

Assessed Exercise 2

Team Report

Group RP\_BH

Qingrui Song (2584866S)

Xuefeng Ni (2464685N)

Zhuoqi Li (2520557L)

Pandeng Yuan (2598589Y)

COMPSCI5059 Software Engineering M

**Content**

1. [Team member's contribution 3](#bookmark0)
2. [User Stories 4](#bookmark1)
   1. [User Story 01 6](#bookmark4)
   2. [User Story 02 7](#bookmark5)
   3. [User Story 03 8](#bookmark6)
3. Cl[ass Structure Diagram 5](#bookmark2)
4. S[equence Diagrams 12](#bookmark10)
   1. [Sequence Diagram for User Story 01 6](#bookmark4)
   2. [Sequence Diagram for User Story 02 7](#bookmark5)
   3. [Sequence Diagram for User Story 03 8](#bookmark6)
5. P[rogram and Screenshots 13](#bookmark11)
6. [Retrospective 16](#bookmark16)
   1. [What went well 16](#bookmark17)
   2. [What was challenging 16](#bookmark18)
7. [Appendix: Screenshots of Trello 17](#bookmark19)
8. **Team member's contribution**

|  |  |  |  |
| --- | --- | --- | --- |
| **Student Name** | **Student ID** | **Contribution** | **Classes** |
| Qingrui Song | 2584866S | 25% | ( ) |
| Xuefeng Ni | 2464685N | 25% | ( ) |
| Zhuoqi Li | 2520557L | 25% | ( ) |
| Pandeng Yuan | 2598589Y | 25% | ( ) |

1. **User Stories** 
   1. **U****ser Story 01**

As a class director, I want to **produce a list of teaching requirements.**

**Conversations**

The class director needs to edit teaching requirements for each course.

### Tests

Correctness of course information loading.

Store edited content.

* 1. **User Story 02**

As an administrator, I want to **find suitable staff for each course.**

**Conversations**

Need to choose part-time teachers for each specific course.

### Tests

Correctness of the input when choosing.

Store the results of selection.

* 1. **User Story 03**

As an administrator, I want to **organize training for chosen staff.**

**Conversations**

Need to organize training information for selected part-time teacher.

### Tests

Correctness of display of selected employee information.

Store training information.

1. **Class Structure Diagram**

All team

1. **Sequence Diagrams**
   1. **Sequence Diagram for User Story 01**

Team

* 1. **Sequence Diagram for User Story 02**

Team

* 1. **Sequence Diagram for User Story 03**

Team

1. **Program and Screenshots**

Team

1. **Retrospective**
   1. ***What went well***

All the team members cooperated well and actively expressed their views in every meeting. Everyone helped each other on the basis of accomplishing the tasks they are responsible for.

The use of collaboration tools (GitHub, Trello) makes it easier to share and update program between team members. We quickly implemented the basic functionality of the program required for this assessed exercise.

One of the team members had experience in software development project management and can control the operation from a macro point of view, which makes the whole development process go smoothly.

* 1. ***What was challenging***

Team members had different views on the design of the class structure diagram. We discussed and dissected the class structure diagram for a long time, including the definition and selection of classes and the representation of the relation graph between classes, which was a little difficult for us to optimize the program within such a short time.

Team members also discussed sequence diagrams among objects for a long time. We had a dispute over the object selection for each user story. At the same time, we spent a lot of time discussing in depth the duration and drawing details of each object in each sequence diagram, which was quite challenging.

We used Lucidchart to assist in drawing class structure diagram and the sequence diagrams for each of the user stories and did several different solutions. In the end, we chose one version that we thought was the most accurate graphic representation.

1. **Appendix: Screenshots of Trello**

Team members