

# Sprint Three Retrospectives

## Sprint planning outlines

This sprint aims to complete the entire system and make it works well.

## Sprint team members

| Name        | Role                |
|-------------|---------------------|
| @ Yi XIAO   | Scrum Master        |
| @ Hang Zou  | Architecture leader |
| @ Yifan CAI | Production Owner    |
| @ Zehong LI | Test Leader         |
| @ Chang Liu | Test member         |
| @Jiaxin Fan | Client              |

## Requirements and results

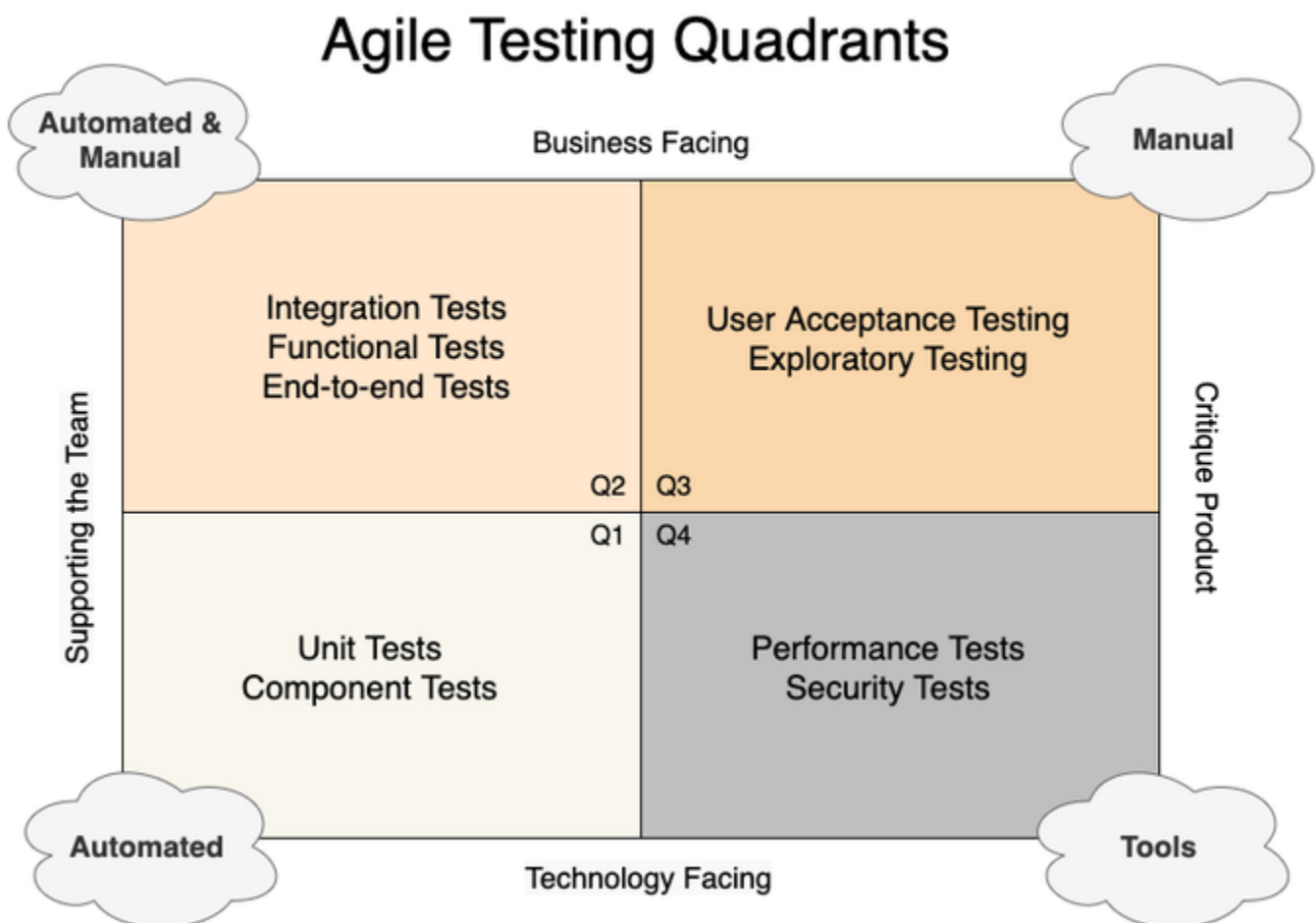
| Requirements  | Results  |
|---|--|
| <ul style="list-style-type: none"><li>Complete front end pages: Settings and responsive pages of all front-end.</li></ul>   | <ul style="list-style-type: none"><li>After the settings button is pressed, the settings page is rendered. Changes to personal avatars, personal information, passwords and professional modules are already available.</li></ul>  |
| <ul style="list-style-type: none"><li>File management should work. The front-end should contain a clickable item that gives operations such as delete/recovery.</li><li>The back-end should contain the corresponding functions that support file management.</li></ul> | <ul style="list-style-type: none"><li>In the file interface, there is already a delete button at the end of each file. After pressing this button, the file is placed to the Recycle bin.<br/><br/>The end of the file in the Recycle bin has two buttons, Recovery and Delete. Press the Restoring button and the file will be restored to the File Bar. Press the Delete button and the file will be deleted completely.</li></ul> |
| <ul style="list-style-type: none"><li>Be able to change the avatars, alter the password, and personal information such as name, dob.</li></ul>  | <ul style="list-style-type: none"><li>In the replacement part, press the position of the head, then choose the new head to upload and replace.<br/><br/>In the personal information section, change the original information to the new information. Press the Update button to update personal information.</li></ul>   |
| <ul style="list-style-type: none"><li>Be able to manage education/employment/volunteer records.</li></ul>   | <ul style="list-style-type: none"><li>By clicking the delete button at the end of a single entry, the entry can be deleted.</li></ul>  |
| <ul style="list-style-type: none"><li>Well tested all functional requirements and non-functional requirements.</li></ul>  | <ul style="list-style-type: none"><li>Test documents link:<ul style="list-style-type: none"><li>Test Report: Sprint 3</li><li>Unit Test</li></ul></li></ul>  |

