member_request_num)  
member_code_list = df_member.responseCode.to_list()  
valid_response = 0  
  
for code in member_code_list:  
    if code == '201':  
        valid_response += 1  
  
print("Number of successful request:", valid_response)  
print("Success rate:", valid_response/member_request_num)
```

Total number of request: 2000

Number of successful request: 477

Success rate: 23.85%

## Sample User Report

TimeStamp	Elapsed	ResponseCode	ResponseMessage	ThreadName	Success	Bytes	SentBytes	GrpThreads	AllThreads	URL	Latency	IdleTime	Connect
1621232863944	11387	500	Internal Server Error	User Threads 1-68	FALSE	574	380	1914	1914	<a href="https://api.chatengine.io/chats/21968/people/">https://api.chatengine.io/chats/21968/people/</a>	11387	0	2
1621232864027	11304	500	Internal Server Error	User Threads 1-162	FALSE	574	381	1914	1914	<a href="https://api.chatengine.io/chats/21968/people/">https://api.chatengine.io/chats/21968/people/</a>	11304	0	1

1621232863954	11377	500	Internal Server Error	User Threads 1-77	FALSE	574	380	1914	1914	<a href="https://api.chatengine.io/chats/21968/people/">https://api.chatengine.io/chats/21968/people/</a>	11377	0	1
1621232864746	10610	201	Created	User Threads 1-781	TRUE	565	381	1911	1911	<a href="https://api.chatengine.io/chats/21968/people/">https://api.chatengine.io/chats/21968/people/</a>	10610	0	1
1621232865372	10165	201	Created	User Threads 1-1296	TRUE	565	382	1910	1910	<a href="https://api.chatengine.io/chats/21968/people/">https://api.chatengine.io/chats/21968/people/</a>	10165	0	1

## **YB - Sprint 2 User Acceptance Testing**

# 13th May | Sprint 2 Acceptance Testing

## Assumptions & Constraints

Assumptions
<ul style="list-style-type: none"><li>▪ <b>Test environment:</b> The test cases are conducted by 3 experienced IT students</li><li>▪ <b>Test documentation:</b> All test cases are documented within Confluence</li><li>▪ <b>Error Reporting:</b> Errors, failures and other flaws are reported directly to the development team</li></ul>
Constraints
<ul style="list-style-type: none"><li>▪ <b>Time frame:</b> Test results must be provided by 16th May 2021</li><li>▪ <b>Resources</b><ul style="list-style-type: none"><li>▪ <b>Human resources:</b> 3 testers available for 4 days</li><li>▪ <b>Provided hardware:</b> MacBook Pro, MacBook Air, Surface Laptop</li><li>▪ <b>Tested operating systems</b><ul style="list-style-type: none"><li>▪ OS X: 10.10, 10.11, 10.12, 10.13, 10.14</li><li>▪ Windows: 8, 8.1, 10</li><li>▪ Linux: Debian, Cent OS, Ubuntu</li></ul></li><li>▪ <b>Browsers</b><ul style="list-style-type: none"><li>▪ Firefox</li><li>▪ Chrome</li><li>▪ Edge</li><li>▪ Safari</li></ul></li></ul></li></ul>

## Risks

Description	Probability	Impact	Mitigation
Not properly trained testers	Low	Median	Arrange training sessions for testers
Incomplete test environment due to time constraints	Median	Median	Realistic time & resource planning
Error handling: testers are not aware of how to report bugs	Low	High	Arrange reporting session for testers

## Team Roles & Responsibilities

Name	Role	Responsibilities
Steven Wang	Tester	Testing on Windows
Ashley He	Tester	Testing on OS X
Fan Jia	Tester	Testing on Linux
Wenyu Xie	Scrum Master	Managing UAT test

## Entry Criteria

ID	Criteria
1	The development of planned features is fully completed
2	No high defects are reported
3	All reported bugs should be fixed
4	UAT test environment is ready
5	Testers are ready to start testing
6	UAT test plan is available

## Test Cases

ID	Test Cases
1	<p><b>Create a new chat</b></p> <ul style="list-style-type: none"> <li>■ Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>■ Log in with <ul style="list-style-type: none"> <li>▪ Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>▪ Password: By8853072\$</li> </ul> </li> <li>■ Click on "Chat" in menu bar</li> <li>■ Enter your password again if it's your first time logging in</li> <li>■ Click on "+" icon on the top left side, then enter the name for chat</li> <li>■ Hit "Enter/Return"</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>■ A new chat with the name which tester enters appears in "My Chats"</li> </ul>
2	<p><b>Add people into chat</b></p> <ul style="list-style-type: none"> <li>■ Visit: <a href="http://121.4.57.204:3000/">http://121.4.57.204:3000/</a></li> <li>■ Log in with <ul style="list-style-type: none"> <li>• Username: <a href="mailto:hotmail@com.cn">hotmail@com.cn</a></li> <li>• Password: By8853072\$</li> </ul> </li> <li>■ Click on "Chat" in menu bar</li> <li>■ Click on chat you just created</li> <li>■ Expand "People" located on the top right corner</li> <li>■ Click anywhere within "Type a username"</li> <li>■ Select users that you want to add into the chat</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>■ Selected user's avatar will appear under "People"</li> </ul>
3	<p><b>Send messages</b></p> <ul style="list-style-type: none"> <li>■ Make sure you are on "Chat" page</li> <li>■ Click on any chat you want to send message to</li> <li>■ At the bottom, type any text in "Send a message" chat box, then hit "Enter/Return"</li> <li>■ Click on image icon within chat box, select any images/videos on your device, then hit "Enter/Return"</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>■ Text/images/video that tester sent appears in chat field</li> </ul>
4	<p><b>Rename chat</b></p> <ul style="list-style-type: none"> <li>■ Make sure you are on "Chat" page</li> <li>■ Click on any chat you want to rename</li> <li>■ There is a white text box located right above "People", click on it</li> <li>■ Type in new name</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>■ Name of selected chat has been updated</li> </ul>
5	<p><b>Delete chat</b></p> <ul style="list-style-type: none"> <li>■ Make sure you are on "Chat" page</li> <li>■ Note: you can only delete chat that you initiated</li> <li>■ Click on any chat you want to delete</li> <li>■ On the right hand side, click on "Option"</li> <li>■ Click on "Delete"</li> </ul> <p><b>Expected result</b></p> <ul style="list-style-type: none"> <li>■ The chat tested selected has been deleted</li> </ul>

## Test Results

Test Case ID	Test Case	Result	Tested By	Tested Date

1	Create a new chat	Pass	Ashley He	2020/05/13
2	Add people into chat	Pass	Fan Jia	2020/05/13
3	Send messages	Pass	Steven Wang	2020/05/13
4	Rename chat	Pass	Steven Wang	2020/05/13
5	Delete chat	Pass	Steven Wang	2020/05/13

## Signature

Role	Name	Signature	Date
Scrum Master	Wenyu Xie		2020/05/13
Tester	Steven Wang		2020/05/13
Tester	Ashley He		2020/05/13
Tester	Fan Jia		2020/05/13

# YB - Project Deployment

## Background

---



This project is to further extend the web-based e-Portfolio system - **Microhard** developed by students from COMP30022.

This project mainly aims to optimize existing functions so that users can have a better experience while using them and expand new functions to achieve user's needs further in different scenarios.

The Github link is (<https://github.com/Alberyang/YoungBlood/> ).

The system mainly consists of the front-end, back-end, and database. The backend mainly uses java and NodeJS to build two services respectively, which provide the most important functions of the whole project. The MongoDB database is used as the persistent storage solution, and Redis is also used as the cache database to meet the high availability requirements. The front-end uses react and material UI frameworks, and the front-end is responsible for displaying the interface and calling the API provided by the back-end, as well as the chat service provided by the third-party service. In addition, the entire project uses git and Jenkins to build CI/CD, automate integration, testing, and deploy the project to the server.

## Install

---

This tutorial will describe the process of configuring the development environment for this application on your local computer. The project installation is divided into three parts, the first part is the base environment installation, the second part is the original project deployment, and the third part is the extended project deployment. This whole project uses NodeJS, npm, MongoDB Atlas, Java, Docker, etc. Go check them out if you don't have them locally installed.

### Base Environment Installation

#### NodeJS

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine.

Install Node.js and npm through this link (<https://nodejs.org/en/download/>)

#### npm

npm is the package manager for Node.js packages.

#### Maven

Maven is a build automation tool used primarily for Java projects.

Install Maven through this link (<https://maven.apache.org/>)

#### Java SE

JAVA SE provides the java development toolkit, and java runtime environment, etc.

Install JavaSE through this link (<https://www.oracle.com/hk/java/technologies/javase-downloads.html>)

#### Docker

Docker is an open platform for developing, shipping, and running applications.

Install Docker through this link (<https://www.docker.com/get-started>)

#### Jenkins

Jenkins is an independent open-source software project, is based on Java development of a continuous integration tool for monitoring continuous and repetitive work, designed to provide an open and easy to use software platform so that continuous integration of software becomes possible.

1. Pull the Jenkins image from the official repository.

```
docker pull jenkinsci/blueocean
```

2. Installing Jenkins with docker.

```
docker run -p 9000:8080 -p 50000:50000 -v jenkins_data:/var/jenkins_home jenkinsci/blueocean
```

3. Visiting the Jenkins from "http://localhost:9000/", setting up the administrator password.

```
http://localhost:9000
```

4. Configure the JDK and Maven environment variables matched with the current operating system.
5. Install the Maven Integration and Publish Over SSH plugins to the Jenkins.
6. Create the new Jenkins task and configuration.

a. git configuration

Repository URL: <your project git address>

Credentials: <your project git password>

Branches to build: <which branch you want to build>

b. build trigger configuration based on your situation

c. pre steps

Root Pom: pom.xml

Goals and options: clean install

d. post steps

Send build artifacts over SSH:

Name: YoungBlood-server

Source files: \*\*/YoungBlood-1.0-SNAPSHOT.jar

Remote Directory: /home/youngblood\_info/back-end/jenkins\_app/

Execute Commad:

```
rm -rf /home/youngblood_info/back-end/jenkins_old/YoungBlood-1.0-SNAPSHOT.jar'  
rm -rf /home/youngblood_info/back-end/jenkins_old/log.txt  
pid=`ps -ef | grep "YoungBlood-1.0-SNAPSHOT" | grep -v grep | awk '{print $2}'`  
kill -9 $pid  
echo "shutdown the project process: $pid"  
mv /home/youngblood_info/back-end/jenkins_app/YoungBlood-1.0-SNAPSHOT.jar /home/youngblood_info/back-end/  
jenkins_old/  
nohup java -jar /home/youngblood_info/back-end/jenkins_old/YoungBlood-1.0-SNAPSHOT.jar > log.txt &
```

7. Start to build your project.

## MongoDB(docker)

MongoDB is a source-available cross-platform document-oriented database program. The system will use docker to deploy this service, so please make sure the docker has been installed before installing MongoDB.

1. Pull the MongoDB image from the official repository.

```
docker pull mongodb
```

2. Modify the configuration file. Create a new configuration file called "mongod.conf", and copy the following code into this file.

```

# Database file storage location
dbpath =/data/db
# Log file storage location
logpath =/data/log/mongod.log
# Use append to write log
logappend =true
# Whether to run as a daemon
# fork =true
# All ips can be accessed during the development stage, and need to be modified to the designated ip to access during the process stage
bind_ip =0.0.0.0
# Set the port number
port =27017
# Whether to enable authentication
auth =true
# Set the size of oplog (MB)
logSize=2048
# Turn on password authorization
security.authorization=enabled

```

### 3. Execution of commands.

```
docker run --name mongodb-new -v /home/mongodb/data:/data/db -v /home/mongodb/conf/mongod.conf:/data/configdb/mongod.conf -p 27017:27017 -d mongo --auth
```

4. Check connection and data by using the MongoDBCompass tool.
5. Modify the configuration file in Springboot.

```

spring:
  data:
    mongodb:
      uri: mongodb://<username>:<password>@<server host address>:27017
      database: micro
      authentication-database: admin

```

## Redis(docker)

Redis is an in-memory data structure store, used as a distributed, in-memory key-value database, cache and message broker, with optional durability. The system will use docker to deploy this service, so please make sure the docker has been installed before installing Redis.

1. Pull the Redis image.

```
docker pull redis
```

2. Modify the configuration file.
  - a. copy the default configuration file and modify it on this basis. The link is (<https://raw.githubusercontent.com/antirez/redis/4.0/redis.conf>);
  - b. create a Redis file directory on the host containing conf and data, and bring in the configuration file;
  - c. modify "appendonly" to yes to enable Redis persistence;
  - d. default "daemonize=no" to start Redis in non-backend mode;
  - e. turn on "protected-mode" yes;
  - f. default port mapping 6379;
  - g. change the password after requirepass to a strong password;
3. Execution of commands.

```
docker run -p 6379:6379 --name redis-dev -v /home/docker/redis/conf/redis.conf:/etc/redis/redis.conf -v /home/docker/redis/data:/data -d redis redis-server /etc/redis/redis.conf
```

4. Check connection by using the "redisdesktop" administration tool to test if you can connect properly.
5. Modify the configuration file in Springboot.

```

spring:
  redis:
    host: <address>
    port: 6379 <it should be same with corresponding Redis server's port>
    timeout: 20000 <it could be changed according to your project requirement>

```

```
password: <password>
```

6. Enable docker service to restart containers automatically after restart

```
docker update --restart=always <CONTAINER ID>
```

## The original project installation

### Packages

Once all the prerequisites have been satisfied, we can focus on the two packages: one for the client-side (`/client`) and another for the server-side (`/server`). These two packages have its own `package.json` files that stores their own dependencies.

- **Client packages:** this package is focused on frontend development. To install the dependencies, make sure to `cd` to the `client` directory before `npm install`.
- **Backend packages:** this package keeps all its necessary files in the root directory and the `server` directory. To install the necessary dependencies, we can `npm install` them to the root directory.

### Package Installation

1. Open the terminal window, from the root folder

```
> npm install  
> cd client  
> npm install
```

2. Copy contents of `.env.example` and put it in a file called `.env` in both main folder and client folder

3. Up to this point, this should be sufficient enough to run the local development environment. Open a new terminal and type in the following command.

```
> npm run dev
```

## Setting up the environmental variables

This `.env` configuration is located in the root directory:

```
NODE_ENV= <development | production>  
DATABASE="mongodb+srv://<your account: your password >@<mongodb server address>/micro?  
retryWrites=true&w=majority"  
SECRET= <your JWT secret>  
SENDGRID_API_KEY= <your sendgrid api key>  
FROM_EMAIL= <email from address>
```

This particular `.env` configuration should be located in the client directory:

```
REACT_APP_API_ENDPOINT = <path to react api endpoint>  
API_MIDDLEWARE = <path to api middleware>
```

## The extended project installation

1. Download the "src" file from the source code and modify the configuration file called "application.yml" in the resources folder. Here you could configure the server port, the parameters related to the post hotness mechanism, the database.

```
server:  
  port: 8080 # Modify the server port  
  
heatinfo:  
  view_weight: 1 # Configure the weight value of the view count parameter  
  review_weight: 4 # Configure the weight value of the comment count parameter  
  thumb_weight: 2 # Configure the weight value of the number of likes parameter  
  ucb_valueA: 10 # Configure the hotness weight value for new posts  
  ucb_valueB: 15 # The default value is recommended
```

```

return_nums: 10 # Number of posts returned to the front-end in one request
userId_outtime: 30 # Configure how long each user's browsing history is kept in Redis,
in minutes
snapshot_del_time: 3600000 # Configure the deletion period of the data in the snapshot
table, the default is to delete the data before 3 hours, in milliseconds

spring:
  data:
    mongodb:
      uri: mongodb://<username>:<password>@<server host address>:27017
      database: micro
      authentication-database: admin
    redis:
      host: <server address>
      port: 6379
      timeout: 20000
      password: <password>

```

2. Use the Maven package tool to generate a jar package, and run this jar package. Run the command as follows.

```
nohup java -jar YoungBlood-1.0-SNAPSHOT.jar > log.txt &
```

3. If you want to restart the project, you need to clear the previous project first, run the following command.

```
netstat -nlp|grep 8080
kill -9 <processId>
```

4. Check if the server starts properly by checking the log files in "log.txt"

## Usage

After the project is launched, you can view the project page by entering the home page and start using all the functions by registering your user identity and logging into the project.

```
http://<server-host-address>:<port>
```

Our project demo has been deployed on the Tencent Cloud, so you can view it by using the following website link.

```
http://121.4.57.204:3000/
```

```
Test login email: hotmail@com.cn
Test password: By8853072$
```

## Restful API

The original project API can be accessed through this link (<https://github.com/Taylorrrr/COMP30022-Microhard>).

CORE FUNCTIONALITY	Request Method	Param	ParamType	PATH	PURPOSE
Moments	/info/{userId}	isRefresh	boolean	GET	Get moments with a high heat value
Moments	/info/detail/{momentId}			GET	Get one moment by using moment id
Moments	/info/{userId}	contents files(optional)	String File	POST	Post a new moment with userId
Moments	/info/{userId}			DELETE	Delete a moment by using user id
Moments-review	/info/review/{momentId}/{page}/{limit}	page limit	String String	GET	Get all reviews about the moment
Moments-review	/info/review/{momentId}/{userId}	contents	String	POST	Post a new review to the moment
Moments-review	/info/review/{reviewId}			DELETE	Delete a review according to the review id
Moments-share	/info/share/{userId}	contents	String	POST	Share a moment with userId and content

		momentId	String		
Moments-like	/info/like/{userId}/{momentId}			POST	Like a moment by user
Moments-like	/info/dislike/{userId}/{momentId}			POST	Dislike a moment by user
Moments-like	/info/likelog/{userId}/{page}/{limit}	page	String	GET	Get the moment the user has liked
		limit	String		
Moments-like	/info/likeornot/{userId}/{momentId}			GET	Check whether the user likes or not the moment

## Chat API

The full API can be found here: <https://chatengine.io/docs/functions>

### Get Chats

```
import { getChats } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const callback = (chats) => console.log(chats)

getChats(authObject, callback)
```

### Get or Create Chat

```
import { getOrCreateChat } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const chat = {"usernames": ["Adam_La_Morre", "Jane_Smith"]};
const callback = (chat) => console.log(chat)

getOrCreateChat(authObject, chat, callback)
```

### New Chat

```
import { newChat } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const chatObject = {'title': 'New Chat Title'}
const callback = (data) => console.log(data)

newChat(authObject, chatObject, callback)
```

### Get Chat

```
import { getChats } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const chatID = 10913
const callback = (chat) => console.log(chat)

getChat(authObject, chatID, callback)
```

### Delete Chat

```
import { deleteChat } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const chatID = 1
const callback = (data) => console.log(data)

deleteChat(authObject, chatID, callback)
```

### Get Messages

```
import { getMessages } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const chatID = 1
const callback = (chatID, data) => console.log(chatID, data)

getMessages(authObject, chatID, callback)
```

### Send Message

```
import { sendMessage } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const chatID = 1
const messageObject = {'text': 'Hello world!'}
const callback = (data) => console.log(data)

sendMessage(authObject, chatID, messageObject, callback)
```

### Get Message

```
import { getMessage } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const chatID = 15410
const messageId = 102536
const callback = (chatID, message) => console.log(chatID, message)

getMessages(authObject, chatID, messageId, callback)
```

### Read Message

```
import { readMessage } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const chatID = 1
const messageID = 3
const callback = (data) => console.log(data)

sendMessage(authObject, chatID, messageID, callback)
```

## Invite Person

```
import { addPerson } from 'react-chat-engine';

const authObject = {'Project-ID': '0000-00-00-0000', 'User-Name': 'adam', 'User-Secret': 'pass1234'}
const chatID = 1
const username = 'adam'
const callback = (chatID, data) => console.log(chatID, data)

addPerson(authObject, chatID, username, callback)
```

## MongoDB Schemas

The original project MongoDB Schemas can be accessed through this link (<https://github.com/Taylorrrr/COMP30022-Microhard>).

### Schema

```
User {
  `ID`: User ID;
  `Username`: Name of user;
  `Email`: Email address;
  `Headline`: Short description of user;
  `Image`: Profile picture;
  `Password`: Secure authentication;
  `Lastname`: Lastname of user;
  `Firstname`: Firstname of user;
  `Major`: Major of user;
  `aboutSection`: About Me section;
  `Location`: Where the user is based in at the current time;
  `Website`: (Optional) Website contact;
  `Linkedin`: (Optional) Linkedin contact;
}

Image {
  `fileId`: Image ID;
  `user`: Ownership of images;
}

Pdf {
  `fileId`: Pdf ID;
  `user`: Ownership of pdfs;
}

Project {
  `projectId`: Project ID;
  `user`: Ownership of pdfs;
  `name`: Project's name;
  `description`: Project's description;
  `status`: Project's progress-status (In Progress/Complete/Cancel);
  `show_status`: Project's show-status (Public/Private);
  `contributors`: List of contributors;
  `skills`: List of skills tag that relevant to the project;
  `rating`: Number of people give like to the project;
  `process`: The process list will describing the project' progression and tasks involved, consist of ProcessId, process's description and tasks list (nodes);
  `nodes`: The tasks list belong to certain process, consist of NodeId and description;
  `timeline`: The timeline listed down important events of project;
}

Experience {
  `experienceID`: Experience ID
  `user`: Ownership of experiences
  `start_date`: When the experience was started
  `end_date`: When the experience was ended
  `position`: Users position in the experience
  `company`: The company of the experience
```

```

'description': Experience description
'state': Experience's status (On going/End)
}

Course {
'user': Ownership of course
'code': Course code
'name': Name of the course
'description': Course description
'state': Course's status (Finished/On Going/Planned)
'grades': Course grade
'link': Link to course handbook
'year': Year course taken
'sem': Semester course taken
'score': Rating of course
}

