<<5/29>>會議記錄

會議日期	2014/5/29
時間	18:30~22:00
地點	德田館 R439
主持人	蔡宗翰
記錄者	蔡宗翰
目的	討論 Project

參與者

| 姓名	E-mail	角色
蔡宗翰	b99902066@ntu.edu.tw	組長
林映孜	d98944002@ntu.edu.tw	組員
范哲誠	d02922030@ntu.edu.tw	組員
黃奕軻	b99902032@ntu.edu.tw	組員
劉宗瑋	b99902100@ntu.edu.tw	組員
呂俊宏	enricolu@gmail.com	組員
吳佳倫	bingo4508@gmail.com	組員

會議議程

1. **Discuss Homework**
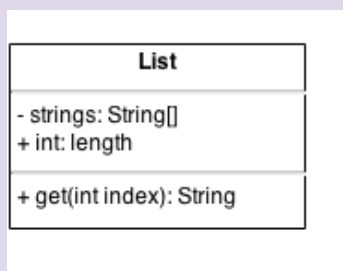2. **Modify WBS of further works**

會議討論議題

1. **Discuss Homework**
   - **HW1**
- **A List data structure is implemented with a String array which can contain a series of String objects.**
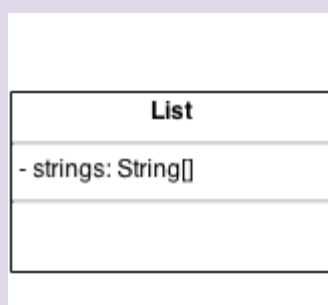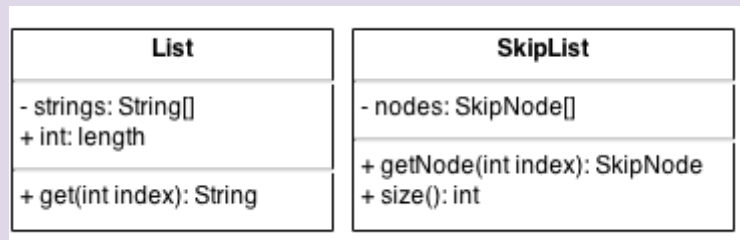
List
- strings: String[]

- **We can acces List by calling the get() method with an index, and know how many Strings inside the List with a public attribute: length.**

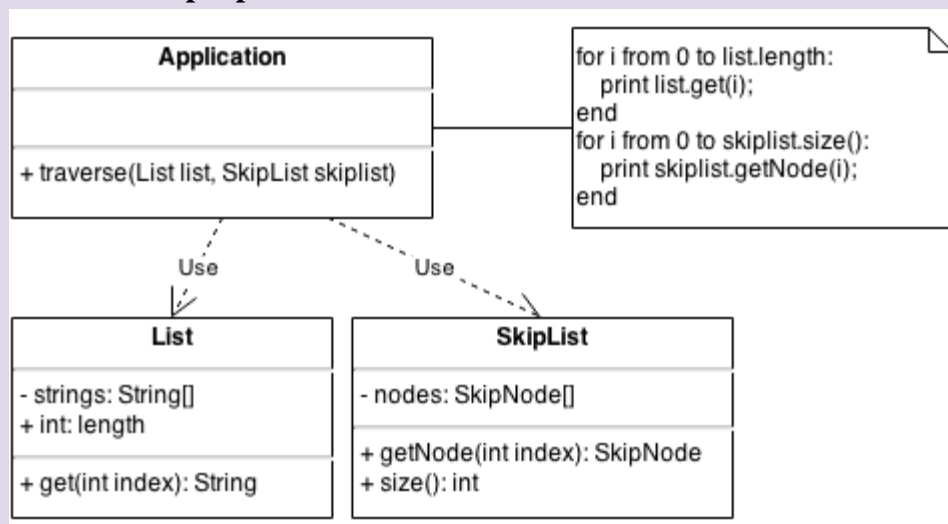| **List** |
|---|
| - strings: String[]
+ int: length |
| + get(int index): String |

- **Furthermore, another data structure called SkipList which consists of a series of SkipNodes.**
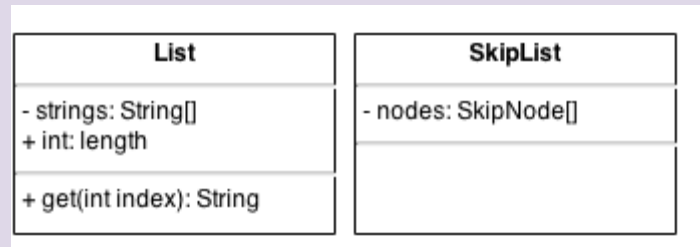
- **Each SkipNode can be accessed by invoking the getNode() method in SkipList with an index. And we have the idea about the size of SkipList with its size() method.**