## Testing Report

### Testing methodologies

- **Unit Test**
  - Test the functions in controller.js
- **Component Test**
  - Test the website of eportfolio
    - Home, Learning, Working, Setting, Volunteer page
  - API test
- **Integration Test**
  - A test involving two or more relevant components
    - **(upload functionality):** Upload a file using a function on our **front-end**, process this via the **back-end**, successfully store the file in our **third-party storage server**, note this at the **back-end** make a record in our **database**
- **End-to-end Test**
  - Test from the end user's experience for the entire ePortfolio flow
    - **(Automated)** Registration Login Edit personal/education/employment/volunteer/setting info Edit document and submit Uploading files Copy/share links Logout
    - **(Manual Test)** Login Reset password
- **Performance Test**
  - Loading and stability
    - Simulating 100 users registration on ePortfolio
    - Simulating 15 users at once simultaneously uploading a 500 MB file to their ePortfolio
    - Simulating uploading a 10 G file to the ePortfolio
- **Exploratory Test**
  - Tricky tests with specific scenarios
    - Log in to the same account with multiple devices simultaneously
- **User Acceptance Testing**
  - Show clients that the eportfolio can work as intended

## Agile Testing Quadrants Diagram



## Front End Automation Test

| ID  | Description                               | Input  | Expected Output   | Actual Output  | Status Update |
|-----|---|--|---|--|---------------|
| ID  | Description                               | Input  | Expected Output   | Actual Output  | Status Update |
| 1.0 | Log in to the dashboard page              | LoginPage(self.driver, 'http://54.206.15.44/personal/dashboard')   | Display the home page with the associated element(Background, pages layer, Doc edit, Share page Link) | Background: Shown<br><br>Pages layer: {Dashboard; Education; Employment; Volunteer; Setting}<br><br>Share page link: Shown | PASS          |
| 1.1 | Testing the usability of the share link   | Copy the link in Clipboard: http://54.206.15.44/Share/89daafacfac81c9b5277e8e9eb06c35d   | All the user sharing information is displayed   | All the user sharing information is displayed  | PASS          |
| 1.2 | Edit the text for the document and submit | @data(('http://54.206.15.44/personal/dashboard', 'test1@test.com', 'Normal', 'testing123123123'))  | "Testing123123123" display on dashboard   | "Testing123123123" display on dashboard  | PASS          |
| 1.3 | Edit profile on dashboard page            | self.click_dashboard()   | The page transfers to setting pages   | The page transfers to setting pages  | PASS          |
| 2.0 | Log in and display the education page     | LoginPage(self.driver, 'http://54.206.15.44/personal/education')   | Page transfer to the education section  | Page transfer to the education section   | PASS          |
| 2.1 | Edit educatin info                        | @data(('http://54.206.15.44/personal/education', 'test1@test.com', 'Normal', 'Unimelb', 'Computer science', 'Bachlor of Science', 'IT Project')) | Education information is updated by the input data  | Education information is updated by the input data   | PASS          |
| 3.0 | Log in and display the employment page    | LoginPage(self.driver, 'http://54.206.15.44/personal/employment')  | Page transfer to the employment section   | Page transfer to the employment section  | PASS          |
| 3.1 | Edit employment info                      | @data(('http://54.206.15.44/personal/employment', 'test1@test.com', 'Normal', 'Tencent', 'IT', 'Algorithm engineer'))                            | Employment information is updated by the input data   | Employment information is updated by the input data  | PASS          |
| 4.0 | Log in and display the volunteer page     | LoginPage(self.driver, 'http://54.206.15.44/personal/volunteer')   | Page transfer to the volunteer section  | Page transfer to the volunteer section   | PASS          |
| 4.1 | Edit volunteer info                       | @data(('http://54.206.15.44/personal/volunteer', 'test1@test.com', 'Normal', 'Melbourne', '142 hours', 'Machine Learning'))                      | Volunteer information is updated by the input data  | Volunteer information is updated by the input data   | PASS          |

|     |   |   |  |  |        |
|-----|---|---|--|--|--------|
| 5.0 | Log in and display the setting page   | LoginPage(self.driver, 'http://54.206.15.44/personal/setting')  | Page transfer to the setting section                                       | Page transfer to the setting section                                       | PASS   |
| 5.1 | Reset password with same new password and confirm password<br><br>Login with the new password | @data(( 'http://54.206.15.44/personal/setting', 'test1@test.com', 'Normal', 'newtestingpwd', 'newtestingpwd' ))           | The password reset to new password and able to login with the new password | The password reset to new password and able to login with the new password | PASS   |
| 5.2 | Reset password with new password and differnt confirm password                                | @data(( 'http://54.206.15.44/personal/setting', 'test1@test.com', 'newtestingpwd', 'new: lastpwd', 'confirm: otherpwd' )) | Exception or error handling remind to the user                             | No exception or error handling<br><br>504 Gateway Time-out                 | FAILED |
| 5.3 | Update major  | @data(( 'http://54.206.15.44/personal/setting', 'test1@test.com', 'Normal', 'Computer Science' ))                         | Major is updated by the input data   | Major is updated by the input data   | PASS   |