Info {
'contents': Content of info
'images': Array of images of the post
'username': User who posts
'user': ID of current user
'thumbs': Number of likes
'views': Number of views
'reviews': Number of reviews
}

Info_heat {
'heat': Level of heat of the post
'infoId': ID of that info
}

Info_snapshot {
'info': Object of info
'oriInfoId': ID of that info object
}

Review {
'content': Content of review
'user': owner of the current review
'infoId': ID of that info
}

```

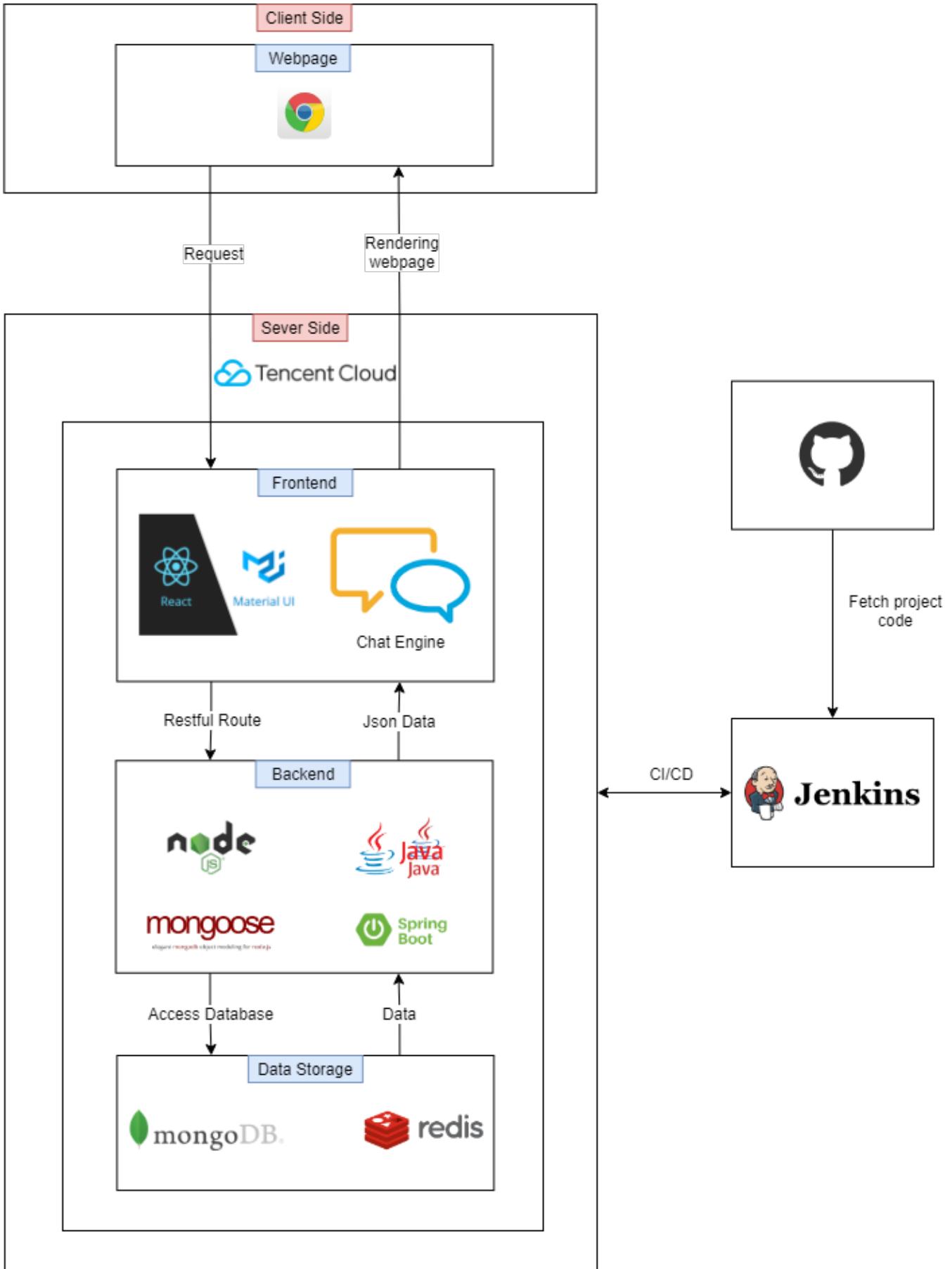
## Branches and Changelog

Commit Time	Commit Code	User Story ID	User Story
1-Apr-21	7099d8c82088bd275a5f124c33fd92ed de7eeebf	22	As a user, I want to publish my tweets including interesting emojis.
6-Apr-21	85f77c217f6402b90412eabdf2f0d18d9f 1a05aa	2	As a user, I want to like the tweets of the official account.
6-Apr-21	85f77c217f6402b90412eabdf2f0d18d9f 1a05aa	3	As a user, I want to cancel the like of the tweets of the official account.
6-Apr-21	85f77c217f6402b90412eabdf2f0d18d9f 1a05aa	10	As a user, I want to like the tweets of a non-official account (individual person's tweets).
6-Apr-21	85f77c217f6402b90412eabdf2f0d18d9f 1a05aa	11	As a user, I want to cancel the like of the tweets of a non-official account (individual person's tweets).
7-Apr-21	429848838d27d6f0fb1665ac78f4c2276 c42d302	4	As a user, I want to comment on the tweets of the official account.
7-Apr-21	429848838d27d6f0fb1665ac78f4c2276 c42d302	12	As a user, I want to comment on the tweets of a non-official account (individual person's tweets).
7-Apr-21	429848838d27d6f0fb1665ac78f4c2276 c42d302	18	As a user, I want to publish my plain-text tweets.
7-Apr-21	429848838d27d6f0fb1665ac78f4c2276	19	As a user, I want to publish my picture tweets.

	c42d302			
7-Apr-21	429848838d27d6f0fb1665ac78f4c2276 c42d302	20	As a user, I want to publish my tweets including plain text and pictures.	
9-Apr-21	896c7846b006115ac30045da02001f53 8a95cd7f	1	As a user, I want to browse the tweets of the official account.	
9-Apr-21	896c7846b006115ac30045da02001f53 8a95cd7f	5	As a user, I want to delete my comment	
9-Apr-21	896c7846b006115ac30045da02001f53 8a95cd7f	9	As a user, I want to browse the tweets of a non-official account (individual person's tweets).	
9-Apr-21	896c7846b006115ac30045da02001f53 8a95cd7f	13	As a user, I want to delete my comment	
9-Apr-21	896c7846b006115ac30045da02001f53 8a95cd7f	21	As a user, after I having selected the pics I do not want to upload, I want to delete those pics before I posting these tweets.	
9-Apr-21	896c7846b006115ac30045da02001f53 8a95cd7f	23	As a user, I want to delete my tweets	
19-Apr-21	5a2f45cb700e7dafbf0543ed278337da6 53bb7b7	6	As a user, I want to share the tweets of the official account.	
19-Apr-21	5a2f45cb700e7dafbf0543ed278337da6 53bb7b7	7	As a user, I want to delete my sharing of the tweets of the official account.	
19-Apr-21	5a2f45cb700e7dafbf0543ed278337da6 53bb7b7	8	As a user, I want to share the tweets of my following person to a Third-party platform (Facebook /Wechat, etc).	
19-Apr-21	5a2f45cb700e7dafbf0543ed278337da6 53bb7b7	15	As a user, I want to share the tweets of a non-official account (individual person's tweets).	
19-Apr-21	5a2f45cb700e7dafbf0543ed278337da6 53bb7b7	16	As a user, I want to delete my sharing of the tweets of a non-official account (individual person's tweets).	
19-Apr-21	5a2f45cb700e7dafbf0543ed278337da6 53bb7b7	17	As a user, I want to share the tweets of a non-following person to a Third-party platform (Facebook /Wechat, etc).	

## System Architecture

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# Maintainers

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Name	Email	Role	High-Level Responsibilities
Wentao Hao	<a href="mailto:haowh@student.unimelb.edu.au">haowh@student.unimelb.edu.au</a>	Backend Developer	<ul style="list-style-type: none"><li>• API generation</li><li>• Backend logic design</li><li>• Documentation</li></ul>
Yuyang Wang	<a href="mailto:yuyawang@student.unimelb.edu.au">yuyawang@student.unimelb.edu.au</a>	Backend Developer	<ul style="list-style-type: none"><li>• Database design</li><li>• API generation</li><li>• Backend logic design</li></ul>
Wenyu Xie	<a href="mailto:xiwx@student.unimelb.edu.au">xiwx@student.unimelb.edu.au</a>	Scrum master	<ul style="list-style-type: none"><li>• Designing product architecture and function</li><li>• Designing UE and UI</li><li>• Documentation</li><li>• Frontend programming</li></ul>
Yichao Xu	<a href="mailto:yichaox@student.unimelb.edu.au">yichaox@student.unimelb.edu.au</a>	Frontend Developer	<ul style="list-style-type: none"><li>• Designing UI and adding new features</li><li>• Frontend programming</li><li>• Documentation</li></ul>
Tianyi Zheng	<a href="mailto:zhetz@student.unimelb.edu.au">zhetz@student.unimelb.edu.au</a>	Backend Developer	<ul style="list-style-type: none"><li>• Database design</li><li>• Backend developing</li><li>• Arrange tasks based on user stories</li></ul>

# License

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All rights reserved to program participants and the University of Melbourne.

# YB - Release

This contains all the release history of the project and can be accessed directly from the link to the Github page.

Sprint 1 Release:

[COMP90082\\_2021\\_RLSE\\_UG\\_v1.0](#)

[COMP90082\\_2021\\_RLSE\\_UG\\_v1.1](#)

Sprint 2 Release:

Final Version: [COMP90082\\_2021\\_RLSE\\_UG\\_v2.0](#)

**Bin**

# 0412Test Report #1Sprint One

## Report Sum up

As of March 25, one round of testing of the Sprint 1 project has ended.

Tomorrow's plan: compatibility testing. Estimated time 2 days

Bug: 13 bugs were foundunresolved 0P1P2-unresolved0

## 1 Test Planning

Requirement wiki

Test Planning table

	4.5	4.6	4.7	4.8	4.9	4.10
Sprint 1 for information flow and dashboard	function test 20%	function test 40%	function test 60%	function test 80%	function test 100%	Back-end ready for push@yuyang @tianyi Front-end ready for push@yichao @wentao

Test case wiki

Project scheduling wiki

## 2 Current risk points and follow-up persons

	Current Risk	Risk degree	Proposer	Risk - Follower	Solutionfilled by follower
1	cannot log infor example	P0most serious	@wenyu	@wentao	

## 3 Test progress

For Information Flow in Sprint 1

Requirements	Technical director	Test director	Test date	Test progress	Test progress of the day	Test planning of the day + 1	Current Bugs
Information flow	@wentao@yuyang	@wenyu	4.1	70%	Complete the core path test verification.	compatibility test	<ul style="list-style-type: none"><li>• Bugs9</li><li>• To be solved5P1 + P21</li><li>• To be verified2</li></ul>

## **0518 | Sprint 1 Stree Test**

# Stress Testing for Sharing a Moment

We use JMeter to simulate a user share a moment 1500 times to see if our server can withstand this amount of load.

API to make request to: **121.4.57.204:8080/info/share/{userId}** via POST

Parameter	Value
infold	6075ae4dc7280e2ae90de21b
userId	606c453064ad461348e31a23
content	this is a test share

## JMeter Component Structure

- Sprint 1 Test Plan
    - Message Threads { Number of Threads: 1500, Ramp-up period (seconds): 1, Loop Count: 1 }
    - Loop Controller
      - HTTP POST Review { Parameters: specified above, Method: POST }
        - View Results Tree
        - Graph Results
        - Summary Report

## Success Rate

Total number of request:

Number of successful requests:

Success rate: %

Min Response Time: ms

Max Response Time: ms

Average Response Time: ms

Throughput: /sec

Average Byte:

## Graph Results

## Sample Message Report

# **Client-Meeting**

Date & Time:2021-3-11

Location:

Attendees:

Items discussed:

Item	Decision

Agreement:

## **Design work**

# **migration ->**

YB - Sprint 1 Test Report

**migration**

**wiki migration**

# Sprint-Planning

## Meeting Minutes

Date & Time:2021-3-11

Location:

Attendees:

Items discussed:

Item	Decision

Agreement:

# Sprint-Retrospective

Date & Time:2021-3-11

Location:

Attendees:

Items discussed:

Item	Decision

Agreement:


# Sprint-Review

Date & Time:2021-3-11

Location:

Attendees:

Items discussed:

Item	Decision

Agreement:

# Test Design —— dashboard

## 1 Test planning

We want to test the information flow function

## 2 Test goals

Verify that the functions involved in the requirements document are correctly implemented and user needs are met

Verify that different versions of the browser need to meet the online standards: no major and above bugs (Bugs above P2)

## 3 Test Strategies

### Function test

Ensure that the function points in the requirements document are accurately implemented and Ensure that the function point test for inherent requirements passes

### Performance Testing

When the inserted content reaches the upper limit, the details page is displayed normally

## 4 Test cases

Function	Desired result	image	Did it pass the test?
1.1. Publish a new post.	yes, users can publish a new post in our square page	/	
1.2. Like a post.	No, users cannot like a post	/	

User experience beyond developer	Desired result	image	Did it pass the test?
1.1. Publish a new post.	yes, users can publish a new post on our square page	/	
1.2. Like a post.	No, users cannot like a post	/	

# Group: Perfect World

The main page for Perfect World



Welcome to your new space!

Confluence spaces are great for sharing content and news with your team. This is your home page. Right now it shows recent space activity, but you can customize this page in any way you like.

## Complete these tasks to get started

- Edit this home page** - Click *Edit* in the top right of this screen to customize your Space home page
- Create your first page** - Click the *Create* button in the header to get started
- Brand your Space** - Click *Configure Sidebar* in the left panel to update space details and logo
- Set permissions** - Click *Space Tools* in the left sidebar to update permissions and give others access

## Recent space activity



**CHENGYU ZHANG**

System Test and User Acceptance Test 20 •



**Jingjin Li**

UI changes 2 •



**CHENGYU ZHANG**

Handover 7:56

Sprint 2 test 5:23 •

Sprint 2 Test Cases 26 , 2021 •

## Space contributors

- **YANGFAN XU** (1)
- **Duc Trung Nguyen** (3)
- **Changhai Ren** (3)
- **Jiaqi Ao** (7)
- **Jiawei Ren** (7)
- ...

# PW - Project Overview

This project is to further develop an **ePortfolio system** built by team **Pure & Lazy** in COMP30022 last semester. Our team decided to use the agile model to organize teamwork. The tools we try to use are **Slack** for daily communication, **Trello** to distribute workload, **Zoom** to hold meetings, **Github** to store code and **Confluence** to record documents. This project will be implemented from **29th March** to **22nd May** and the whole time is split into 2 sprints, each sprint is 4 weeks long. After we finish this project, we will demonstrate it to our supervisor.

All my team members will act as clients since there are no external clients in the UG project. The features we decide to extend is in the list below.

- Get, Add, Update, and Delete functions for Resume page, Academic page, even page and Fun fact page
- Replace the previous home page into Resume page
- Redesign UI and Adding more functions based on the previous code
- Implement the website into the cloud
- Reorganise the previous code structure to make this project easier to understand and develop for the next team
- Allow users to share the website with content on social networking such as Twitter, Facebook and LinkedIn
- Allow users to add more personal information on the About Me page
- Update unit tests for new APIs
- Add Redux or MobX store to share information between components

## Architectural Design && Class Diagram && Sequence Diagram

[PW- Architectural Design && Class Diagram && Sequence Diagram](#)

## Roles and Responsibilities

[PW - Roles and Responsibilities](#)

## User Stories

[PW - User Stories](#)

## Timeline

[PW - Timeline](#)

## Motivation Model

[PW - Motivational Modelling](#)

## Workflow

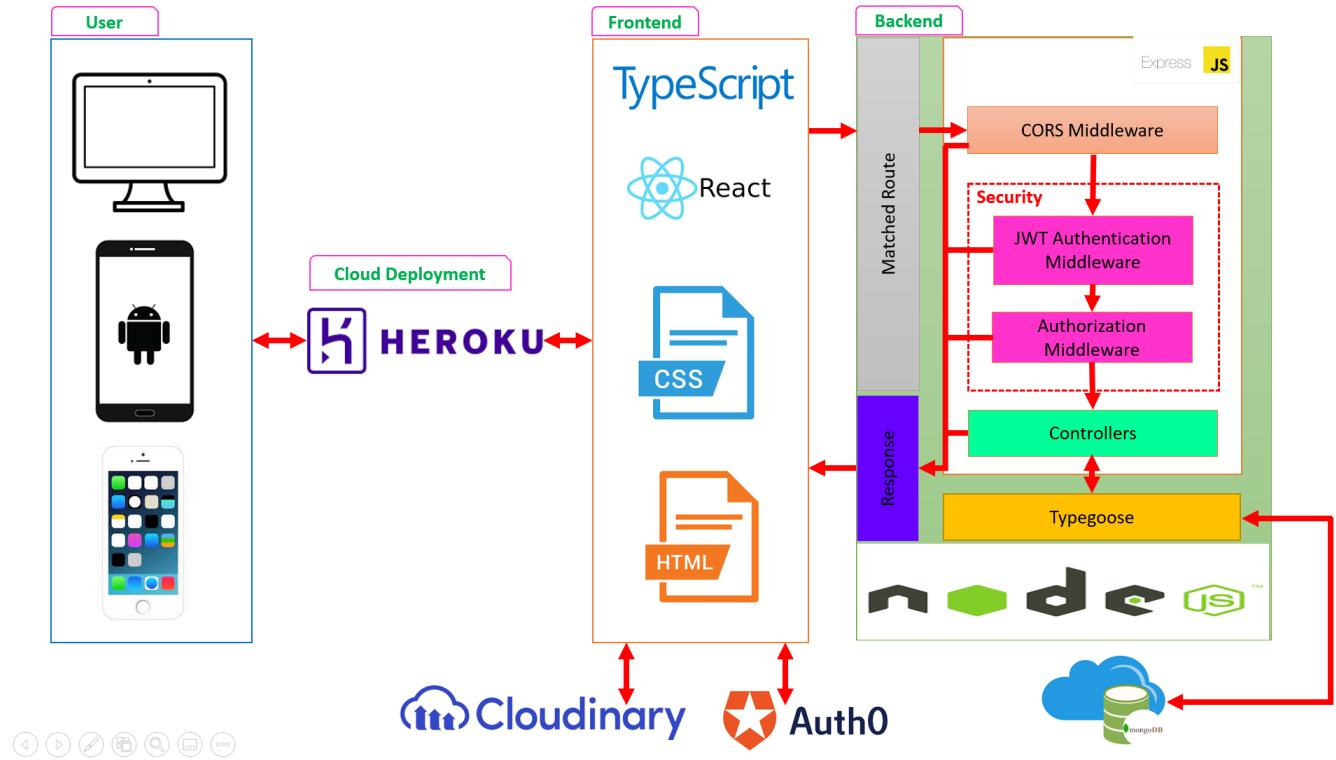
1. During the sprint planning meeting, figure out the dependencies among team members' task.
2. Team members with dependencies will discuss how they corporate by small zoom meeting or slack
3. Everyone post their work in Trello based on the agile model
4. Everyone codes their own tasks and push code to Github based on [GIT Workflow](#).
5. If there are bugs in your tasks and you cannot fix them, post in the "Bug to be fixed" section in Trello
6. During the sprint process, if there are things that need corporate with others, post on slack immediately
7. In the last week of each sprint, merge everyone's work, test and fix bugs
8. After passing the test, merge into the main branch.

## Github Link

Github link: <https://github.com/trundn/COMP90082-Assignment.git>

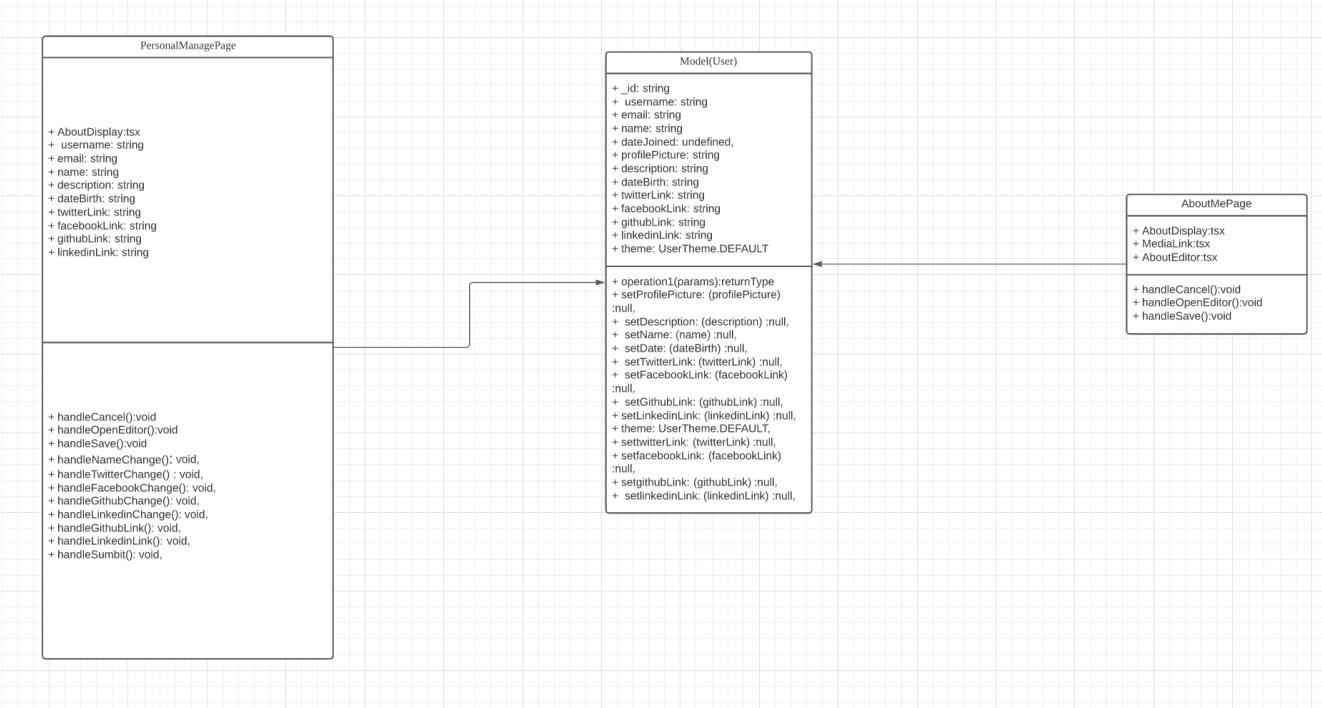
# PW- Architectural Design && Class Diagram && Sequence Diagram

## Architectural Design

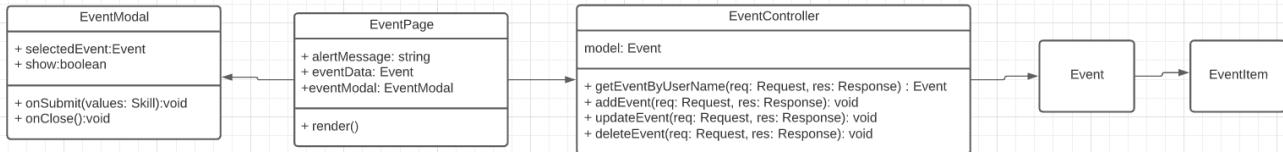


## Class Diagram

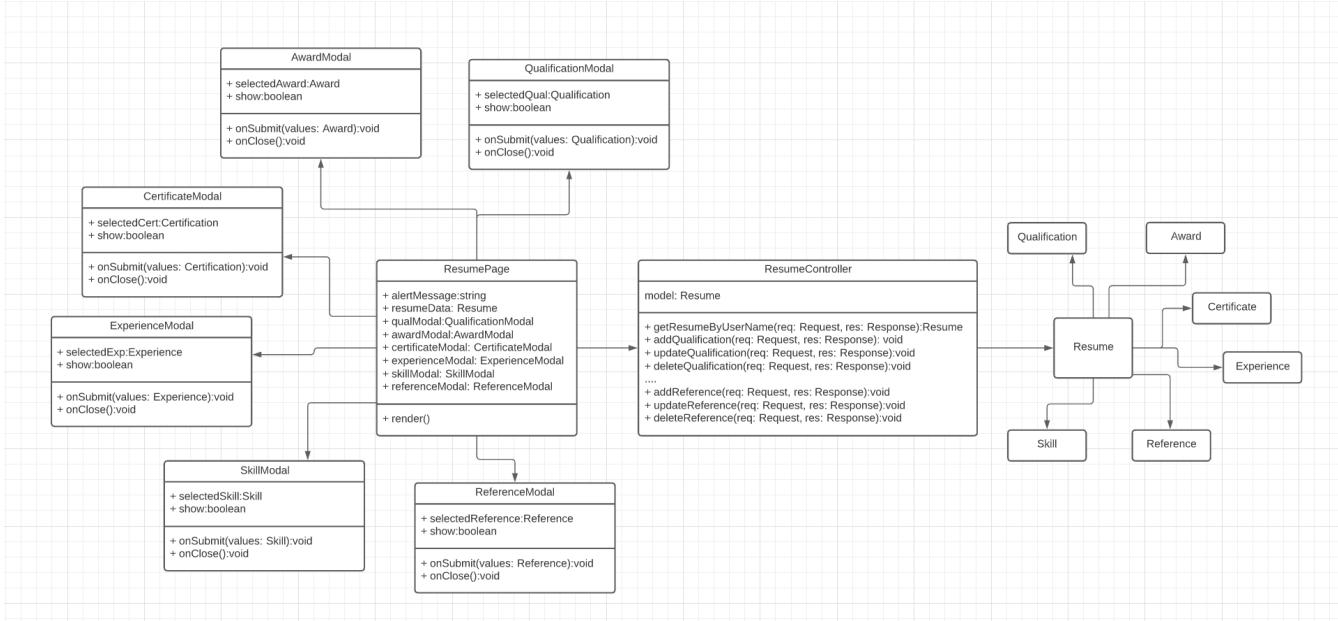
Personal Manage Page Class Diagram



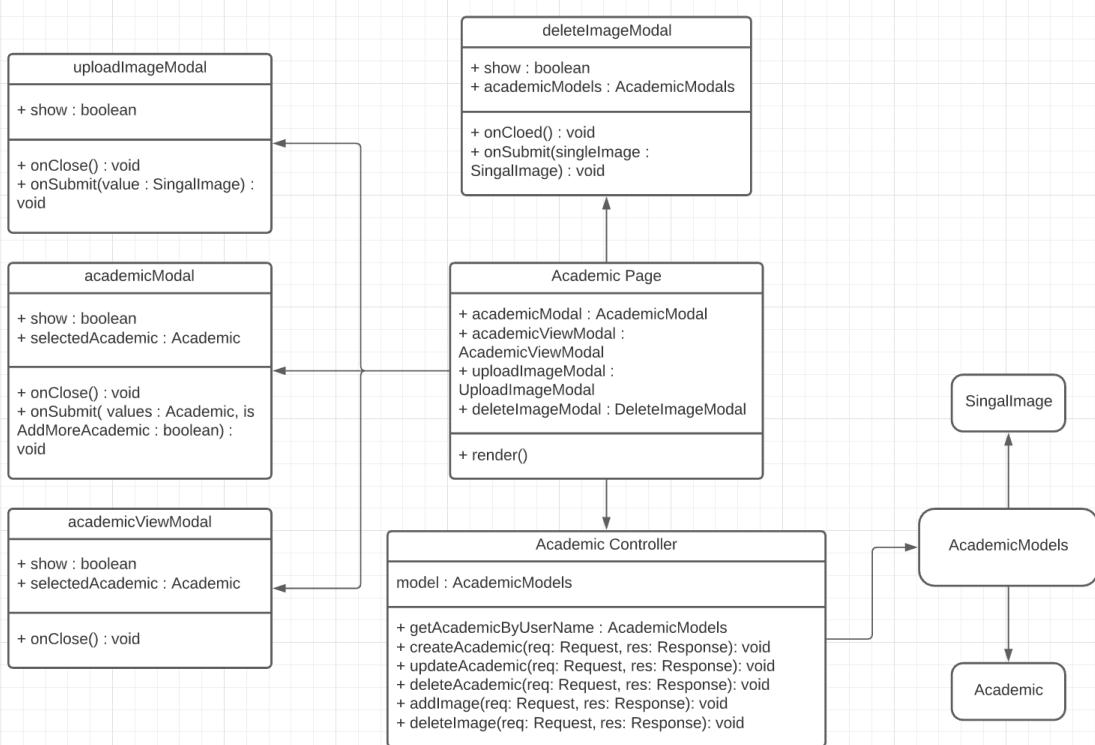
## Event Page Class Diagram



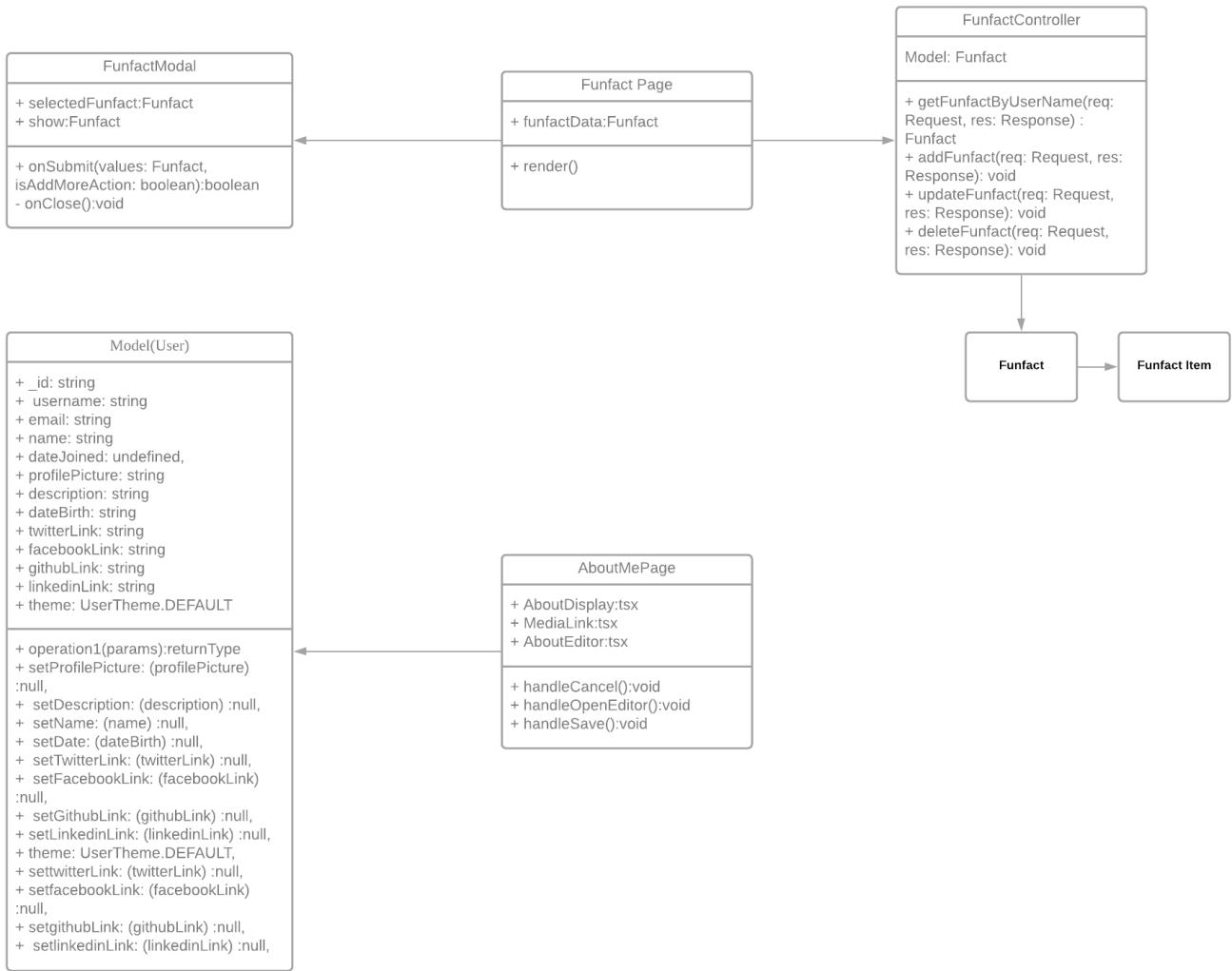
## Resume Page Class Diagram



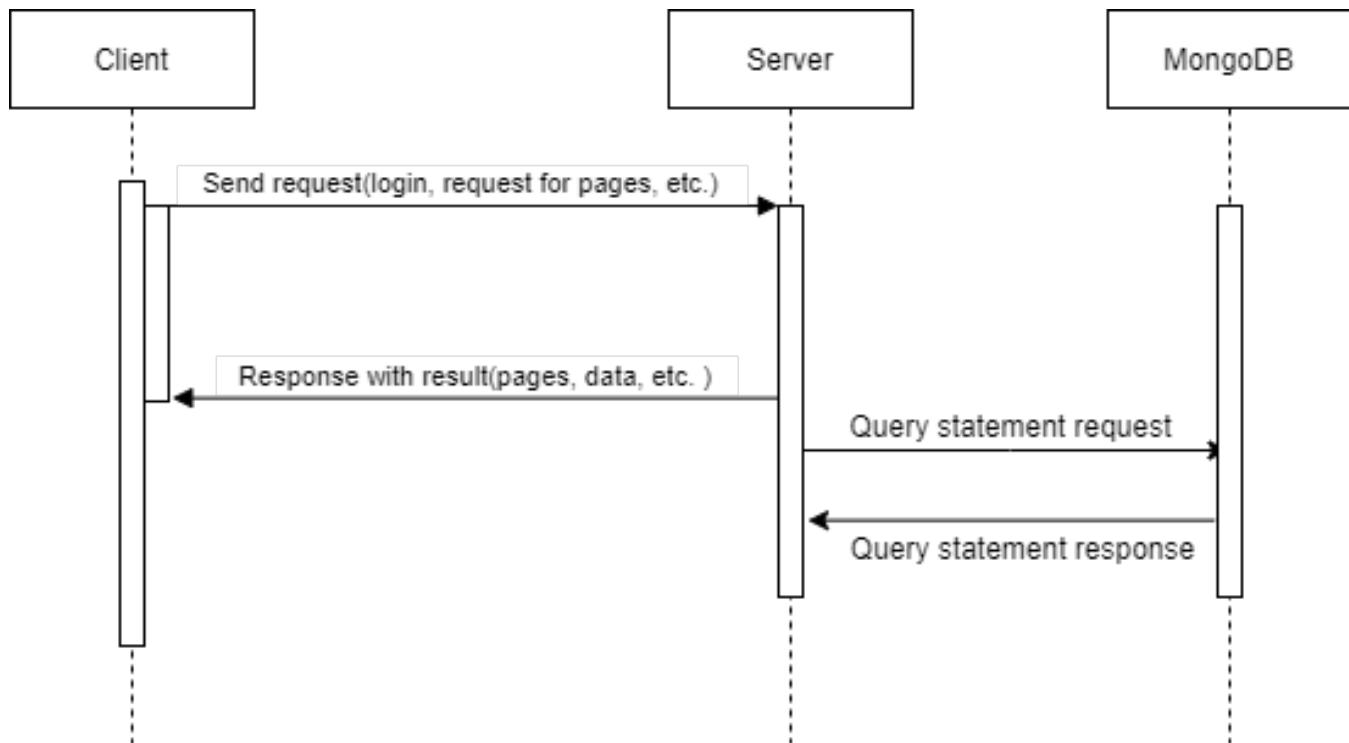
Academic Page Class Diagram



Funfact Page Class Diagram



## Sequence Diagram



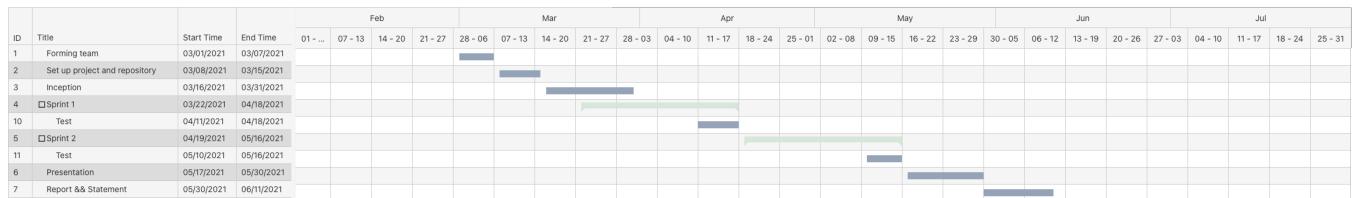
# PW - Roles and Responsibilities

Team name: Perfect World

Name	Email	Roles	Responsibilities
YANGFAN XU	yangfanx1@student.unimelb.edu.au	Scrum Master Full-Stack Developer	<ul style="list-style-type: none"><li>• Holding meetings</li><li>• Team Coordinator</li><li>• Design Website UI</li><li>• Add new features</li><li>• Front-end programming</li><li>• Back-end programming</li><li>• Documentation</li></ul>
Duc Trung Nguyen	ductrungn@student.unimelb.edu.au	Architecture Leader Full-Stack Developer	<ul style="list-style-type: none"><li>• Design UI</li><li>• Design software architect</li><li>• Do frontend tasks</li><li>• Do backend tasks</li><li>• Perform tests</li><li>• Fix bugs</li><li>• Write unit tests</li><li>• Review source code</li><li>• Make documents</li></ul>
Changhai Ren	changhair@student.unimelb.edu.au	Deployment Leader Full-Stack Developer	<ul style="list-style-type: none"><li>• Design Website UI</li><li>• Add new features</li><li>• Front-end programming</li><li>• Back-end programming</li><li>• Documentation</li></ul>
Jiaqi Ao	aoj@student.unimelb.edu.au	Quality Manager Full-Stack Developer	<ul style="list-style-type: none"><li>• Design UI</li><li>• Do frontend tasks</li><li>• Do backend tasks</li><li>• Fix bugs</li><li>• Write unit tests</li><li>• Review source code</li><li>• Make documents</li></ul>
Jiawei Ren	jiaweir1@student.unimelb.edu.au	Full-Stack Developer	<ul style="list-style-type: none"><li>• Design Website UI</li><li>• Front-end programming</li><li>• Back-end programming</li><li>• Documentation</li><li>• Fix bugs</li><li>• Write unit tests</li><li>• Review source code</li></ul>