- **Now we have to traverse both List and SkipList to print out those object items in the two different data structures for some purpose.**

- **Issue:**
  - **If there's new kind of list, we need to modify traverse.**
  - **We need to know how to print different objects in lists.**
- **Redesign**
  - **Encapsulate What Varies.**
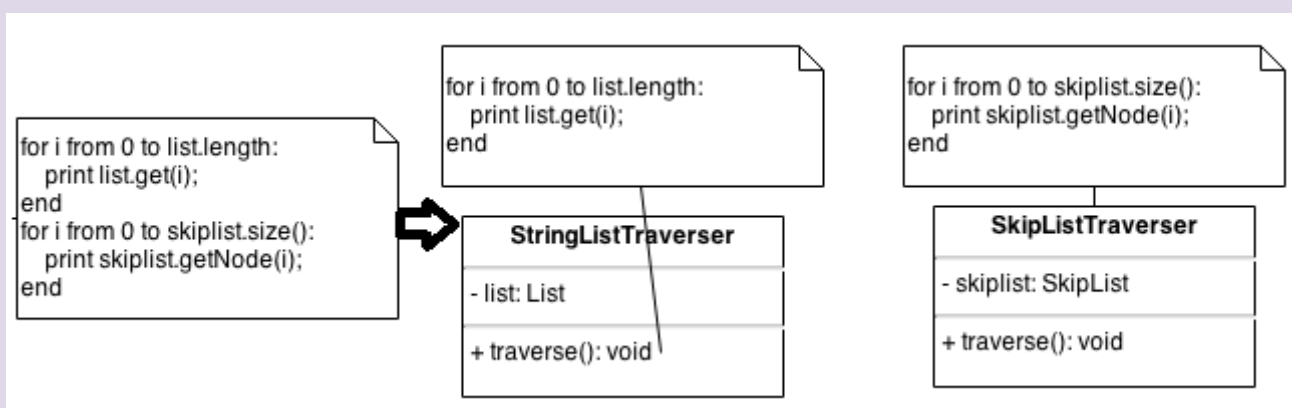
  - **Abstract Common Behaviors**
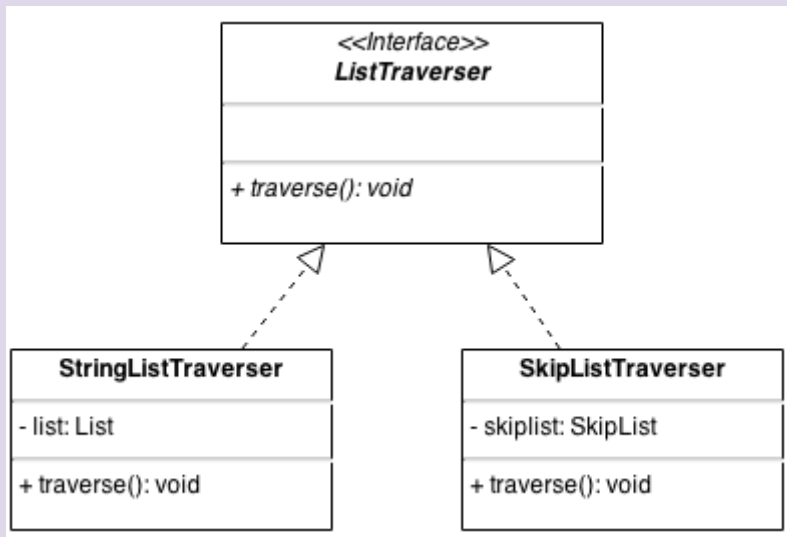
- **Compose or Delegate Abstract Behaviors**