# PW - Timeline

## Project Planing



## Sprint 0

### Week01

First, our team members decide to read the reports and code of these ePortfolios. Then choose one that you want to extend and think about the advantages and disadvantages of this platform. Finally, we discuss our choices and choose one ePortfolio that everyone is happy to extend in week 2. Since we just group the team, no official meeting minutes for the first meeting.

Written by: [YANGFAN XU](#)

### Week02

We choose the ePortfolio we decide to extend from Pure && Lazy and DewIT. Finally, Trung persuade us to extend Pure && Lazy. We also make some rules(list in week2 meeting minutes) to guarantee our team can work effectively and efficiently.

Written by: [YANGFAN XU](#)

### Week03

We confirm all team members joined the confluence space and allocated the host who records the meeting. Reading the previous project report.

Written By: [Changhai Ren](#)

### Week04

We discussed the tasks that each person needed to complete, the corresponding UI design, and proposed a plan for the next task.

Written By: [Jiaqi Ao](#)

### Week05

We discussed the inception tings, the reorganize code structure and weekly plan. Changhai and jiaqi will finish test plan and build and deployment process before the end of sprint2. All team members will start code this week.

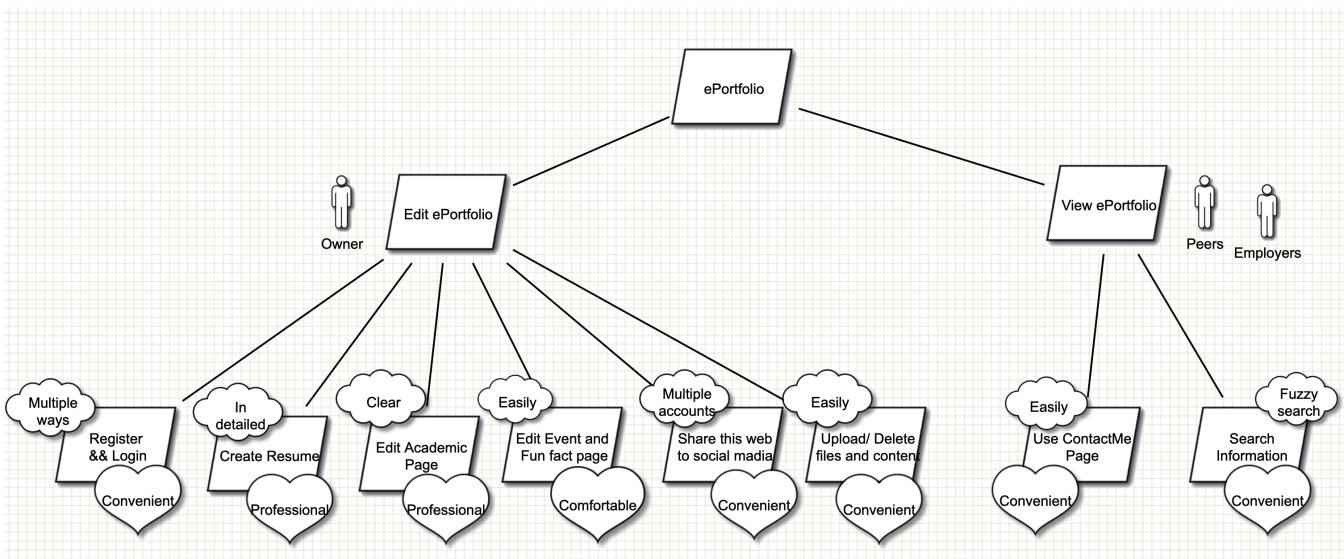
[YANGFAN XU](#)

We find this section is useless, so, we decide to end at week 5 for this section.

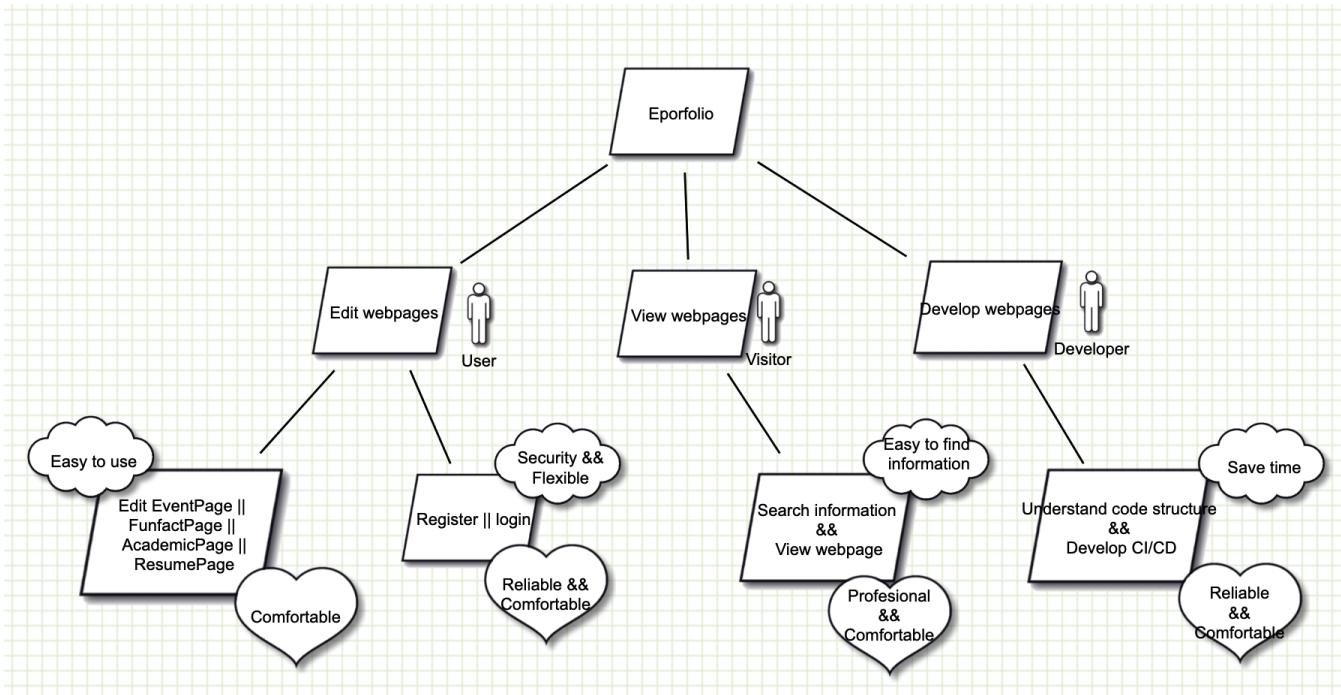
# PW - Motivational Modelling

## Version 1

Who	Do	Be	Feel
Student	Register && Login	Multiple Way	convenient
	Create Resume	Detail	Professional
	Edit Academic Page	Clear	Professional
	Edit Event and Fun Fact Page	Easily	comfortable
	Upload/ Delete files and content	Easily	convenient
	Share this ePortfolio to social media	Multiple accounts	convenient
Employer && Peers	Use ContactMe Page	Easily	convenient
	Searching information	Fuzzy Search	convenient



## Version 2



# PW - User Stories

## Version 1

ID	User Stories	Priority	Sprint	Points
1	As a user, I want to create my <b>resume</b> on ePorfolio system, so that I can highlight my skills, experience, and achievements.	High	1	12
2	As a user, I want to create an <b>academic page</b> , so that I can highlight my qualifications, scholarly works, honours, and awards.	High	1	9
3	As a user, I want to create an <b>event page</b> , so that I can manage all events.	Medium	1	6
4	As a user, I want to create a <b>fun fact page</b> , so that I can put all my hobbies.	Medium	1	6
5	As a user, I want to add a <b>search feature</b> on the Home page, so that I can search for information based on my interests such as skill set, qualifications, project name, awards, and tags.	Medium	2	5
6	As a user, I want to <b>upload documents</b> to ePorfolio system, so that I can provide additional information or evidence.	Medium	2	7
7	As a user, I want to <b>add tags</b> for uploaded documents, so that I can easily search documents with specific tags.	Low	2	3
8	As a user, I want to add a <b>file viewer</b> to ePorfolio system, so that I can view my uploaded documents in PDF or images format directly on the browser.	Low	2	9
9	As a user, I want to add a <b>share feature</b> to ePorfolio system, so that I can share my website on social networking such as Twitter, Facebook, LinkedIn.	Low	2	5
10	As a user, I want to add the ' <b>Connect with me</b> ' section to the About Me page, so that I can add my social networking addresses.	Low	1	3
11	As a user, I want to add <b>more personal information</b> when creating an account so that I can express more about myself.	Medium	1	3
12	As a user, I want to add an <b>edit feature</b> to the About Me page, so that I can edit my personal information	Low	1	3
13	As a product owner, I want to add <b>unit tests</b> for new API in the backend so that the team can easily check regression bugs during the development	High	1&2	8/10
14	As a product owner, I want to add MobX to the frontend, so that developers can easily manage shared data between pages.	Low	2	11

Total user story points is 100. 50 points for each sprint.

## Version 2

ID	User Stories	Priority	Sprint	Points	Owner
1	As a user, I want to create my <b>resume</b> on ePorfolio system, so that I can highlight my skills, experience, and achievements.	High	1	12	Trung
2	As a user, I want to create an <b>academic page</b> , so that I can highlight my qualifications, scholarly works, honours, and awards.	High	1	9	Changhai
3	As a user, I want to create an <b>event page</b> , so that I can manage all events.	Medium	1	6	Yangfan
4	As a user, I want to create a <b>fun fact page</b> , so that I can put all my hobbies.	Medium	1	6	Jiawei
5	As a product owner, I want to refactor frontend source code, so that developers can easily maintain/enhance /develop features	High	2	10	Trung
6	As a user, I want to upload qualifications and transcripts to the Resume page, so that I can provide additional information or evidence.	Low	2	3	Trung
7	As a user, I want to add a validation feature on Project and Blog page when users add/update portfolio items so that the application can prevent users from inputting invalid data.	Low	2	3	Yangfan
8	As a product owner, I want to add CI/CD pipeline, so that developers can run unit tests automatically when merging features to the sprint branch; and merged features can be automatically deployed to the Heroku cloud platform	Medium	2	5	Yangfan && Changhai
9	As a user, I want to add a share feature to ePorfolio system, so that I can share my website on social networking such as Twitter, Facebook, LinkedIn.	Low	2	7	Jiawei && Jiaqi
10	As a user, I want to add the ' <b>Connect with me</b> ' section to the About Me page, so that I can add my social networking addresses.	Low	1	3	Jiaqi && Jiawei
11	As a user, I want to add <b>more personal information</b> when creating an account so that I can express more about myself.	Medium	1	3	Jiaqi && Jiawei
12	As a user, I want to add an <b>edit feature</b> to the About Me page, so that I can edit my personal information	Low	1	3	Jiaqi && Jiawei
13	As a product owner, I want to add unit tests for new API in the backend so that the team can easily check regression bugs during the development	High	1&2	8/6	All team members

14	As a product owner, I want to add MobX to the frontend, so that developers can easily manage shared data between pages.	Low	2	4	Trung
15	As a product owner, I want to remove the Admin page, so that users can directly use visitor or editor mode to preview or modify portfolio.	Low	2	3	Jiaqi
16	As a product owner, I want to modify all pages, so that they have the same style	Medium	2	5	All team members

Change user stories from ID-05 to ID-09 and ID-13 to ID-16.

The total user story point is 96. 50 user story points for sprint 1 and 46 user story points for sprint 2.

Create by: Yangfan

Create Date: 04/20

## Version 3

ID	User Stories	Priority	Sprint	Points	Owner
1	As a user, I want to create my <b>resume</b> on ePorfolio system, so that I can highlight my skills, experience, and achievements.	High	1	12	Trung
2	As a user, I want to create an <b>academic page</b> , so that I can highlight my qualifications, scholarly works, honours, and awards.	High	1	9	Changhai
3	As a user, I want to create an <b>event page</b> , so that I can manage all events.	Medium	1	6	Yangfan
4	As a user, I want to create a <b>fun fact page</b> , so that I can put all my hobbies.	Medium	1	6	Jiawei
5	As a product owner, I want to refactor frontend source code, so that developers can easily maintain/enhance /develop features	High	2	10	Trung
6	As a user, I want to upload qualifications and transcripts to the Resume page, so that I can provide additional information or evidence.	Low	2	3	Trung
7	As a user, I want to add a validation feature on Project and Blog page when users add/update portfolio items so that the application can prevent users from inputting invalid data.	Low	2	3	Yangfan
8	As a product owner, I want to add CI/CD pipeline, so that developers can run unit tests automatically when merging features to the sprint branch; and merged features can be automatically deployed to the Heroku cloud platform	Medium	2	5	Yangfan && Changhai
9	As a user, I want to add a share feature to ePorfolio system, so that I can share my website on social networking such as Twitter, Facebook, LinkedIn.	Low	2	7	Jiawei && Jiaqi
10	As a user, I want to add the ' <b>Connect with me</b> ' section to the About Me page, so that I can add my social networking addresses.	Low	1	3	Jiaqi && Jiawei
11	As a user, I want to add <b>more personal information</b> when creating an account so that I can express more about myself.	Medium	1	3	Jiaqi && Jiawei
12	As a user, I want to add an <b>edit feature</b> to the About Me page, so that I can edit my personal information	Low	1	3	Jiaqi && Jiawei
13	As a product owner, I want to add unit tests for new API in the backend so that the team can easily check regression bugs during the development	High	1&2	8/6	All team members
14	As a user, I want to add print function in resume page so that I can print my resume into pdf	Medium	2	6	Jiawei && Jiaqi && Changhai && Yangfan
15	As a product owner, I want to remove the Admin page, so that users can directly use visitor or editor mode to preview or modify portfolio.	Low	2	3	Jiaqi
16	As a product owner, I want to modify all pages, so that they have the same style	Medium	2	5	All team members

Change user stories ID-14

The total user story point is 96. 50 user story points for sprint 1 and 48 user story points for sprint 2.

Create by: Yangfan

Create Date: 05/18

# PW - UI Design

## Edit Public Information

The screenshot shows a web application interface for editing public information. At the top right, there is a "Sign Out" link. The main title "Edit Public Information" is centered at the top. Below it, a sub-question "What details would you like to change?" is displayed. The form consists of several input fields:

- Name: Changhai Ren
- Date of birth: 04/29/2021
- Twitter: Enter Twitter link
- Facebook: Enter Facebook link
- Github: Enter Github link
- Linkedin: Enter Linkedin link
- About Me: A text area with a small edit icon.

A note below the "About Me" field states: "This will be shown on your profile". At the bottom left are "Back" and "Save" buttons.

## Event Page

For event page, it has two versions for different clients. The editor part is only for the account owner while the visitor part can be viewed by the account owner and anyone else.

### Editor Part

## Events

Start: 2021-04-16  
End: 2021-04-16

### Fishing in Lack halo

Hoster: Alex Location: Melbourne



Start: 2021-04-15  
End: 2021-04-16

### Hiking Mountain warm

Hoster: Cris Location: Singapore



Start: 2021-04-09  
End: 2021-04-10

### BBQ At Vally Cool

Hoster: Bob Location: Sydney



+ Add Event

← Admin

Edit Theme ^

You are editing this portfolio

View as visitor

## Visitor Part

## Events

Start: 2021-04-16  
End: 2021-04-16

### Fishing in Lack halo

Hoster: Alex Location: Melbourne

Start: 2021-04-15  
End: 2021-04-16

### Hiking Mountain warm

Hoster: Cris Location: Singapore

Start: 2021-04-09  
End: 2021-04-10

### BBQ At Vally Cool

Hoster: Bob Location: Sydney

← Admin

You are viewing this portfolio

View as editor

## Academic Editor Page

# Academic

*My academics and academic picture.*



Add Image Delete Image Add Academic



Title : Unimelb

Author: Unimelb

Short Description: Unimelb



← Admin

Edit Theme ^

You are editing this portfolio

View as visitor

Academic Visitor Page

# Academic

*My academics and academic picture.*



Title : Unimelb

Author: Unimelb

Short Description: Unimelb

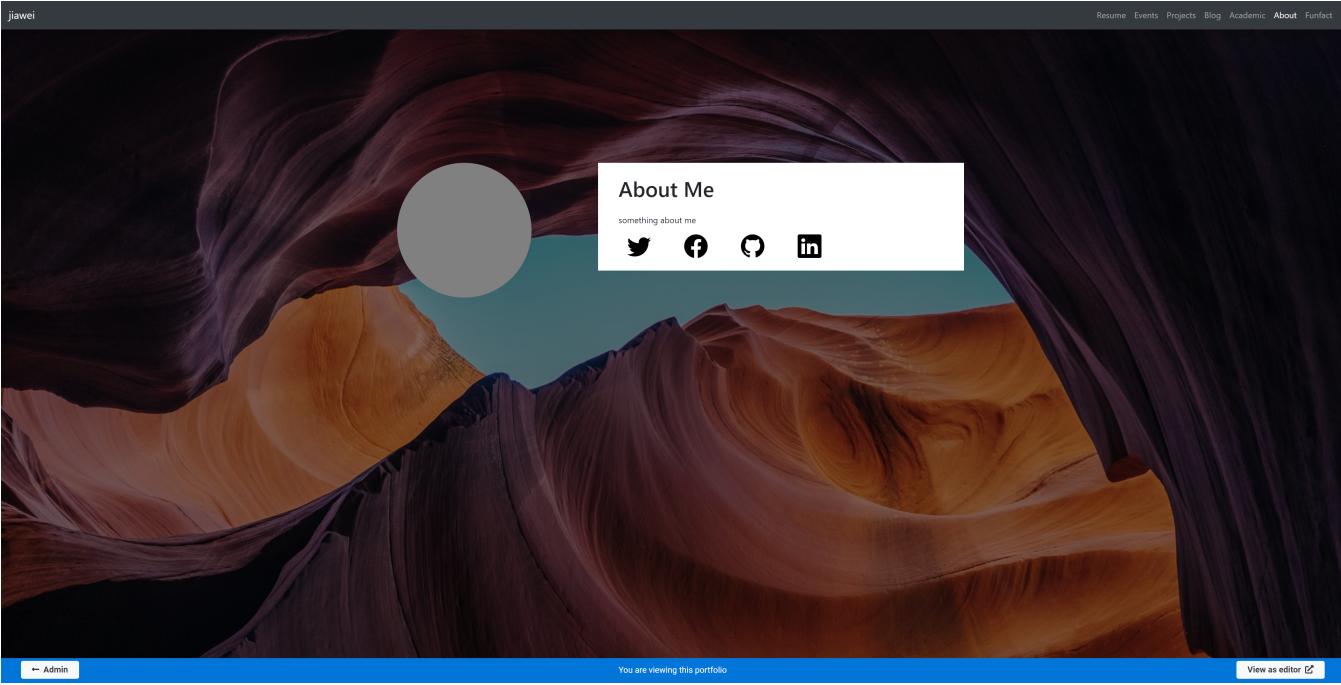
[View](#)

[← Admin](#)

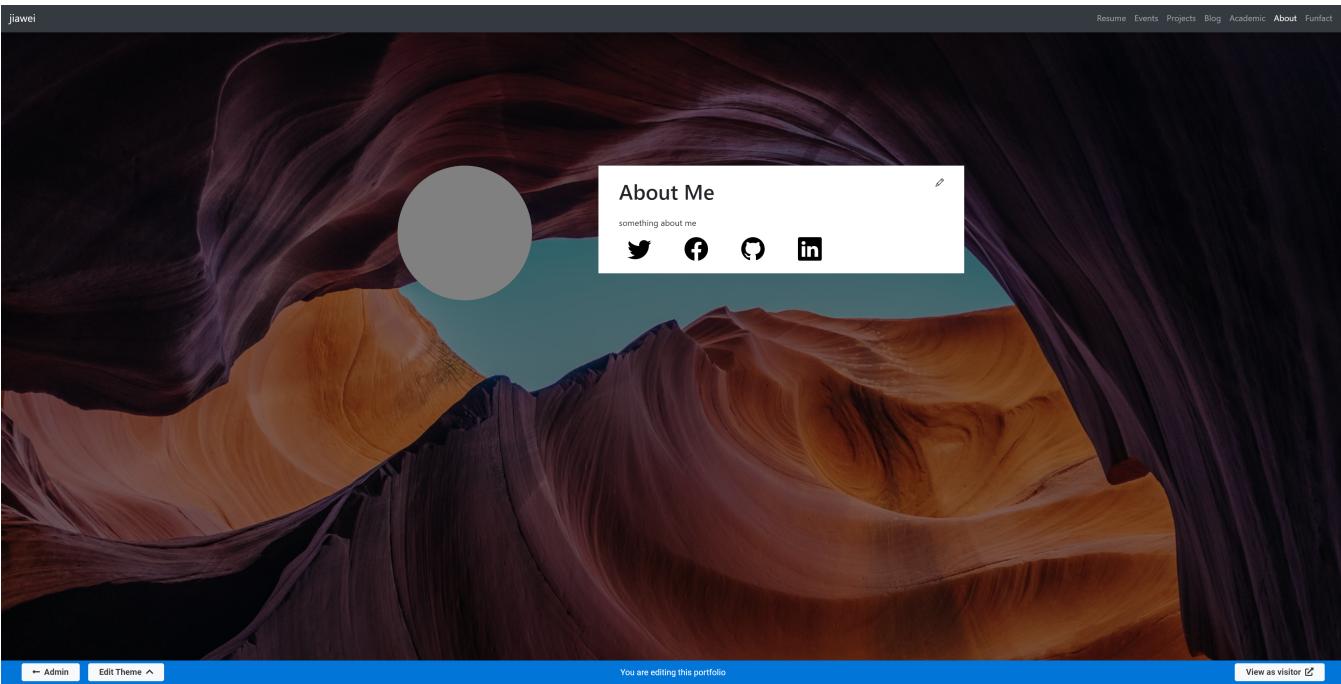
You are viewing this portfolio

[View as editor](#)

AboutMe Visitor Page



## AboutMe Editor Page



## Funfact Visitor Page

## Funfacts

Fishing

Funfact details: I love fishing at night.

← Admin

You are viewing this portfolio

View as editor

## Funfact Editor Page

## Funfacts

Fishing

Funfact details: I love fishing at night.



+ Add Funfact

← Admin

Edit Theme ^

You are editing this portfolio

View as visitor

Resume Page in Visitor Mode

EDUCATION**University of Melbourne**

Master of Information Technology • 12 Apr 2021 ~ 30 Apr 2021

The Master of Information Technology is for students who want to gain advanced technical IT skills and expertise in computing, cybersecurity, distributed computing, human-computer interaction or artificial intelligence. You'll be equipped to create technical solutions and drive success in business, government, health, entertainment, society and more.

AWARDS

- Good Performance Employee of the Year 2016
- Good Performance Employee of the Year 2016
- Team of the Year 2015 (Role: Project Manager)
- Team of the Year 2017 (Role: Project Manager)

CERTIFICATES**Automation Anywhere Certified Advanced RPA Professional (A2019)**

Automation Anywhere

01 Mar 2021 ~ No Expiration Date

Credential ID 30427277

**Test1**

Test

12 Apr 2021 ~ 12 Apr 2021

Credential ID Test

WORK**Global Cybersoft**

01 Jan 2017 ~ 21 Jul 2018

Project Manager • Ho Chi Minh, Vietnam

Worked as a Project Manager to manage numerous software system implementation projects for major client.

- Managed the entire project for one of the biggest clients.
- Prepared technical proposal to address end-users' needs.
- Estimated project development cost and duration.
- Provided necessary guidance and support to internal and client teams throughout project life cycle.
- Provided insightful inputs for functional design and technical design.
- Reviewed software specification, software design and test specification produced by offshore team.
- Coded the framework for some critical components.
- Participated in integration test, acceptance test and system cutover.
- Provided technical supports during development and maintenance.
- Drove team members to keep up with projects deadlines and within the clients's budgets.
- Ensured compliance with the documented software processes and procedures throughout the life cycle of software products.

SKILLS**C# 10+ YRS.****JAVA 8+ YRS.****JAVASCRIPT 2+ YRS.****REACTJS 2+ YRS.****EXPRESS 2+ YRS.**

CSS 2+ yrs.



## REFERENCES

Sarah Chamberlain

Product Owner

ReadyTeacher (Melbourne, Australia)

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Tam Thi Thanh Nguyen

Senior Project Manager

Global CyberSoft (Vietnam) JSC - A Hitachi Consulting Company

+610482015035

tamtnt@gcs-vn.com

## Resume in Editor Mode

Trung Nguyen

Resume Events Projects Blog Academic About Funfact

## EDUCATION

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+ Add More

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- Team of the Year 2015 (Role: Project Manager)
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+ Add More

← Admin

Edit Theme ^

You are editing this portfolio

View as visitor

# PW - Deployment Process

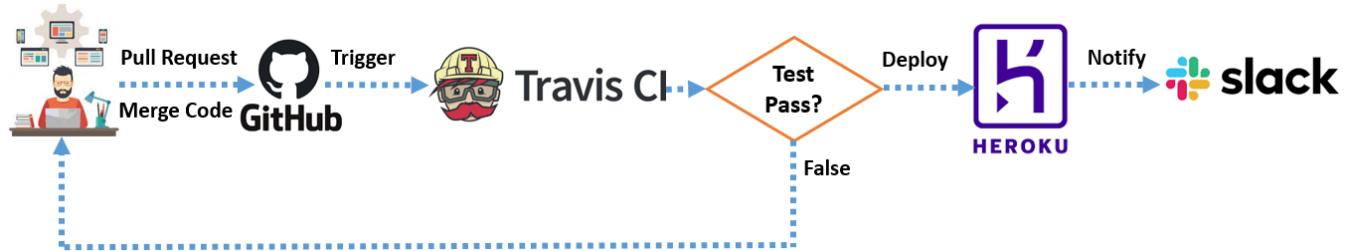
## 1. Introduction:

This page will show the process of how to deploy the project.

## 2. Github repository link:

<https://github.com/trundn/COMP90082-Assignment>

## 3. CI/CD Pipeline



### 3.1. Travis CI configuration file

```
language: node_js
node_js:
  - '14'
cache:
  directories:
    - node_modules
script:
  - npm run build
branches:
  only:
    - sprint2
notifications:
  slack: $SLACK_KEY
deploy:
  provider: heroku
  skip_cleanup: true
  api_key: $HEROKU_API_KEY
  app: comp90082-pure-and-lazy
  on:
    branch: sprint2
```

### 3.2. Travis CI environment variables

#### Environment Variables

Customize your build using environment variables. For secure tips on generating private keys [read our documentation](#)

HEROKU_API_KEY	..... A placeholder for a secret variable value.	Available to all branches	
----------------	---	---------------------------	--

If your secret variable has special characters like `&`, escape them by adding `\` in front of each special character. For example, `ma&w!doc` would be entered as `ma\&\w\ !doc`.

### 3.3. Heroku environment variables

## Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

## Config Vars

[Hide Config Vars](#)

MONGODB_PASSWORD	YOUR PASS		
KEY	VALUE	<a href="#">Add</a>	

## 3.4. Auth0 configuration

### 3.4.1. Application settings

#### Allowed Callback URLs

http://localhost:4200, https://comp90082-pure-and-lazy.herokuapp.com

After the user authenticates we will only call back to any of these URLs. You can specify multiple valid URLs by comma-separating them (typically to handle different environments like QA or testing). Make sure to specify the protocol (`https://`) otherwise the callback may fail in some cases. With the exception of custom URI schemes for native clients, all callbacks should use protocol `https://`. You can use [Organization URL](#) parameters in these URLs.

#### Allowed Logout URLs

http://localhost:4200, https://comp90082-pure-and-lazy.herokuapp.com

## Allowed Web Origins

```
http://localhost:4200, https://comp90082-pure-and-lazy.herokuapp.com
```

Comma-separated list of allowed origins for use with [Cross-Origin Authentication](#), [Device Flow](#), and [web message response mode](#), in the form of `<scheme> "://" <host> [ ":" <port> ]`, such as `https://login.mydomain.com` or `http://localhost:3000`. You can use wildcards at the subdomain level (e.g.: `https://*.contoso.com`). Query strings and hash information are not taken into account when validating these URLs.

### 3.4.2. Script for Auth Pipeline Rule

The screenshot shows the Auth0 Rules interface. On the left, there's a sidebar with navigation links: Getting Started, Activity, Applications (with a 'NEW' badge), Authentication, Organizations, User Management, Branding, Security, Actions, and Auth Pipeline (which is selected and has a 'Rules' link under it). The main area is titled 'Rules' and contains a sub-header: 'Custom Javascript snippets that run in a secure, isolated sandbox in the Auth0 service as part of your authentication pipeline. [Learn more ▾](#)'. Below this is a yellow callout box with the text: '⚠️ We recommend you to explore Actions, our newest extensibility product now in General Availability. Actions gives you many of the same functions as Rules and more. Get started today in [Actions](#). [Learn more about Actions](#).' At the bottom of the main area are two buttons: 'TRY ALL RULES WITH...' and 'REFRESH'. To the right of the main area are three icons: a green toggle switch, a blue square with three dots, and a grey square with three dots. The entire interface has a light gray background with some shadows and highlights.