- **Looks like "Strategy Pattern"**
- **Another Version**

- ■ **HW2**
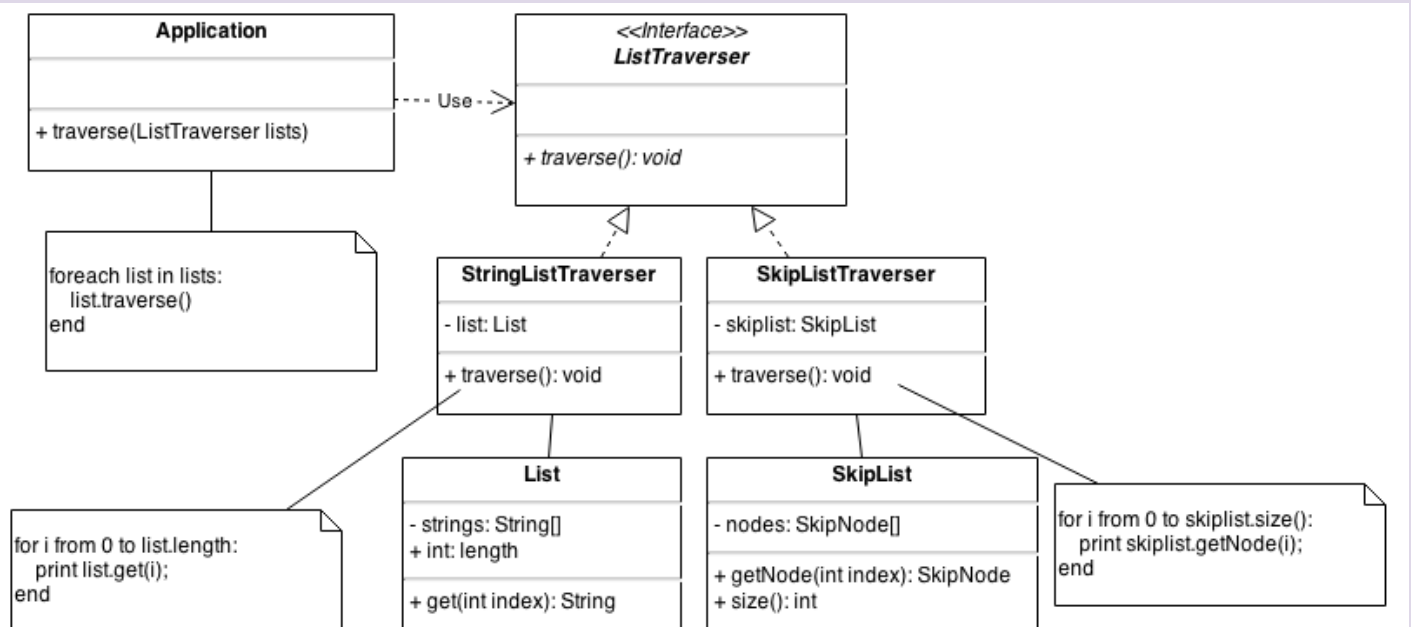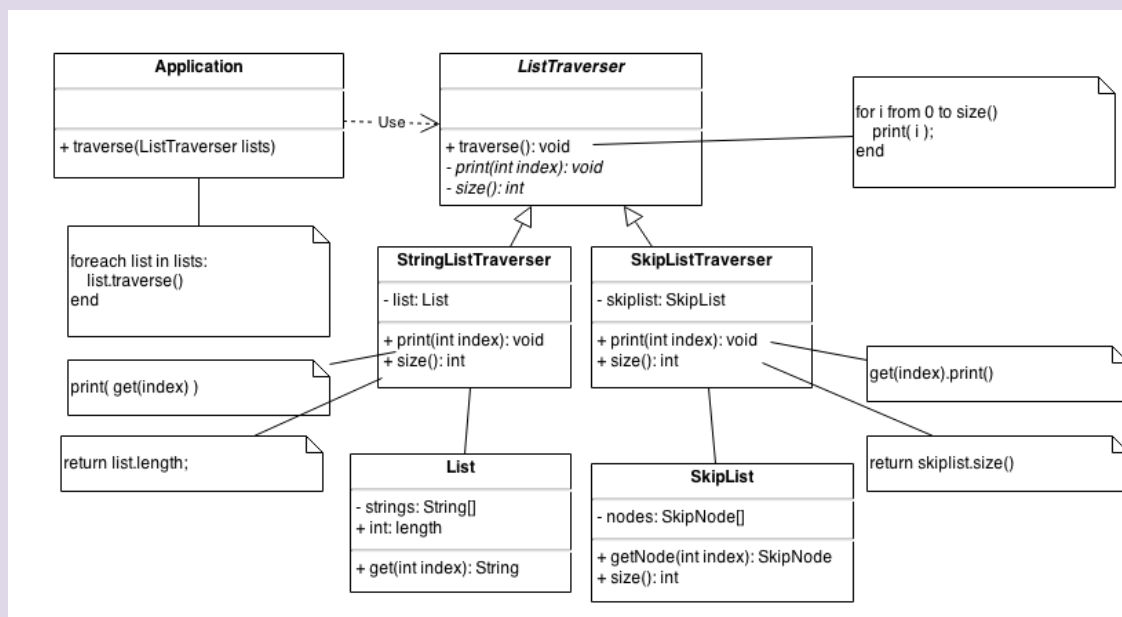