```

/***
 * Auth0 Rule: Indicate user needs to complete registration details and redirect to reg
 */
function (user, context, callback) {
  // Short-circuit if the user is signed up already, is using a refresh token,
  // or is using silent auth
  if (context.stats.loginsCount > 1 || context.protocol === 'oauth2-refresh-token' ||
    || context.request.query.prompt === 'none') {
    return callback(null, user, context);
  }

  // Set registration status
  user.user_metadata = user.user_metadata || {};
  user.user_metadata.registration_complete = false;
  auth0.users.updateUserMetadata(user.user_id, user.user_metadata)
    .then(function(){
      callback(null, user, context);
    })
    .catch(function(err){
      callback(err);
    });
}

```

#### 4. Run on Developer Environment

Config the environment variables

##### **Nodejs package an NPM package**

##### **For the windows platform and MaxOS platform**

Nodejs download website: <https://nodejs.org/en/download/>

##### **Version check command:**

node -v

#### **Install MongoDB Application**

##### **Download MongoDB Community**

install link: <https://www.mongodb.com/try/download/community>

##### **Connect to MongoDB**

Connection link:

<mongodb+srv://trungnd:Pass4eportfolio@cluster0.xjxw5.mongodb.net/pureandlazydb?retryWrites=true&w=majority>

Install instruction:

##### **Clone the project to local**

Enter the command into the terminal:

```
git clone https://github.com/trundn/COMP90082-Assignment.git
```

### **Switch to project directory:**

```
cd COMP90082-Assignment
```

### **Install dependencies:**

```
npm install
```

### **Setting up the environmental file**

Create local file name as .env to set up MongoDB connect file.

```
copy variable into .env file: MONGODB_PASSWORD = 'Pass4eportfolio'
```

### **Lunch the project:**

```
npm start
```

### **Lunch the website**

Open the browser and enter the URL localhost:4200

# PW - Tag Releases

This page lists up all release versions tagged from GitHub Repo: <https://github.com/trundn/COMP90082-Assignment>

## Inception

[COMP90082\\_2021\\_RLSE\\_UG\\_INCEPTION](#)

## Sprint 1

[COMP90082\\_2021\\_RLSE\\_UG\\_1.0](#)

[COMP90082\\_2021\\_RLSE\\_UG\\_1.1](#)

[COMP90082\\_2021\\_RLSE\\_UG\\_1.2](#)

## Sprint 2

## Final Release

# PW - Daily Standup

[Week-4 \(22/03 ~ 26/03\)](#)

[Week-5 \(29/03 ~ 02/04\)](#)

[Week-6 \(12/04 ~ 16/04\)](#)

[Week-7 \(19/04 ~ 23/04\)](#)

[Week-8 \(26/04 ~ 30/04\)](#)

[Week-9 \(03/05 ~ 07/05\)](#)

[Week-10 \(10/05 ~ 14/05\)](#)

[Week-11 \(17/05 ~ 21/05\)](#)

[Week-12 \(24/05 ~ 28/05\)](#)

# Week-4 (22/03 ~ 26/03)

## Tuesday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
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	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
<b>What did I do</b>	<ul style="list-style-type: none"> <li>learning typescript language</li> <li>Set up a local environment to launch the Pure &amp; Lazy project</li> <li>Read the project code</li> <li>Design web UI page</li> <li>Discuss teammates design and provide some advice to improve</li> <li>Read inception checklist</li> </ul>	<ul style="list-style-type: none"> <li>Read Inception checklist</li> <li>Read GitHub guideline posted on LMS</li> </ul>	<ul style="list-style-type: none"> <li>learning typescript language</li> <li>Set up a local environment to launch the Pure &amp; Lazy project</li> <li>Read the project code</li> <li>Discuss teammates design and provide some advice to improve</li> <li>Read inception checklist</li> </ul>	<ul style="list-style-type: none"> <li>Record weekly meeting</li> <li>Read source code</li> <li>Follow tutorials about MongoDB and Mongoose</li> <li>Prepare for inception list</li> <li>Discussion about changes on Trello content</li> </ul>	<ul style="list-style-type: none"> <li>Learning MongoDB</li> <li>Prepare for extension meeting</li> <li>Read source code</li> </ul>
<b>What will I do</b>	<ul style="list-style-type: none"> <li>Contact with teammates and figure out the whole structure of the project</li> <li>Break up use story as specific features or tasks into the product backlog list</li> <li>Update confluence space and create weekly cards on trello</li> </ul>	<ul style="list-style-type: none"> <li>Learn Typescript</li> <li>Refactor project repository based on GitHub guideline</li> <li>Implement tyegoose model</li> <li>Initialize resume page</li> </ul>	<ul style="list-style-type: none"> <li>try to do my task</li> <li>complete my own product log</li> </ul>	<ul style="list-style-type: none"> <li>Grab understanding about whole structure</li> <li>complete my product log</li> </ul>	<ul style="list-style-type: none"> <li>Learning typeScript</li> <li>set up event page</li> <li>Holding meeting to finish motivation model and inception</li> </ul>
<b>Are there any impediments</b>	Unfamiliar programming languages and bad constructs are impediments to me.			<ul style="list-style-type: none"> <li>Need to hold balance between work and study</li> </ul>	<ul style="list-style-type: none"> <li>Hard to control time balance</li> </ul>

## Sunday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
<b>What did I do</b>					
<b>What will I do</b>					
<b>Are there any impediments</b>					

## Tuesday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
<b>What did I do</b>	<ul style="list-style-type: none"> <li>Learn the basic concept of MongoDB and MongoDB language</li> <li>Set up MongoDB account</li> <li>Design UI prototype for the academic page</li> <li>Learn basic typescript language</li> </ul>	<ul style="list-style-type: none"> <li>Setup MongoDB for the team, so that everyone can access in the same database</li> <li>Setup local environment to launch Pure &amp; Lazy project</li> <li>Make UI prototype for Resume page</li> <li>Make MongoDB data model for Resume page</li> </ul>	<ul style="list-style-type: none"> <li>Record weekly meeting</li> <li>Launch code of Pure &amp;&amp; Lazy locally</li> <li>Make UI design for the fun fact page</li> <li>Make UI design for the About me page</li> <li>Learning MongoDB</li> </ul>	<ul style="list-style-type: none"> <li>Launch code of Pure &amp;&amp; Lazy locally</li> <li>Make UI design for the fun fact page</li> <li>Make UI design for the About me page</li> <li>Learning MongoDB</li> </ul>	<ul style="list-style-type: none"> <li>Hold a weekly meeting</li> <li>Lunch code of Pure &amp;&amp; Lazy locally</li> <li>Make UI design for event page</li> <li>Learning MongoDB</li> </ul>
<b>What will I do</b>	<ul style="list-style-type: none"> <li>Keep learning typescript language</li> <li>Set up a local environment to launch the Pure &amp; Lazy project</li> <li>Read the project code and try to figure out the whole structure of the project</li> </ul>	<ul style="list-style-type: none"> <li>Write typegoose data model</li> <li>Initialize Resume component</li> </ul>	<ul style="list-style-type: none"> <li>Learning TypeScript</li> <li>Read resource code</li> <li>Set up the personal information page</li> </ul>	<ul style="list-style-type: none"> <li>Learn MongoDB and design datamodle</li> <li>Read resource code</li> </ul>	<ul style="list-style-type: none"> <li>Learning TypeScript</li> <li>Read resource code</li> <li>Set up event page</li> </ul>
<b>Are there any impediments</b>	<ul style="list-style-type: none"> <li>Lack of language knowledge, have to learn more</li> <li>Still, looking for work right now.</li> </ul>	<ul style="list-style-type: none"> <li>I am still working at the internship placement. Will complete it this week.</li> </ul>	<ul style="list-style-type: none"> <li>choose a suitable timetable to contact with other team mates</li> </ul>	<ul style="list-style-type: none"> <li>Lack of language knowledge, both MongoDB and typescript</li> </ul>	<ul style="list-style-type: none"> <li>Lack of knowledge, need to learn a lot!</li> </ul>

## Friday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
<b>What did I do</b>	<ul style="list-style-type: none"> <li>learning typescript language</li> <li>Set up a local environment to launch the Pure &amp; Lazy project</li> <li>Read the project code</li> <li>Design web UI page</li> <li>Discuss teammates design and provide some advice to improve</li> <li>Read inception checklist</li> </ul>	<ul style="list-style-type: none"> <li>Read Inception checklist</li> <li>Read GitHub guideline posted on LMS</li> </ul>	<ul style="list-style-type: none"> <li>learning typescript language</li> <li>Set up a local environment to launch the Pure &amp; Lazy project</li> <li>Read the project code</li> <li>Discuss teammates design and provide some advice to improve</li> <li>Read inception checklist</li> </ul>	<ul style="list-style-type: none"> <li>Record weekly meeting</li> <li>Read source code</li> <li>Follow tutorials about MongoDB and Mongoose</li> <li>Prepare for inception list</li> <li>Discussion about changes on Trello content</li> </ul>	<ul style="list-style-type: none"> <li>Learning MongoDB</li> <li>Prepare for extension meeting</li> <li>Read source code</li> </ul>
<b>What will I do</b>	<ul style="list-style-type: none"> <li>Contact with teammates and figure out the whole structure of the project</li> <li>Break up use story as specific features or tasks into the product backlog list</li> <li>Update confluence space and create weekly cards on trello</li> </ul>	<ul style="list-style-type: none"> <li>Learn Typescript</li> <li>Refactor project repository based on GitHub guideline</li> <li>Implement tygoose model</li> <li>Initialize resume page</li> </ul>	<ul style="list-style-type: none"> <li>try to do my task</li> <li>complete my own product log</li> </ul>	<ul style="list-style-type: none"> <li>Grab understanding about whole structure</li> <li>complete my product log</li> </ul>	<ul style="list-style-type: none"> <li>Learning typeScript</li> <li>set up event page</li> <li>Holding meeting to finish motivation model and inception</li> </ul>
<b>Are there any impediments</b>	Unfamiliar programming languages and bad constructs are impediments to me.			<ul style="list-style-type: none"> <li>Need to hold balance between work and study</li> </ul>	<ul style="list-style-type: none"> <li>Hard to control time balance</li> </ul>

# Week-5 (29/03 ~ 02/04)

## Tuesday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
What did I do	<ul style="list-style-type: none"> <li>Git pull from the main repository and make sure all versions are correctly with the main.</li> <li>Create a new individual working branch.</li> <li>Working with teammates and check the inception checklist.</li> <li>Find the Heroku deployment document.</li> <li>complete inception checklist</li> <li>learned mongoose models using TypeScript classes.</li> </ul>	<ul style="list-style-type: none"> <li>Make coding standards document</li> <li>Make code review checklist document</li> <li>Make GIT conventional commit document</li> <li>Make GIT workflow document</li> <li>Restructure source code</li> <li>Make typegoose model for Resume page</li> <li>Initialize an empty Resume page</li> </ul>	<ul style="list-style-type: none"> <li>Rebuild local repository and make it working with a new branch set up.</li> <li>complete inception checklist</li> <li>learning typescript language unit test</li> <li>how to do test plan</li> </ul>	<ul style="list-style-type: none"> <li>Rebuild local repository and make it working with a new branch set up.</li> <li>Working with teammates and check the inception checklist.</li> <li>Understand the routing part of the source code and MongoDB issue.</li> </ul>	<ul style="list-style-type: none"> <li>Draw timeline</li> <li>Write project overview</li> <li>Draw motivation model</li> <li>Reorganize confluence structure</li> <li>Write meeting minute</li> <li>create git branch</li> <li>complete inception checklist</li> <li>check the inception list</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Coding the typegoose model for academic page</li> <li>Coding the academic page framework according to the UI design</li> <li>Read the Heroku deployment document and learn how to deploy the project on cloud service.</li> </ul>	<ul style="list-style-type: none"> <li>Make Architectural design</li> <li>Start layout Resume page</li> </ul>	<ul style="list-style-type: none"> <li>to complete test plan document</li> <li>coding the information interface</li> <li>try to code testing template</li> </ul>	<ul style="list-style-type: none"> <li>Coding the data transfer part and make transmitting data works well.</li> <li>Change page UI content of About me page.</li> </ul>	<ul style="list-style-type: none"> <li>set up event page</li> <li>recheck inception list</li> </ul>
Are there any impediments					

## Friday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
What did I do	<ul style="list-style-type: none"> <li>Learning the typegoose model again and understand more detail about typegoose.</li> <li>Coding the basic academic model for the academic page.</li> <li>Coding the academic page framework according to the UI design. Adding previous project title sample and footer.</li> </ul>	<ul style="list-style-type: none"> <li>Review createContext, useContext, useCallback hooks in client source code</li> <li>Review authentication provider and useAuth0 in client source code</li> </ul>	<ul style="list-style-type: none"> <li>Learning g unit test</li> <li>review the UI design</li> </ul>	<ul style="list-style-type: none"> <li>Detailed research on original code structure</li> <li>refactor the UI design for funfact page</li> </ul>	<ul style="list-style-type: none"> <li>Set up Event page locally</li> <li>Communicate with eduardo to deal with submission issue</li> <li>Record meeting minutes</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Coding the picture flow component on the academic page.</li> <li>Consummate academic page models</li> <li>Coding the academic page body components.</li> </ul>	<ul style="list-style-type: none"> <li>Display information in Resume page.</li> </ul>	<ul style="list-style-type: none"> <li>complete the unit test planning</li> </ul>	<ul style="list-style-type: none"> <li>Start coding display info part of About me page.</li> </ul>	<ul style="list-style-type: none"> <li>complete Event page</li> <li>Coordinate the team</li> </ul>
Are there any impediments					

# Mid-Break(05/04 - 09/04)

## Tuesday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
What did I do	<ul style="list-style-type: none"> <li>Coding the picture flow component on the academic page.</li> <li>Consummate academic page models</li> <li>Add academic page path for the whole project. Include editable and viewable path.</li> </ul>	<ul style="list-style-type: none"> <li>Display education, awards, certificates, work, skills, and reference on Resume page</li> </ul>	<ul style="list-style-type: none"> <li>review UI page design</li> </ul>	<ul style="list-style-type: none"> <li>Learning Mongoose</li> <li>Continue to figure out the workflow of the changes corresponding to data transfer.</li> </ul>	<ul style="list-style-type: none"> <li>Learning Mongoose</li> <li>Learning React</li> <li>Learning Typescript</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Learn react-bootstrap components</li> <li>Coding the academic page body components.</li> <li>Try to learn some amazon UI design.</li> </ul>	Allow user to edit Resume page	<ul style="list-style-type: none"> <li>complete test planning</li> <li>complete personal page</li> </ul>	<ul style="list-style-type: none"> <li>Finish frontend for Aboutme.</li> <li>Start frontend of the funfact page.</li> </ul>	<ul style="list-style-type: none"> <li>Set up event page</li> <li>finish frontend and backend of event page</li> </ul>
Are there any impediments					<ul style="list-style-type: none"> <li>Lack of knowledge</li> </ul>

## Friday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
What did I do	<ul style="list-style-type: none"> <li>Learned react-bootstrap components</li> <li>Coding the academic page body component (The modal component).</li> <li>Record the meeting minutes</li> </ul>	<ul style="list-style-type: none"> <li>Allow user to add more qualification on Resume page</li> </ul>	<ul style="list-style-type: none"> <li>complete the front end of personal page</li> </ul>	<ul style="list-style-type: none"> <li>Learning React usercontext</li> <li>Continue to code the frontend of the funfact page.</li> </ul>	<ul style="list-style-type: none"> <li>Set up event page</li> <li>finish frontend and backend of event page</li> <li>Learning React</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Add modal components on academic pages.</li> <li>Try to complete some fronted functions.</li> <li>Update academic model if necessary.</li> </ul>	<ul style="list-style-type: none"> <li>Allow user to add more awards, certificates, references on Resume page</li> </ul>	<ul style="list-style-type: none"> <li>complete test planning</li> <li>complete personal page</li> </ul>	<ul style="list-style-type: none"> <li>Read data in the database for about me page.</li> </ul>	<ul style="list-style-type: none"> <li>Update UI design</li> <li>communicate with jiawei about "about me" page</li> </ul>
Are there any impediments					<ul style="list-style-type: none"> <li>Time balance</li> </ul>

# Week-6 (12/04 ~ 16/04)

## Tuesday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
What did I do	<ul style="list-style-type: none"> <li>Add modal components on academic pages.</li> <li>Complete the</li> <li>Redesign the academic model if necessary.</li> <li>Read the conventional commit from the slack.</li> </ul>	<ul style="list-style-type: none"> <li>Allow users to edit Resume information</li> <li>Allow users to delete Resume information</li> </ul>	<ul style="list-style-type: none"> <li>Complete test plan (test structure)</li> <li>setting up the data model</li> <li>change the requirement from signup information page to public information</li> </ul>	<ul style="list-style-type: none"> <li>Finish Aboutme page frontend</li> <li>Change the data model to cooperate with ManagePage.</li> <li>Change UI design and move the edit function to ManagePage</li> <li>Finish database connection (read links and description in the database) for Aboutme page.</li> </ul>	<ul style="list-style-type: none"> <li>Create new eventPage server part ("route", "control", "model", "modal")</li> <li>Create new eventPage UI design ("header", "events", "buttons")</li> <li>Create new eventPage functions ("Add", "Update", "Delete")</li> <li>Communicate with trung about the new page style consistency</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Add backend route path in main file and academics page router</li> <li>Add backend process functional</li> </ul>	<ul style="list-style-type: none"> <li>Start functional test for Resume page</li> <li>Fix bugs for Resume page</li> </ul>	<ul style="list-style-type: none"> <li>Start public information</li> <li>change the data structure</li> <li>connect with the group meeting</li> </ul>	<ul style="list-style-type: none"> <li>Start Funfact Page development.</li> <li>Read trung's and yangfan's code to prepare development for Funfact page.</li> </ul>	<ul style="list-style-type: none"> <li>Implement "Add" button function</li> <li>Implement "Update" button function</li> <li>Implement "Delete" button function</li> </ul>
Are there any impediments					

## Friday

	Changhai Ren	Duc Trung	Jiaqi Ao	Jiawei Ren	Yangfan Xu
What did I do	<ul style="list-style-type: none"> <li>Add backend route path in main file and academics page router</li> <li>Add "add", "update", "delete" backend functional</li> <li>Add "add", "update", "delete" frontend functional</li> <li>Fix some bugs for the academic page</li> </ul>	<ul style="list-style-type: none"> <li>Start functional test for Resume page</li> <li>Fix bugs for the Resume page</li> </ul>	<ul style="list-style-type: none"> <li>complete the public information page</li> <li>complete the connection with other team partner.</li> <li>fix original bugs</li> </ul>	<ul style="list-style-type: none"> <li>Finish Funfact page frontend</li> <li>Finish add/update functions for Funfact Page</li> <li>Finish database connection for Funfact Page(read and write funfacts in database) with backend</li> </ul>	<ul style="list-style-type: none"> <li>Implement "Add" button function</li> <li>Implement "Update" button function</li> <li>Implement "Delete" button function</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Implementing the "add", "delete" function in backend and frontend.</li> <li>Redesign academic page user interface</li> <li>Test academic page at the end</li> </ul>	<ul style="list-style-type: none"> <li>Prepare for Sprint 2</li> </ul>	<ul style="list-style-type: none"> <li>complete the model of test plan</li> </ul>	<ul style="list-style-type: none"> <li>Finish delete function for Funfact Page.</li> <li>Test frontend style for Funfact Page</li> </ul>	<ul style="list-style-type: none"> <li>Add .css to eventPage to make it beauty</li> </ul>
Are there any impediments			<ul style="list-style-type: none"> <li>There is too much academic pressure</li> </ul>	<ul style="list-style-type: none"> <li>Much more bugs appeared because of typescript during development.</li> </ul>	<ul style="list-style-type: none"> <li>Heavy workload</li> </ul>

# Week-7 (19/04 ~ 23/04)

## Tuesday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>Holding Review meeting</li> <li>Holding sprint2 planning meeting</li> <li>Fix button hidden by footer bug</li> <li>learning mongoose and react</li> <li>Filling in sprint1 checklist</li> </ul>	<ul style="list-style-type: none"> <li>Attend review meeting &amp; planning meeting</li> <li>Check merge issue for sprint 1 &amp; fix it</li> </ul>	<ul style="list-style-type: none"> <li>complete test plan</li> <li>fix the bug for manage page</li> </ul>	<ul style="list-style-type: none"> <li>Set up CI/CD pipeline for the project</li> </ul>	<ul style="list-style-type: none"> <li>Implementing the "add", "delete" function in backend and frontend.</li> <li>Test academic page</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Learning knowledge I will use for sprint2</li> <li>Communicate with Changhai about the corporation part</li> </ul>	<ul style="list-style-type: none"> <li>Think about user stories in sprint2, may add new stuff, or help other's to work more.</li> </ul>	<ul style="list-style-type: none"> <li>merge the sprint1</li> <li>write down test report</li> </ul>		<ul style="list-style-type: none"> <li>Try to fix the component bug</li> <li>Merge the sprint1 code to the main branch</li> </ul>
Are there any impediments					

## Friday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>Update user stories in Trello and confluence</li> <li>Update features in the project overview section</li> <li>Talking with changhai and trung about CI/CD part</li> <li>Writing the acceptance criteria and tasks(backlogs) for user story 7</li> <li>Learning CI/CD</li> </ul>	<ul style="list-style-type: none"> <li>Learning API about sharing provided by twitterfacebook and github</li> </ul>	<ul style="list-style-type: none"> <li>merge code to sprint1</li> <li>complete test plan and test report</li> </ul>	<ul style="list-style-type: none"> <li>Continue with CI/CD pipeline workflow</li> </ul>	<ul style="list-style-type: none"> <li>Try to fix the picture flow component bug</li> <li>Merge my branch code to the main branch</li> <li>Help teammate merge code together and we all check code together.</li> <li>Discuss DevOps process with Trung and yangfan.</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Update Trello during the meeting</li> </ul>	<ul style="list-style-type: none"> <li>Write detailed product backlog for Task 7</li> <li>Think about helping other's task to contribute more</li> </ul>	<ul style="list-style-type: none"> <li>learning Heroku app</li> </ul>		<ul style="list-style-type: none"> <li>Update Trello</li> <li>Learning how to use CI/CD pipeline.</li> </ul>
Are there any impediments					

# Week-8 (26/04 ~ 30/04)

## Tuesday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>Add jump function to event page</li> <li>Add delete alert function to project &amp;&amp; blog page</li> <li>Add reminder information to project &amp;&amp; blog modal part</li> <li>Learning CI/CD</li> </ul>	<ul style="list-style-type: none"> <li>Check for packages providing sharing function</li> </ul>	<ul style="list-style-type: none"> <li>complete the individual test report</li> <li>design the sharing function</li> <li>try to remove admin page</li> </ul>	<ul style="list-style-type: none"> <li>Allow users to upload certificates and transcripts on Resume page</li> <li>Allow users to update uploaded certificates and transcripts on Resume page</li> </ul>	<ul style="list-style-type: none"> <li>Update Trello</li> <li>Learning how to use CI/CD pipeline.</li> <li>Fix delete function bug</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Using jest</li> <li>Finish sprint 1 checklist</li> </ul>	<ul style="list-style-type: none"> <li>Finish the test report for sprint 1</li> <li>Finish the sharing function</li> </ul>	<ul style="list-style-type: none"> <li>complete the sharing function</li> </ul>	<ul style="list-style-type: none"> <li>Complete uploading feature</li> </ul>	<ul style="list-style-type: none"> <li>Learning the Heroku deployment</li> <li>Help team member check sprint1 checklist</li> </ul>
Are there any impediments					

## Friday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>Finish sprint 1 checklist</li> <li>Update Readme file</li> <li>Update confluence part</li> </ul>	<ul style="list-style-type: none"> <li>Complete the test report for sprint1</li> <li>Complete sharing function</li> </ul>	<ul style="list-style-type: none"> <li>change the sharing function</li> </ul>	<ul style="list-style-type: none"> <li>Update Confluence artifacts</li> <li>Show uploaded transcripts and certificates on Resume page.</li> <li>Investigate and fix CI/CD issues</li> </ul>	<ul style="list-style-type: none"> <li>Completed the test report for sprint1</li> <li>Learning the Heroku deployment and implement the deployment</li> <li>Help team member check sprint1 checklist</li> <li>Draw class diagram</li> <li>Learning the auth0 middleware</li> <li>Create the deployment process in the confluence</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Using jest</li> <li>UI design for Jumped EventPage</li> </ul>	<ul style="list-style-type: none"> <li>Reslove refresh issue about funfact page.</li> <li>Add more workload in sprint 2 for me.</li> </ul>	<ul style="list-style-type: none"> <li>remove the admin page</li> <li>change sharing function</li> </ul>	<ul style="list-style-type: none"> <li>Review all features of frontend</li> </ul>	<ul style="list-style-type: none"> <li>Try to figure out auth0 jump path</li> <li>Try to write some test case for the backend controller</li> <li>Try to re-design the view academic modal</li> </ul>
Are there any impediments					

# Week-9 (03/05 ~ 07/05)

## Tuesday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>Learning CI/CD</li> <li>Update confluence</li> </ul>	<ul style="list-style-type: none"> <li>Export PDF function research</li> <li>Update confluence</li> </ul>	<ul style="list-style-type: none"> <li>remove admin page</li> <li>change public information page</li> </ul>	<ul style="list-style-type: none"> <li>Show qualifications and transcripts on the Resume page</li> </ul>	<ul style="list-style-type: none"> <li>Figure out auth0 jump path</li> <li>Re-design the view academic modal</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>User story 7</li> </ul>	<ul style="list-style-type: none"> <li>try to complete the 'export page to pdf' function</li> </ul>	<ul style="list-style-type: none"> <li>try to complete the 'export page to pdf' function</li> <li>complete the document for the test plan</li> </ul>	<ul style="list-style-type: none"> <li>Check file uploading features</li> </ul>	<ul style="list-style-type: none"> <li>Learning the export pdf function</li> <li>Learning the CI /CD backend test</li> </ul>
Are there any impediments			No enough time		

## Friday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>User story 7</li> </ul>	<ul style="list-style-type: none"> <li>Finish first version of 'export page to pdf' function</li> </ul>	<ul style="list-style-type: none"> <li>complete 'export page to pdf' function</li> <li>complete the document for the test plan</li> </ul>	<ul style="list-style-type: none"> <li>Fix issues related to file uploading</li> </ul>	<ul style="list-style-type: none"> <li>Learning the CI/CD backend function</li> <li>Finished the first version of the export function</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Sprint 2 checklist</li> </ul>	<ul style="list-style-type: none"> <li>Sprint 2 checklist</li> </ul>	<ul style="list-style-type: none"> <li>change page style of 'export page to pdf' function</li> </ul>	<ul style="list-style-type: none"> <li>Review front end source code</li> </ul>	<ul style="list-style-type: none"> <li>Sprint 2 checklist</li> <li>Review all source code</li> </ul>
Are there any impediments					

# Week-10 (10/05 ~ 14/05)

## Tuesday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>Learning Heroku</li> <li>Learning CI /CD</li> </ul>	<ul style="list-style-type: none"> <li>Button setting for export PDF</li> </ul>	<ul style="list-style-type: none"> <li>change page style of 'export page to pdf' function</li> </ul>	<ul style="list-style-type: none"> <li>Review unit test source code</li> <li>Merge CI/CD feature to sprint2 branch</li> </ul>	<ul style="list-style-type: none"> <li>Fix some function error</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Weekly Meeting minutes</li> </ul>	<ul style="list-style-type: none"> <li>prepare for presentation</li> <li>Confluence documentation</li> </ul>	<ul style="list-style-type: none"> <li>complete the test plan</li> <li>prepare for presentation</li> </ul>		<ul style="list-style-type: none"> <li>Prepare for presentation</li> <li>Check all user stories</li> <li>Complete the Confluence documents</li> </ul>
Are there any impediments					

## Friday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>Weekly Meeting minutes</li> </ul>	<ul style="list-style-type: none"> <li>Finish previous confluence</li> </ul>	<ul style="list-style-type: none"> <li>complete the test plan</li> <li>prepare for presentation</li> </ul>	<ul style="list-style-type: none"> <li>Continue to review frontend source code</li> </ul>	<ul style="list-style-type: none"> <li>Attend weekly meeting</li> <li>Demonstrate currunt work and explain future works.</li> </ul>
What will I do		<ul style="list-style-type: none"> <li>check the sprint2 checklist</li> <li>change the page style of whole website</li> </ul>	<ul style="list-style-type: none"> <li>check the sprint2 checklist</li> <li>change the page style of whole website</li> </ul>	<ul style="list-style-type: none"> <li>Perform refactor code</li> </ul>	<ul style="list-style-type: none"> <li>Prepared the presentation</li> <li>Check sprint2 checklist</li> <li>Review all source code include frontend and backend.</li> </ul>
Are there any impediments					

# Week-11 (17/05 ~ 21/05)

Tuesday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>Review unit test</li> <li>Check Sprint2 checklist</li> <li>Fix style issue in front end</li> </ul>			<ul style="list-style-type: none"> <li>Review unit test source code</li> </ul>	<ul style="list-style-type: none"> <li>Check sprint2 checklist</li> <li>Review all source code include frontend and backend.</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Test report</li> </ul>			<ul style="list-style-type: none"> <li>Update CI/CD documentation</li> </ul>	<ul style="list-style-type: none"> <li>Complete all backend unit tests.</li> <li>Re-design academic page's UI.</li> </ul>
Are there any impediments					

Friday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"> <li>Backend unit tests fix bugs</li> <li>Finish Test report</li> </ul>			<ul style="list-style-type: none"> <li>Update CI/CD documentation</li> <li>Prepare for presentation</li> </ul>	<ul style="list-style-type: none"> <li>Complete part of backend unit tests.</li> <li>Re-design academic page's UI</li> <li>Prepared part of the test report and finished some part of the test report.</li> </ul>
What will I do	<ul style="list-style-type: none"> <li>Create demo account</li> <li>Prepare for presentation</li> <li>complete confluence</li> </ul>			<ul style="list-style-type: none"> <li>Update assigned slides for presentation</li> </ul>	<ul style="list-style-type: none"> <li>Complete all backend unit tests.</li> <li>Complete test report.</li> <li>Prepared the presentation</li> <li>Practice the presentation with my team</li> <li>Complete all necessary documents in confluence.</li> <li>Check the sprint2 checklist document finally.</li> </ul>
Are there any impediments					

# Week-12 (24/05 ~ 28/05)

Tuesday

	Yangfan Xu	Jiawei Ren	Jiaqi Ao	Duc Trung	Changhai Ren
What did I do	<ul style="list-style-type: none"><li>• Prepare for presentation</li><li>• Check Confluence</li><li>• Update README in Github</li><li>• Check Heroku</li><li>• Create Example Account for Demo</li></ul>				<ul style="list-style-type: none"><li>• Complete all backend unit tests.</li><li>• Complete test report.</li><li>• Prepared the presentation</li><li>• Practice the presentation with my team</li><li>• Complete all necessary documents in confluence.</li><li>• Check the sprint2 checklist document finally.</li></ul>
What will I do	<ul style="list-style-type: none"><li>• Prepare for presentation</li></ul>				<ul style="list-style-type: none"><li>• Final check all documents in confluence</li><li>• Final review of all source code in GitHub</li><li>• Final source code documents</li><li>• Complete individual contribution</li><li>• Complete individual Report</li></ul>
Are there any impediments					

# PW - Meeting Minutes

## Sprint 0

[Week-2 Weekly Meeting](#)

[Week-3 Weekly Meeting](#)

[Week-3 Weekly Meeting \(Extension\)](#)

## Sprint 1

[Sprint-1 Planning Meeting](#)

[Sprint-1 Weekly Meeting-1](#)

[Sprint-1 Weekly Meeting-2](#)

[Sprint-1 Weekly Meeting-3](#)

[Sprint-1 Weekly Meeting-4](#)

[Sprint-1 Review Meeting](#)

[Sprint-1 Retrospective Meeting](#)

## Sprint 2

[Sprint-2 planning meeting](#)

[Sprint-2 Weekly Meeting-1](#)

[Sprint-2 Weekly Meeting-2](#)

[Sprint-2 Weekly Meeting-3](#)

[Sprint-2 Weekly Meeting-4](#)

[Sprint-2 Review Meeting](#)

[Sprint-2 Retrospective Meeting](#)

# **Sprint 0**

# Week-2 Weekly Meeting

**Meeting of:** PerfectWorld First Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-3-9

**Time:** 9PM - 10:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

First official meeting, no previous meeting.

## Agenda items

1. Choose ePortfolio to extend (Pure && Lazy ePortfolio)
2. Choose scrum master (Yangfan Xu)
3. Choose features to extend (*Show in Feature section*)
4. Choose weekly meeting time (9PM Tuesday)
5. Choose daily stand-up meeting time (12PM Through slack by structured text)
6. Redesign Trello (*Done by Yangfan*)
7. Setting up confluence page (*Done by Yangfan*)

## Action items

No Action items for this meeting

## Features

### Must Done

1. Add a resume page
2. academic page + even page + fun fact page
3. Allow users search on home page based on name, education, and skill set
4. Upload documents with tags
5. search bar with tag
6. User can view their pdf files in browser
7. Allow users to share the website on social networking such as Twitter, Facebook, Linkedin, ...
8. Allow users to add '**Connect with me**' social networking addresses in About Me page
9. In create account step, add more optional information sections
10. Update unit tests for new APIs
11. Add Redux or MobX store to share information between components

### Candidate

- Generate QR Code
- Create a react tour
- Allow users to export their created resume to PDF file
- Add a watermark on the uploaded transcript to ensure that no one can change this file
- Allow user to like/ comment a blog
- Create a progress dashboard so that user know how much he/she completed eportfolio
- FAQ section

## Next meeting

The next Weekly meeting will be at 9PM on 16<sup>th</sup> March at Zoom meeting and Changhai Ren will write the meeting mintue for next meeting.

Approved by: YANGFAN XU Duc Trung Nguyen Changhai Ren Jiawei Ren Jiaqi Ao

# Week-3 Weekly Meeting

**Meeting of:** PerfectWorld Second Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-3-16

**Time:** 9PM - 10:00PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All team members are attended

## Approval of minutes

The second official meeting.

## Agenda items

1. Confirm the confluence document path. (Done by all team mates)
2. Confirm Weekly meeting minutes take turns writing issue
  - a. Yangfan Xu Changhai Ren Duc Trung Nguyen Jiaqi Ao Jiawei Ren
3. Confirm when to settle down all user stories. (8 PM Saturday, Before next meeting )
4. Confirm when to the complete product backlog. ( 8 PM Saturday, During next meeting )
5. Discuss and provide sprint meeting types. (Done by yangfan)
6. Discuss when to decide the roles of the project. ( Before the next weekly meeting)
7. Reading the previous project report. ( Done it during the meeting )
8. Confirm all team members sign in the IP paper. (All team members had been confirmed)

## Action items

No Action items for this meeting

## Next meeting

The next Weekly meeting will be at 9 PM on 20<sup>th</sup> March at the Zoom meeting. Host: @Duc Trung Nguyen)

**Submitted By:** [Changhai Ren](#)

**Approved By:** [Changhai Ren](#) [Jiaqi Ao](#) [@Duc Trung Nguyen](#) [YANGFAN XU](#)

# Week-3 Weekly Meeting (Extension)

**Meeting of:** PerfectWorld Third Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-3-20

**Time:** 9PM - 10:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

The minutes of the previous meeting were unanimously approved as distributed.

## Agenda items

1. Read through all these user stories and score points for them and assign them into team members (Done, List in UserStory Section)
2. Who do what backlogs or roles? (Can be seen in Trello and UserStory Section)
3. Guarantee everyone can run this project before week4 weekly meeting (Done)
4. Deciding the start time of sprint 1 (Week 4 Monday)
5. Starting our own team daily-stand-up meeting (Start from next week, Tuesday, Friday, Sunday before 11AM)
6. Mention everyone about the inception (Done)

## Action items

No Action items for this meeting

## Next meeting

The next meeting will be a weekly meeting and also the sprint planning meeting. It will be held at 9PM on 23<sup>th</sup> March at Zoom meeting and [Jiaqi Ao](#) will write the meeting minute for next meeting.

Minutes submitted by: [Duc Trung Nguyen](#)

Approved by: [YANGFAN XU](#) Changhai Ren

# **Sprint 1**

# Sprint-1 Planning Meeting

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-3-23

**Time:** 9PM - 10:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. UI Designs for all webpages in sprint 1 and discuss all major details (done by all team members)
  - a. High level: no moved navigation bar
  - b. Size is 16 : 9
2. Data structure of each webpage in sprint 1 and discuss all major details (Done during project)
3. Looking through the structure of code made by Pure && Lazy in high level (next meeting)
4. Creating mongoDB dataset together in the end of the meeting (next meeting)
5. Mention Trung to exchange meeting minute into suitable way and timeline issue (Done)
6. Who knows the software to design the UI ([draw.io](#))
7. Login Webpage redesign? (Will be done by Jiaqi)
8. Daily-stand up issue? (Done in confluence space)
9. Design one main page in sprint 2 (Agree by everyone)

## Action items

- complete interface design
- mention team member to complete daily standup

Action Item	Owner	Deadline	Status
Resume Page	Trung	04/18	InProgress
Academic Page	Changhai	04/18	InProgress
Event Page	Yangfan	04/18	InProgress
FunFact Page	Jiawei	04/18	InProgress
Register Page	Jiaqi	04/18	InProgress
Draw Timeline	Yangfan	03/26	InProgress
Finish Inception	All teammembers	03/31	InProgress

## Next meeting

The next Weekly meeting will be at 9PM on 30<sup>th</sup> March at Zoom meeting and [Jiawei Ren](#) will write the meeting minutes for next meeting.

Minutes submitted by: [Jiaqi Ao](#)

Approved by: [YANGFAN XU](#) [Duc Trung Nguyen](#) [Changhai Ren](#) [Jiawei Ren](#) [Jiaqi Ao](#)

# Sprint-1 Weekly Meeting-1

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-3-26

**Time:** 14PM - 14:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. Mention team members to write tasks (write it in Trello) (Done everyone will do this by themselves)
2. Talking about the roles (Jiaqi-> quality manager; Trung-> Architecture leader; Changhai-> Deployment leader)
3. Confluence issue(Team decide to reorganise the daily standup page)
4. Inception issues (trung will do requirements artefacts; Yangfan will do timeline things)
5. Everyone explains exactly what he will do before the next weekly meeting(Reading source code of the project)
6. Read code structure together (Trung will do this for the team)

## Action items

- complete most part of the inception report
- have a brief discussion about the works to be done in the following days.

Action Item	Owner	Deadline	Status
Draw Timeline	Yangfan	03/26	Done
Writing project overview	Yangfan	03/26	Done
Reorganize code structure	Trung	03/31	InProgress
Draw architectural design	Trung	03/31	InProgress
Learning Typescript	All team members	03/31	InProgress
Deal with github inception	Trung	03/31	InProgress

## Next meeting

The next sprint weekly meeting will be at 9 PM on 30<sup>th</sup> March at Zoom meeting and [YANGFAN XU](#) will write the meeting minutes for the next meeting.

Minutes submitted by [Jiawei Ren](#)

Approved by: [YANGFAN XU](#) Duc Trung Nguyen Changhai Ren Jiawei Ren Jiaqi Ao

# Sprint-1 Weekly Meeting-2

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-3-30

**Time:** 9PM - 9:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. Recheck all inception lists
2. Discuss the code structure
3. Discuss Github inception things
4. Mention team members to work more during sprint 1

## Action items

Action Item	Owner	Deadline	Status
Initialize event page	Yangfan	04/04	InProgress
Initialize Resume page	Trung	03/30	Done
Initialize Academic page	Changhai	04/05	InProgress
Learning typescript unit test	Jiaqi	01/04	InProgress
MangoDB setting for dev.	jiawei	04/04	InProgress
Show Information on Resume page	Trung	08/04	InProgress

## Next meeting

The next Weekly meeting will be at 9PM on 30<sup>th</sup> March at Zoom meeting and [Changhai Ren](#) will write the meeting minutes for next meeting.

Minutes submitted by: [YANGFAN XU](#)

Approved by: [YANGFAN XU](#) Duc Trung Nguyen Changhai Ren Jiawei Ren Jiaqi Ao

# Sprint-1 Weekly Meeting-3

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-4-6

**Time:** 7PM - 7:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. Explaining everyone's plan
2. Prepare for the test
3. Show what you have done
4. Explain what problem you face
5. Help other teammates to solve the problem.
6. Remind teammate deadline of

## Action items

Action Item	Owner	Deadline	Status
Finish event page UI	Yangfan	04/07	InProgress
Show information on the Resume page	Trung	04/09	InProgress
Fully complete the academic page	Changhai	04/09	InProgress
Complete the test plan and change sign up information page to the new one	Jiaqi	10/04	InProgress
Finish logic and frontend for Aboutme Page	jiawei	04/04	InProgress
Finish eventPage frontEnd	Yangfan	04/10	InProgress

## Next meeting

The next Weekly meeting will be at 9PM on 13<sup>th</sup> April at Zoom meeting and [Duc Trung Nguyen](#) will write the meeting minutes for next meeting.

Minutes submitted by: [Changhai Ren](#)

Approved by: [YANGFAN XU](#) [Duc Trung Nguyen](#) [Jiaqi Ao](#) [Jiawei Ren](#)

# Sprint-1 Weekly Meeting-4

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-4-12

**Time:** 9PM - 10:00PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. solve problems we face
2. codes that need corporate and discuss(delete/ modify/ add)
3. reorganize client part code(maybe) ?
4. Event page/ Fun fact page issue with project page
5. delete/ modify Admin page
6. add which home page
7. The rest thing we need to do in sprint1

## Action items

Action Item	Owner	Deadline	Status
Change the layout of the event page so that users can easily get date times and event title for all events	Yangfan	04/18	InProgress
Allow users to add, edit, and delete information on the Resume page	Trung	04/18	InProgress
Complete implementation for the academic page	Changhai	04/18	InProgress
Allow users to add more information on Profile page	Jiaqi	04/18	InProgress
Complete implementation for Aboutme page	jiawei	04/18	InProgress

## Next meeting

The next Weekly meeting will be at 9PM on 18<sup>th</sup> April at Zoom meeting and [Jiawei Ren](#) will write the meeting minutes for next meeting.

Minutes submitted by: [Duc Trung Nguyen](#)

Approved by: [YANGFAN XU](#) [Changhai Ren](#) [Jiaqi Ao](#) [Jiawei Ren](#)

# Sprint-1 Review Meeting

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-4-17

**Time:** 8PM - 9:00PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. Everyone demonstrate what they have done for sprint 1
2. Merge the code of all team members into sprint1 branch
3. Test all finished functions
4. Discuss what pre-things should be done before sprint 2
5. Update product backlogs

## Finished UserStories

Name	UserStoryID	Points
Duc Trung	ID-1	12
Changhai Ren	ID-2	9
Yangfan Xu	ID-3	6
Jiawei Ren	ID-4	6
Jiawei Ren && Jiaqi Ao	ID-10 && ID-12	3
Jiaqi Ao	ID-11	3
All team members	ID-13	5

## Next meeting

The next meeting will be at 9 PM on 17<sup>th</sup> April at the Zoom meeting and all team members will write the meeting minutes for the next meeting (sprint1 repository meeting).

Minutes submitted by: [YANGFAN XU](#) Duc Trung Nguyen Changhai Ren Jiaqi Ao Jiawei Ren

Approved by: [YANGFAN XU](#) Changhai Ren Jiaqi Ao Jiawei Ren Duc Trung Nguyen

# Sprint-1 Retrospective Meeting

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-4-17

**Time:** 9PM - 10:00PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

### Reflections for sprint 1

Achieved in Sprint 1	Didn't achieved in Sprint 1
<ul style="list-style-type: none"><li>• All features for the Resume page</li><li>• ALL features for the Event page</li><li>• Most features for the Academic page</li><li>• All features for the Fun fact page</li><li>• Most features for the AboutMe page</li><li>• Reorganise service part code</li></ul>	<ul style="list-style-type: none"><li>• Improve the UI design for event page</li><li>• Delete image function for Academic page</li><li>• UI design for Academic page</li><li>• UI design for fun fact page</li></ul>

What did we do well	What could we have done better
<ul style="list-style-type: none"><li>• Conduct meeting once or twice a week to track progress and discuss issues</li><li>• Willing to learn new technologies</li></ul>	<ul style="list-style-type: none"><li>• Should plan tasks for all assigned user stories at the beginning of the sprint, put them to Trello to track sprint progress</li><li>• Should strictly follow Git conventional commits</li><li>• Improve technical skills: React, Typescript, Express and MongoDB</li><li>• Do the functional test and report bugs on Trello</li><li>• Clearly define acceptance criteria for each user story</li><li>• Set up CI/CD to provide a package to perform testing</li></ul>

## Next meeting

The next Weekly meeting will be at 9 PM on 20<sup>th</sup> April at the Zoom meeting and all team members will write the meeting minutes for the next meeting (sprint2 planning meeting).

Minutes submitted by: [YANGFAN XU](#) Duc Trung Nguyen Changhai Ren Jiaqi Ao Jiawei Ren

Approved by: [YANGFAN XU](#) Changhai Ren Jiaqi Ao Jiawei Ren Duc Trung Nguyen

## **Sprint 2**

# Sprint-2 planning meeting

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-4-20

**Time:** 9 PM - 10 PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attend

## Approval of minutes

official meeting

## Agenda items

1. Discuss what we should do for sprint 2 (Update user stories in confluence part)
2. Assign user stories to individuals (List in action items)
3. Mention the knowledge we should learn for sprint 2 (List on slack)
4. Create Trello items for sprint 2 (Done all teammates)

## Action items

Action Item	Owner	Deadline	Status
UserStory-5	Trung	05.16	In Progress
UserStory-6	Trung	05.16	In Progress
UserStory-14	Trung	05.16	In Progress
UserStory-7	Yangfan	05.16	In Progress
UserStory-8	Yangfan && Changhai	05.16	In Progress
UserStory-9	Jiawei && Jiaqi	05.16	In Progress
UserStory-2	Changhai	04.25	In Progress
UserStory-15	Jiaqi	05.16	In Progress
UserStory-13	All team members	05.16	In Progress
UserStory-16	All team members	05.16	In Progress

## Next meeting

The next Weekly meeting will be at 9 PM on 27<sup>th</sup> March at Zoom meeting and Jiaqi Ao will write the meeting minutes for next meeting.

Minutes submitted by: [YANGFAN XU](#) Duc Trung Nguyen Changhai Ren Jiawei Ren Jiaqi Ao

Approved by: [YANGFAN XU](#) Duc Trung Nguyen Changhai Ren Jiawei Ren Jiaqi Ao

# Sprint-2 Weekly Meeting-1

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-3-23

**Time:** 9PM - 10:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. Sprint1 checklist (done by all team members)
2. Sprint 1 tag (done by trung)
3. Sprint 2 branch (done by trung)
4. Everyone shows what they have done (done by all team members)
5. Everyone shows what they think it is difficult (merge issue)
6. Can we view webPages without login? (Yes, we can)
7. Update Motivation model(by yangfanXU)

## Action items

- complete checklist
- mention team member to complete daily standup

Action Item	Owner	Deadline	Status
test report	Trung&&JIAQI AO	04/30	InProgress
sprint2 Checklist	All members	04/30	InProgress
sprint2 interface page	All members	04/30	InProgress

## Next meeting

The next Weekly meeting will be at 9PM on 4<sup>th</sup> May at Zoom meeting and JIAWEI REN will write the meeting minutes for next meeting.

Minutes submitted by: [Jiaqi Ao](#)

Approved by: [Jiaqi Ao](#) [YANGFAN XU](#) [Duc Trung Nguyen](#) [Changhai Ren](#) [Jiawei Ren](#)

# Sprint-2 Weekly Meeting-2

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-5-4

**Time:** 9PM - 10:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. 1. Show what we have done
2. Show problems we are facing
3. What we will do next
4. Sprint 2 checklist is coming (based on the feedback of sprint 1 checklist)
5. Add one user story to sprint 2

## Action items

- Discussion about deployment issue.
- mention team member to complete daily standup

## Next meeting

The next Weekly meeting will be at 9PM on 11<sup>th</sup> May at Zoom meeting and YANGFAN XU will write the meeting minutes for next meeting.

Minutes submitted by: [Jiawei Ren](#)

Approved by: [Jiaqi Ao](#) [YANGFAN XU](#) [Duc Trung Nguyen](#) [Changhai Ren](#) [Jiawei Ren](#)

# Sprint-2 Weekly Meeting-3

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-5-11

**Time:** 9PM - 9:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. Show what we have done
2. Show problems we are facing
3. Update user-story in confluence && Kanban board
4. Presentation workload distribution
5. Sprint 2 checklist workload distribution

## Action items

- mention team member to complete daily standup

## Next meeting

The next Weekly meeting will be at 9 PM on 18<sup>th</sup> May at Zoom meeting and Changhai Ren will write the meeting minutes for next meeting.

Minutes submitted by: [YANGFAN XU](#)

Approved by: [Jiaqi Ao](#) [YANGFAN XU](#) [Duc Trung Nguyen](#) [Changhai Ren](#) [Jiawei Ren](#)

# Sprint-2 Weekly Meeting-4

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-5-18

**Time:** 9PM - 9:30PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. Show Individual Report Template
2. Create the PPT presentation document and share the document link.
3. Explain and discuss the structure of the presentation and expect time.
4. Remind team members to prepare the first version presentation before the next meeting.
5. Prepared final product before next weekly meeting.

## Action items

- mention team member to complete daily standup
- mention team member check the template of individual report

## Next meeting

The next Weekly meeting will be at 9 PM on 25<sup>th</sup> May at the Zoom meeting and [Duc Trung Nguyen](#) will write the meeting minutes for the next meeting.

Minutes submitted by: [YANGFAN XU](#)

Approved by: [Jiaqi Ao](#) [YANGFAN XU](#) [Duc Trung Nguyen](#) [Changhai Ren](#) [Jiawei Ren](#)

# Sprint-2 Review Meeting

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-5-24

**Time:** 8PM - 8:45PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

1. Everyone demonstrate what they have done for sprint 2
2. Merge the code of all team members into sprint1 branch
3. Test all finished functions
4. Update product backlogs

## Finished UserStories

Name	UserStoryID	Points
Duc Trung	ID-5	10
Duc Trung	ID-6	3
Yangfan Xu	ID-7	6
Changhai Ren && Yangfan Xu	ID-8	5
Jiawei Ren && Jiaqi Ao	ID-9	7
Jiawei && Jiaqi && Yangfan && Changhai	ID-14	6
Jiaqi Ao	ID-15	3
All team members	ID-16	5

## Next meeting

The next meeting will be at 9 PM on 24<sup>th</sup> May at the Zoom meeting and all team members will write the meeting minutes for the next meeting (sprint2 repository meeting).

Minutes submitted by: [YANGFAN XU](#) [Duc Trung Nguyen](#) [Changhai Ren](#) [Jiaqi Ao](#) [Jiawei Ren](#)

Approved by: [YANGFAN XU](#) [Changhai Ren](#) [Jiaqi Ao](#) [Jiawei Ren](#) [Duc Trung Nguyen](#)

# Sprint-2 Retrospective Meeting

**Meeting of:** PerfectWorld Official Meeting

**Held at:** Zoom Meeting

**Date:** 2021-5-24

**Time:** 9PM - 10:00PM

## Present:

Yangfan Xu, Duc Trung Nguyen, Changhai Ren, Jiawei Ren, Jiaqi Ao

## Apologies:

All attended

## Approval of minutes

official meeting

## Agenda items

### Reflections for sprint 2

Achieved in Sprint 2	Didn't achieved in Sprint 2
<ul style="list-style-type: none"><li>• Improve project and blog page modal</li><li>• Print function for resume page and academic page</li><li>• Share function in AboutMe page</li><li>• Remove admin page</li><li>• Change original jump logic</li><li>• Re-design UI on academic page</li><li>• Support users to upload certificates and academic transcripts on the Resume page</li><li>• Set up CI/CD pipeline.</li><li>• Unit test for sprint1 and sprint2 back end part</li></ul>	<ul style="list-style-type: none"><li>• Better UI Design</li><li>• Security test</li></ul>

What did we do well	What could we have done better
<ul style="list-style-type: none"><li>• Communication and Cooperation</li><li>• Great document job</li><li>• Follow the schedule</li><li>• Nice using of branches in Github</li><li>• Nice code structure</li></ul>	<ul style="list-style-type: none"><li>• More active on slack</li><li>• More careful use of Trello</li></ul>

## Next meeting

There will be the end of the project. No more meeting recording.

Minutes submitted by: [YANGFAN XU](#) Duc Trung Nguyen Changhai Ren Jiaqi Ao Jiawei Ren

Approved by: [YANGFAN XU](#) Changhai Ren Jiaqi Ao Jiawei Ren Duc Trung Nguyen

# **PW - Quality Management**

# TypeScript Coding Standards

## Naming convention of variable/method/class names

- Variable Names: camelCase
- Constants: UPPER\_CASE with underscore '\_' between multiple words
- Method Names: camelCase
- Class Names: PascalCase

**Mention data types of variables while declaration and for method parameters**

**Avoid the use of type 'any'. Create an interface/class instead**

**Keep method/variable names as informative as possible**

**Use data access specifiers while declaring variables/methods (Like public/private etc)**

**Use TSLint and make sure not to disable any lint rule. TSLint extension should be enabled in order to include lint rules in the project**

**Scope of the variables should be as minimum as possible**

**Avoid using repetitive if else (Use switch case instead)**

**Use try catch to handle the error and exceptions. Make sure there is no unhandled exception in your code**

**Always log the errors and relevant information. This helps in debugging the code in case of errors**

**Add TODOs for pending code blocks**

**Reuse the code as much as possible and remove unnecessary code blocks**

Check [here](#) for the full content.

# React Coding Standards

## Don't use public accessor within classes

All members within the class are public by default (and always public in runtime, TS private/protected will "hide" particular class properties/methods only during compile time). Don't introduce extra churn to your codebase. Also using public accessor is not "valid/idiomatic javascript"

## Don't use a private accessor within Component class

private accessor won't make your properties/methods on class private during runtime. It's just TypeScript "emulation during compile time". Don't get fooled and make things "private" by using well-known patterns like:

- name starting with underscore `_someProp`
- or if you really wanna make those properties private use `Symbol` for defining those. ( real runtime private properties are coming to ECMAScript )

## Don't use protected accessor within Component class

Using protected is an immediate "RED ALERT" in terms of functional patterns leverage with React. There are more effective patterns like this for extending behavior of some components. You can use:

- just extract the logic to separate component and use it as seen above
- HoC (high order function) and functional composition.
- CaaF (children as a function)

## Don't use enum

- To use enum within TypeScript might be very tempting, especially if you're coming from languages like C# or Java. But there are better ways how to interpret both with well-known JS idiomatic patterns or as can be seen in "Better" example just by using compile-time type literals.
- Enums compiled output generates unnecessary boilerplate
- Non string Enums don't narrow to proper number type literal, which can introduce unhandled bug within your app
- It's not standard/idiomatic JavaScript (although enum is reserved word in ECMA standard)
- Cannot be used with babel for transpiling

## Don't use the constructor for class Components

There is really no need to use a constructor within React Component. If you do so, you need to provide more code boilerplate and also need to call super with provided props ( if you forget to pass props to your super, your component will contain bugs as props will not be propagated correctly)

## Don't use decorators for class Components

- You won't be able to get the original/clean version of your class
- TypeScript uses an old version of the decorator proposal which isn't gonna be implemented in ECMAScript standard
- It adds additional runtime code and processing time execution to your app
- What is most important though, in terms of type checking within JSX, is, that decorators don't extend class type definition. That means (in our example), that our Container component, will have absolutely no type of information for consumer about added/removed props

## Use lookup types for accessing component State/Props types

- Exporting Props or State from your component implementation is making your API surface bigger.
- You should always ask a question, why consumers of your component should be able to import explicit State/Props type? If they really need that, they can always access it via type lookup functionality. So cleaner API but type information is still there for everyone.
- If you need to provide a complex Props type though, it should be extracted to models/types file exported as Public API.

## Always provide an explicit type for children Props

- children prop is annotated as optional within both Component and Functional Component in react.d.ts which just mirrors the implementation of how React handles children.
- While that's ok and everything, I prefer to be explicit with component API.
- if you plan to use children for content projection, make sure to explicitly annotate it with the type of your choosing and in the opposite, if your component doesn't use it, prevent its usage with never type.

## Use type inference for defining Component State or DefaultProps

- Less type boilerplate
- More readable code
- by adding read-only modifier and freezing the object, any mutation within your component will immediately end with a compile error, which will prevent any runtime error = happy consumers of your app!

## When using function factories instead of classes for models/entities, leverage declaration merging by exporting both type and implementation

- Less Boilerplate
- One token for both type and implementation / Smaller API
- Both type and implementation are in sync and most importantly, implementation is the source of truth

## Use default import to import React

- It's confusing to import all contents from react library when you're not using them.
- It's more aligned to "idiomatic JS"
- You don't need to import types defined on React namespace like you have to do with Flow as TS support declaration merging
- The "consider" example is even more explicit what is used within your module and may improve tree-shaking during compile time.

## Don't use namespace

- namespace was kinda useful in pre ES2015 modules era. We don't need it anymore.
- Cannot be used with babel for transpiling

## Don't use ES2015 module imports when importing types without any run-time code

- Your code is explicit for both humans and machines. If you don't use any run-time code, annotate your code only via import('path')
- check this great post from David East to learn more

## Declare types before run-time implementation

- The first lines of the document clearly state what kind of types are used within the current module. Also, those types are compiled only code
- run-time and compile-time declarations are clearly separated
- in component user immediately knows what the component "API" looks like without scrolling

## Don't use method declaration within interface/type alias

- --strictFunctionTypes enforces stronger type checks when comparing function types, but does not apply to methods. Check TS wiki to learn more
- explanation from TS issue
- consistency, all members of type/interface are defined via the same syntax

## Don't use number for indexable type key

- In JavaScript object properties are always typeof string! don't create false type predicates within your apps!
- Annotating keys with number is OK for arrays (array definition from standard .d.ts lib), although in real life you should rarely come into a situation that you wanna define "custom" array implementation

## Don't use JSX.Element to annotate function/component return type or children/props

- TypeScript supports locally scoped JSX to be able to support various JSX factory types and proper JSX type checking per factory. While current react types use still the global JSX
- namespace, it's gonna change in the future.
- explicit types over-generalized ones

## Use type alias instead of interface for declaring Props/State

- consistency/clearness. Let's say we use tip no.8 (defining state type from implementation). If you would like to use an interface with this pattern, you're out of luck, as that's not allowed within TypeScript
- interface cannot be extended by types created via union or intersection, so you would need to refactor your State/Props interface to type alias in that case.
- interfaces can be extended globally via declaration merging, if you wanna provide that kind of capabilities to your users you're doing it wrong (exposing "private" API)

## Don't use FunctionComponent<P>/FC<P> to define a function component

- consistency/simplicity (always prefer familiar vanilla JavaScript patterns without too much type noise/magic)
- FC defines optional children on props, which is not what your API may support as explained in tip no 8. API should be explicit!
- FC breaks defaultProps type resolution (introduced in TS 3.1) and unfortunately all other "static" props as well

Check [here](#) for the full specification.

# JavaScript Coding Standards

## When comparing use === instead of ==

This is important due to JavaScript being a dynamic language so using == might give you unexpected results due to it allowing the type to be different.

## Never use var use let instead

A simple one, using let will help with any scoping issues var causes in JavaScript.

## Use const instead of let

This stops developers trying to changing things they shouldn't and really helps with readability.

## Always use semicolons (;)

Although this is optional in JavaScript as semicolons are not needed as statement terminators like other languages. Using a ; really helps to keep the code consistent and a great for statement separators.

## Naming conventions in JavaScript

- let should be camelCase
- const if at the top of a file use upper case snake case. MY\_CONST . If not at the top of the file use camelCase
- class should be PascalCasing. MyClass
- functions should be camelCase . myFunction

## Use template literals when contacting strings

Template literals are string literals allowing embedded expressions.

Fail:

```
let fullName = firstName + " " + lastName;
```

Pass:

```
let fullName = `${firstName} ${lastName}`;
```

## Use ES6 arrow functions where possible

Arrow functions are a more concise syntax for writing function expression. They're anonymous and change the way this binds in functions.

Fail(s):

```
var multiply = function(a, b) {
  return a * b;
};
```

Pass:

```
const multiply = (a, b) => { return a * b};
```

## Always use curly braces around control structures

Braces are required for all control structures (i.e. if, else, for, do, while, as well as any others)

This can divide opinion with one line if statements but the number of times this has caused mistakes when not using a curly brace. This can cause developers to add other statements underneath thinking the conditional statement is surrounding it.

## Try and reduce nesting

An if within if can get messy and very hard to read, very quickly. Sometimes you may not be able to get around but always have a look at the structure of your JavaScript to see if you can change it around.

## Lowercase file names

MyFile.js should be myFile.js

## **Use default parameters where possible**

In JavaScript, if you don't pass in a value into a parameter when calling a function it will be undefined

## **Switch statements should use break and have default**

I usually try and discourage the use of switch statements but you really want to use them make sure you break each condition and use a default .

## **Use named exports**

Do not use default exports. Importing modules must give a name to these values, which can lead to inconsistencies in naming across modules.

## **Use shortcuts for booleans**

Fail:

```
if (isValid === true)  
if (isValid === false)
```

Pass:

```
if (isValid)  
if (!isValid)
```

## **Try and avoid unneeded ternary statements**

Fail:

```
const boo = a ? a : b;
```

Pass:

```
const boo = a || b;
```

## **Only use one variable per declaration**

This one can split opinion again but I feel declaring more than one at a time, they can get missed at times.

Fail:

```
let a = 1, b = 2;
```

Pass:

```
let a = 1;  
let b = 2;
```

Check [here](#) for the full standards.

# GIT Workflow

1. Create your **own branch** from the **sprint branch** (sprint1, sprint2). We **must not directly commit** codes to the **main** and **sprint branch**
2. Work on your **own branch**, and **merge to sprint branch**.
3. At the end sprint, we will **merge the sprint branch to the main**, and **create a tagged release**.
4. Note that you don't need to wait for all features in your assigned user story to complete before pushing to the sprint branch. At the end of your working day, create a pull request to **merge to the sprint branch** when some features are ready.
5. When starting a new working day, **merge the sprint branch to your branch**. By doing that, all team members will have all changes.

# Conventional Commits

The Conventional Commits provides an easy set of rules for creating an explicit commit history; which makes it easier to write automated tools on top of. This convention describes the features, fixes, and breaking changes made in commit messages:

1. **fix**: a commit of the type fix patches a bug in your codebase.
2. **feat**: a commit of the type feat introduces a new feature to the codebase.
3. **BREAKING CHANGE**: a commit that has a footer BREAKING CHANGE:, or appends a ! after the type/scope, introduces a breaking API change. A BREAKING CHANGE can be part of commits of any type.
4. **types other than fix**: and feat: are allowed, for example [@commitlint/config-conventional](#) (based on the [the Angular convention](#)) recommends build:, chore:, ci:, docs:, style:, refactor:, perf:, test:, and others.
5. **footers other than BREAKING CHANGE**: <description> may be provided and follow a convention similar to [git trailer format](#).

## Examples

### Commit message with description and breaking change footer

```
feat: allow provided config object to extend other configs  
BREAKING CHANGE: `extends` key in config file is now used for extending other config files
```

### Commit message with ! to draw attention to breaking change

```
refactor!: drop support for Node 6
```

### Commit message with both ! and BREAKING CHANGE footer

```
refactor!: drop support for Node 6  
BREAKING CHANGE: refactor to use JavaScript features not available in Node 6.
```

### Commit message with no body

```
docs: correct spelling of CHANGELOG
```

### Commit message with scope

```
feat(lang): add polish language
```

### Commit message with multi-paragraph body and multiple footers

```
fix: correct minor typos in code
```

Check [here](#) for the full specification.

# Code Review Check List

ID	Category	Description
1	General	Does the code work?
2		Description of the project status is included.
3		Code is easily understood.
4		Code is written following the coding standards/guidelines
5		Code is in sync with existing code patterns/technologies
6		Is the same code duplicated more than twice?
7		Can the code be easily tested?
8		Are functions/classes/components reasonably small (not too big)?
9		Event listeners removed at teardown.
10		Naming conventions followed for variables, file names, translations.
11		Removed unused packages from NPM.
12		Separation of Concerns followed.
13	Code Style	No hardcoded values, use constants values.
14		Avoid multiple if/else blocks.
15		No commented out code.
16		No unnecessary comments: comments that describe the how.
17		Add necessary comments where needed. Necessary comments are comments that describe the why.
18	ES6/7	Use spread/rest operator.
19		Use const over let (avoid var).
20		Use import and export.
21		Use template literals.
22		Use destructuring assignment for arrays and objects.
23		Use Promises or Asyns/Await. Rejection is handled.
24	React	Keep components small.
25		No state updates in loop.
26		No useless constructor.
27		Minimize logic in the render method.
28		Don't use mixins, prefer HOC and composition.

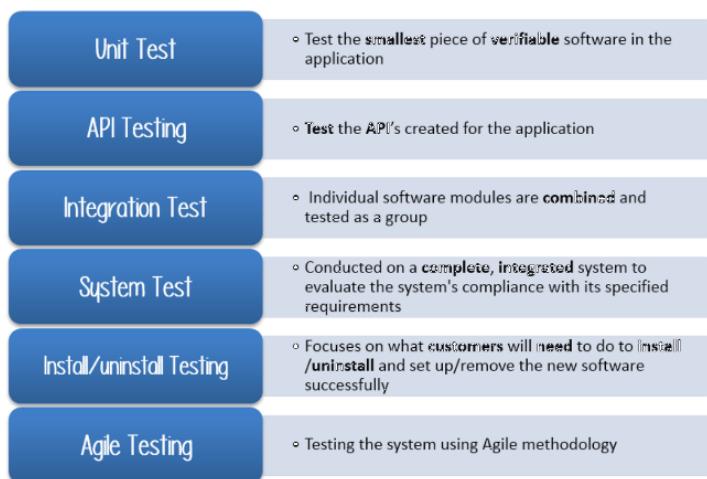
# PW - Test Plan Report

## Analyze the product

The purpose of this website is to provide job seekers to build their own resumes. This product will be created and run with MongoDB using the TypeScript language on top of the basic JavaScript front-end architecture.

## Develop Test Strategy

- Define Scope of Testing
  1. "in scope"
    - a. Normal jump of front-end interface.
    - b. Normal implementation of each function.
    - c. The middleware is functioning properly.
    - d. Normal connection and reasonable data structure of the database.
    - e. Proper operation of the backend server.
  2. "out of scope."(Don't consider)
    - a. Site load.
    - b. Whether the function of the website is strong.
- Identify Testing Type



We will be mainly responsible for **unit testing** and **API testing**. When the website is complete, we will carry out a system test on the whole system.

**Unit testing** is to test whether each method can run successfully.

**API testing** in order to test the performance of each page of this website.

- Document Risk & Issues

Risk	Mitigation
Team member lack the required skills for website testing.	Plan <b>training course</b> to skill up your members
The project schedule is too tight; it's hard to complete this project on time	Set <b>Test Priority</b> for each of the test activity.
Test Manager has poor management skill	Plan <b>leadership training</b> for manager
A lack of cooperation negatively affects your employees' productivity	<b>Encourage</b> each team member in his task, <b>and inspire</b> them to greater efforts.
Wrong budget estimate and cost overruns	Establish the <b>scope</b> before beginning work, pay a lot of attention to project planning and constantly track and measure the progress

- Create Test Logistics

Every developer should unit test the feature once it's done. API testing when doing business with other developers. Record and conclusion are given after each test.

## Test Criteria

1. Make sure that each function works successfully
2. Every test must be guaranteed to pass(at least p2).
3. Only if the test passes can we proceed to the next step

## Test Evaluation

Test Metrics	emergency level
p0	This problem is very urgent and will affect the operation of the entire system. Need to be dealt with immediately.
p1	There will be problems that must be dealt with and need to be resolved within three days.
p2	The test problem does not affect normal use, but some components may have display problems.
pass	Pass all tests and meet the expected results.

# Test Report Template - Sprint1

## Test Report Model

### The goal of the test:

User story:

- aaaaa
- bbbbb

### Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
aaaaa			
.....	yes	p3=>pass	4.15-4.18
bbbbbb			
.....	yes	p2=>pass	4.6-4.10
.....	yes	p2=>pass	4.12-4.15

### Test Conclusion

.....

# Test Report For Changhai Ren - Sprint1

## Test Report Model

### The goal of the test:

User story:

- As a user, I want to create an academic page, so that I can highlight my qualifications, scholarly works, honours, and awards.

### Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
As a user, I want to create an academic page, so that I can highlight my qualifications, scholarly works, honours, and awards.			
Whether the image can add?	Yes	p2 => pass	4.20 - 4.24
Whether the image can be deleted?	Yes	p2 => pass	4.24 - 4.26
Whether the new academic papers or qualification can be added?	Yes	p0 => pass	4.05 - 4.09
Whether all academic papers can show on the signal card after created new academic papers.	Yes	p2 => pass	4.09 - 4.13
Whether academic card can be edited?	Yes	p1 => pass	4.15 - 4.18
Whether edited academic paper can be saved and update?	Yes	p2 => pass	4.17 - 4.18
Whether academic card can be deleted?	Yes	p2 => pass	4.18 - 4.20
Whether academic card can view full academic paper?	Yes	p0 => pass	4.19-4.20

### Test Conclusion

During the whole process of sprint1, we did not encounter major problems with our individual tests. But at the same time, we encountered the problem of real-time data reading from the database and the web page. But we all got a successful solution and achieved the desired effect.

# Test Report For JIAQI AO -Sprint1

## The goal of the test:

User story:

- As a user, I want to add more personal information when creating an account so that I can express more about myself.

## Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
As a user, I want to add more personal information when creating an account so that I can express more about myself.			
Whether the data can be saved and updated	yes	p0=>pass	4.3-4.10
Whether the birth date can be accurately selected	yes	p3=>pass	4.15-4.18
Whether to allow other web pages to read the database of the personal information interface	yes	p1=>pass	4.3-4.6
Whether to upload other websites link to database.	yes	p2=>pass	4.6-4.10
Whether the about me context can be edited.	yes	p2=>pass	4.12-4.15

## Test Conclusion

During the whole process of sprint1, we encountered different problems about the database and web pages, and they were all solved successfully and the expected results were achieved.

# Test Report For Jiawei Ren - Sprint 1

## The goal of the test:

User story:

- ID-04: As a user, I want to create a fun fact page, so that I can put all my hobbies.

## Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
ID-04: As a user, I want to create a fun fact page, so that I can put all my hobbies.			
Whether the funfact name can be added?	yes	p0=>pass	4.11-4.14
Whether the funfact name can be edited?	yes	p0=>pass	4.11-4.14
Whether the funfact name can be deleted?	yes	p0=>pass	4.11-4.14
Whether the funfact content can be added?	yes	p0=>pass	4.17-4.20
Whether the funfact content can be edited?	yes	p0=>pass	4.17-4.20
Whether the funfact content can be deleted?	yes	p0=>pass	4.17-4.20

## Test Conclusion

During the whole process of sprint1, we encountered different problems about the data transmitting between pages, and they were all solved successfully and the expected results were achieved.

# Test Report For Trung Nguyen - Sprint1

## Test Goal

User story:

- As a user, I want to create my resume on ePorfolio system, so that I can highlight my skills, experience, and achievements.

## Test Evidence

All test evidence is located in [\test\testevidence\us\\_01](#) folder in the GitHub repository.

## Test Sumary

Test Case ID	Test Case Description	Test Result	The severity of the problem	Test and Fix schedule
TC_US_01_01	Resume is displayed on Main Navigation Bar after users successfully logged into the system.	Passed	p0 => pass	04/12 ~04/16
TC_US_01_02	Resume content is displayed when users click on Resume on Main Navigation Bar.	Passed	p0 => pass	04/12 ~04/16
TC_US_01_03	Add More, Edit, and Delete buttons are displayed when users click on View as editor of Footer Bar.	Passed	p0 => pass	04/12 ~04/16
TC_US_01_04	Qualification dialog will be displayed when users click on Add More button of Education section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_05	Qualification dialog will be displayed when users click on Edit icon of each qualification in Education section. And, all information on this qualification will be displayed in dialog.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_06	Users can add qualification in Education section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_07	Users can edit qualification information in Education section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_08	Users can delete a qualification in Education section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_09	The system show error messages on Qualification dialog when users input invalid values and then click on Submit button.	Passed	p2 => pass	04/12 ~04/16
TC_US_01_10	Award dialog will be displayed when users click on Add More button of Awards section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_11	Award dialog will be displayed when users click on Edit icon of each award in Awards section. And, all information on this award will be displayed in the dialog.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_12	Users can add award in Awards section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_13	Users can edit award information in Awards section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_14	Users can delete an award in Awards section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_15	The system show error messages on Award dialog when users input invalid values and then click on Submit button.	Passed	p2 => pass	04/12 ~04/16
TC_US_01_16	Certificate dialog will be displayed when users click on Add More button of Certificates section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_17	Certificate dialog will be displayed when users click on Edit icon of each certificate in Certificates section. And, all information on this certificate will be displayed in the dialog.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_18	Users can add certificate in Certificates section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_19	Users can edit certificate information in Certificates section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_20	Users can delete a certificate in Certificates section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_21	The system show error messages on Certificate dialog when users input invalid values and then click on Submit button.	Passed	p2 => pass	04/12 ~04/16
TC_US_01_22	Exprience dialog will be displayed when users click on Add More button of Work section.	Passed	p1 => pass	04/12 ~04/16
TC_US_	Exprience dialog will be displayed when users click on Edit icon of each experience in Work section. And,	Passed	p1 => pass	04/12 ~04/16

01_23	all information on this experience will be displayed in the dialog.			
TC_US_01_24	Users can add experience in Work section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_25	Users can edit experience information in Work section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_26	Users can delete an experience in Work section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_27	The system show error messages on Experience dialog when users input invalid values and then click on Submit button.	Passed	p2 => pass	04/12 ~04/16
TC_US_01_28	Skill dialog will be displayed when users click on Add More button of Skills section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_29	Skill dialog will be displayed when users click on Edit icon of each skill in Skills section. And, all information on this skill will be displayed in the dialog.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_30	Users can add skill in Skills section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_31	Users can edit skill information in Skills section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_32	Users can delete a skill in Skills section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_33	The system show error messages on Skill dialog when users input invalid values and then click on Submit button.	Passed	p2 => pass	04/12 ~04/16
TC_US_01_34	Reference dialog will be displayed when users click on Add More button of References section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_35	Reference dialog will be displayed when users click on Edit icon of each reference in References section. And, all information on this reference will be displayed in the dialog.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_36	Users can add reference in References section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_37	Users can edit reference information in References section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_38	Users can delete a reference in References section.	Passed	p1 => pass	04/12 ~04/16
TC_US_01_39	The system show error messages on Reference dialog when users input invalid values and then click on Submit button.	Passed	p2 => pass	04/12 ~04/16

## Test Conclusion

During the whole process of sprint1, we encountered different problems about the MongoDB and web pages, and they were all solved successfully and the expected results were achieved.

# Test Report For Yangfan Xu - Sprint1

## The goal of the test:

User story:

- ID-03: As a user, I want to create an event page, so that I can manage my all events

## Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
Can get data from the server part	Yes	p0=>pass	4.3-4.10
Can add data to the server part	Yes	p1=>pass	4.10-4.17
Can update data to the server part	Yes	p1=>pass	4.10-4.17
Can delete data from a server part	Yes	p1=>pass	4.10-4.17
Can refresh and dynamic show data based on content in database	Yes	p2=>pass	4.10-4.17

## Test Conclusion

During the whole process of sprint1, we encountered different problems about the database and web pages, and they were all solved successfully and the expected results were achieved.

# Test Report Template - Sprint2

## Test Report Model

### The goal of the test:

User story:

- aaaaa
- bbbbb

### Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
aaaaa			
.....	yes	p3=>pass	4.15-4.18
bbbbb			
.....	yes	p2=>pass	4.6-4.10
.....	yes	p2=>pass	4.12-4.15

### Test Conclusion

.....

# Test Report For Changhai Ren -Sprint2

## The goal of the test:

User story:

- ID-08: As a product owner, I want to add CI/CD pipeline, so that developers can run unit tests automatically when merging features to the sprint branch; and merged features can be automatically deployed to the Heroku cloud platform (5 Points)
- ID-13: As a product owner, I want to add unit tests for new API in the backend so that the team can easily check regression bugs during the development (6 Points)
- ID-14:As a user, I want to add a print function to the resume page so that I can print my resume into pdf (6 Points)

## Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
<b>ID-08: As a product owner, I want to add CI/CD pipeline, so that developers can run unit tests automatically when merging features to the sprint branch; and merged features can be automatically deployed to the Heroku cloud platform (5 Points)</b>			
Whether all code can atomically deploy to the Heroku cloud platform.	Yes	p0=> pass	5.15-5.17
Whether the Heroku app can run successfully	Yes	p0=>pass	5.17-5.18
<b>ID-13: As a product owner, I want to add unit tests for new API in the backend so that the team can easily check regression bugs during the development (6 Points)</b>			
<b>ID-14:As a user, I want to add a print function to the resume page so that I can print my resume into pdf (6 Points)</b>			
Whether the interface can be fully output	yes	p0=>pass	5.10-5.15
Whether the button is displayed according to the different conditions of the interface	yes	p2=>pass	5.10-5.15
Whether PDF files can be saved locally	yes	p2=>pass	5.12-5.15

## Test Conclusion

During the whole process of sprint2, we encountered different problems about the database and web pages, and they were all solved successfully and the expected results were achieved.

# Test Report For JIAQI AO -Sprint2

## The goal of the test:

User story:

- ID-09: As a user, I want to add a share feature to ePorfolio system, so that I can share my website on social networking such as Twitter, Facebook, Linkedin. (7 Points)
- ID-14:As a user, I want to add print funtion in resume page so that I can print my resume into pdf (6 Points)
- ID-15: As a product owner, I want to remove the Admin page, so that users can directly use visitor or editor mode to preview or modify portfolio.

## Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
<b>ID-09: As a user, I want to add a share feature to ePorfolio system, so that I can share my website on social networking such as Twitter, Facebook, Linkedin. (7 Points)</b>			
Whether the data can be saved and updated.	yes	p0=>pass	5.3-5.10
Whether to upload other websites link to database.	yes	p2=>pass	5.3-5.10
Whether users can click the share button and jump to other website pages.	yes	p2=>pass	5.12-5.15
<b>ID-14:As a user, I want to add print funtion in resume page so that I can print my resume into pdf (6 Points)</b>			
Whether the interface can be fully output.	yes	p0=>pass	5.10-5.15
Whether the button is displayed according to the different conditions of the interface.	yes	p2=>pass	5.10-5.15
Whether PDF files can be saved locally.	yes	p2=>pass	5.12-5.15
<b>ID-15: As a product owner, I want to remove the Admin page, so that users can directly use visitor or editor mode to preview or modify portfolio.</b>			
The original public information page could be removed, and the new profile button would be added into navigation bar.	yes	p0=>pass	4.18-4.25
The admin page could be removed, all interface jumps do not go through the Admin page.	yes	p0=>pass	4.20-4.25
Modify the Profile interface for different situations for visitor or editor.	yes	p2=>pass	4.25-4.30
The data could be not affected by jump interface.	yes	p1=>pass	4.18-4.20

## Test Conclusion

During the whole process of sprint2, we encountered different problems about the database and web pages, and they were all solved successfully and the expected results were achieved.

# Test Report For JIAWEI REN -Sprint2

User story:

- ID-09: As a user, I want to add a share feature to ePorfolio system, so that I can share my website on social networking such as Twitter, Facebook, Linkedin. (7 Points)
- ID-14:As a user, I want to add print funtion in resume page so that I can print my resume into pdf (6 Points)
- ID-17: As a product manager, I want to Enhance the frontend of Aboutme page.
- ID-18: As a user, I want social media links shows only after users input their social media links in the profile.

## Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
<b>ID-09: As a user, I want to add a share feature to ePorfolio system, so that I can share my website on social networking such as Twitter, Facebook, Linkedin. (7 Points)</b>			
Whether the data can be saved and updated	yes	p0=>pass	5.3-5.10
Whether to upload other websites link to database.	yes	p2=>pass	5.3-5.10
Whether users can click the share button and jump to other website page	yes	p2=>pass	5.12-5.15
<b>ID-14:As a user, I want to add print funtion in resume page so that I can print my resume into pdf (6 Points)</b>			
Whether the interface can be fully output	yes	p0=>pass	5.10-5.15
Whether the button is displayed according to the different conditions of the interface	yes	p2=>pass	5.10-5.15
Whether PDF files can be saved locally	yes	p2=>pass	5.12-5.15
<b>ID-17: As a product manager, I want to Enhance the frontend of Aboutme page.</b>			
Whether social media links are listed on one line.	yes	p3=>pass	5.15-5.20
Whether icons for social media links are at same size.	yes	p3=>pass	5.15-5.20
<b>ID-18: As a user, I want social media links shows only after users input their social media links in the profile.</b>			
Whether social media links are shwon when links stored in database	yes	p0=>pass	5.15-5.20
Whether social media links are hidden when links are not stored in database.	yes	p0=>pass	5.15-5.20
Whether social media links are correctly shown/hidden when user changed links in database.	yes	p0=>pass	5.15-5.20

## Test Conclusion

During the whole process of sprint2, we encountered different problems about the database and web pages, and they were all solved successfully and the expected results were achieved.

# Test Report For Trung Nguyen - Sprint2

## The goal of the test:

User story:

- ID-06: As a user, I want to upload qualifications and transcripts to the Resume page, so that I can provide additional information or evidence.

## Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
Users can upload certificates on the Education dialog of the Resume page.	Yes	p1=>pass	5.17-5.21
Users can upload academic transcripts on the Education dialog of the Resume page.	Yes	p1=>pass	5.17-5.21
Uploaded certificates are displayed on the Education section of the Resume page	Yes	p2=>pass	5.17-5.21
Uploaded transcripts are displayed on the Education section of the Resume page	Yes	p2=>pass	5.17-5.21

## Test Conclusion

During the whole process of sprint2, we encountered different problems about the cloud file handling, and they were all solved successfully and the expected results were achieved.

# Test Report For YANGFAN XU - Sprint2

User story:

- ID-7: As a user, I want to add a validation feature on Project and Blog page when users add/update portfolio items so that the application can prevent users from inputting invalid data. (3 Points)
- ID-08: As a product owner, I want to add CI/CD pipeline, so that developers can run unit tests automatically when merging features to the sprint branch; and merged features can be automatically deployed to the Heroku cloud platform (5 Points)
- ID-14:As a user, I want to add a print function to the resume page so that I can print my resume into pdf (6 Points)

## Tested content

What needs to be tested	Did it pass the test	The severity of the problem	Test and Fix schedule
<b>ID-7: As a user, I want to add a validation feature on Project and Blog page when users add/update portfolio items so that the application can prevent users from inputting invalid data. (3 Points)</b>			
Whether the close button can be used	Yes	p0=>pass	4.18-4.19
Whether the hint is shown in the beginning	Yes	p1=>pass	4.19-4.20
<b>ID-08: As a product owner, I want to add CI/CD pipeline, so that developers can run unit tests automatically when merging features to the sprint branch; and merged features can be automatically deployed to the Heroku cloud platform (5 Points)</b>			
Whether Heroku app can be open	Yes	p0=>pass	5.17-5.18
<b>ID-14:As a user, I want to add a print function to the resume page so that I can print my resume into pdf (6 Points)</b>			
Whether the interface can be fully output	yes	p0=>pass	5.10-5.15
Whether the button is displayed according to the different conditions of the interface	yes	p2=>pass	5.10-5.15
Whether PDF files can be saved locally	yes	p2=>pass	5.12-5.15

## Test Conclusion

During the whole process of sprint2, we encountered different problems about the database and web pages, and they were all solved successfully and the expected results were achieved.