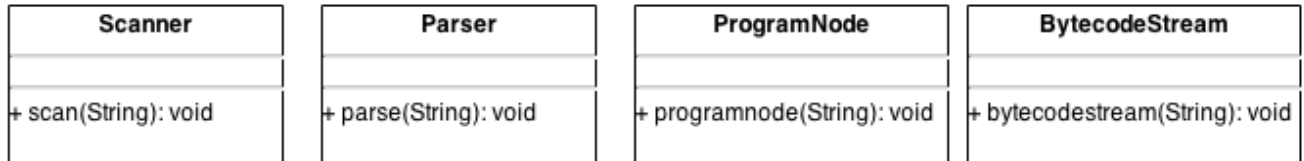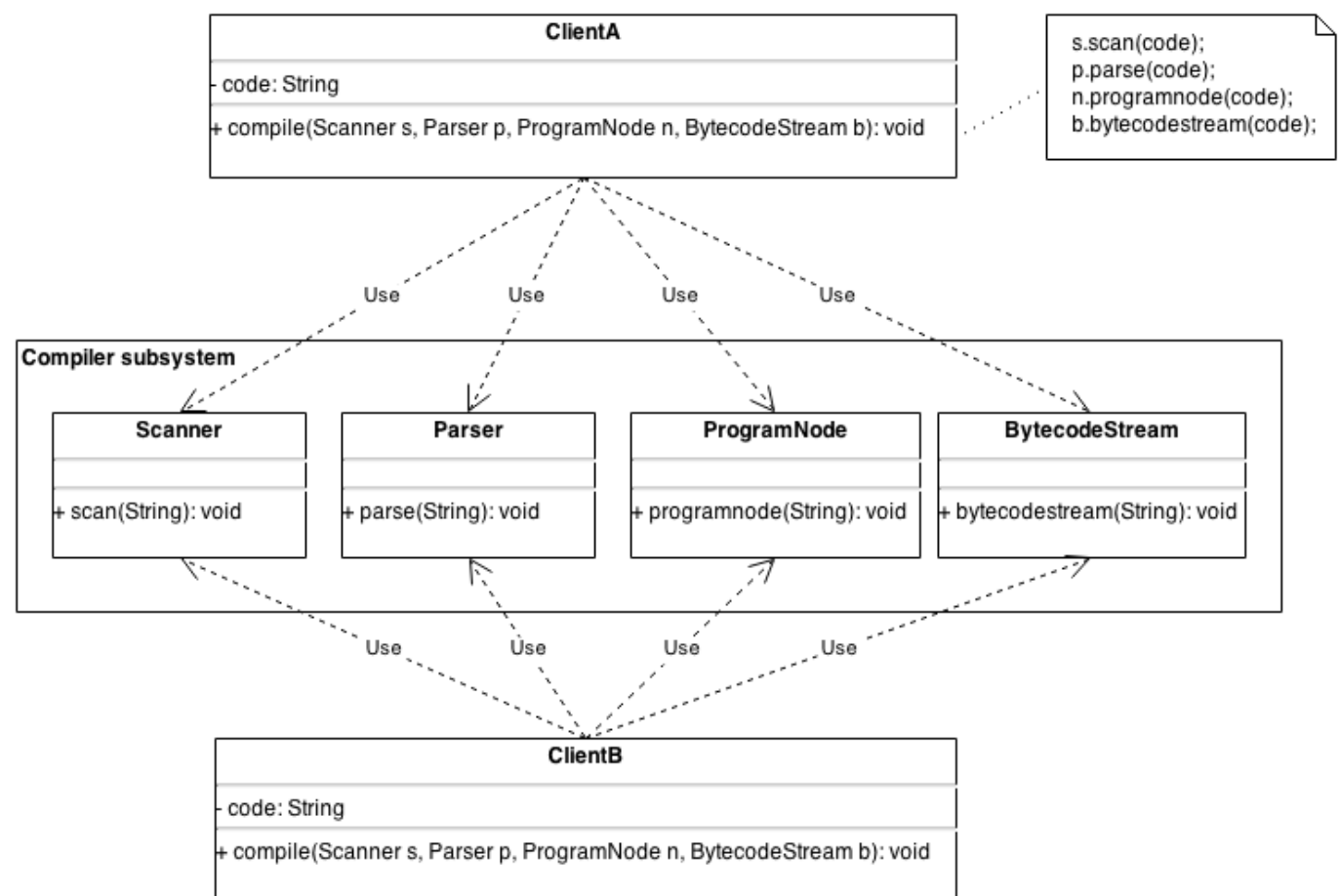- ● **A compiler subsystem contains classes such as Scanner, Parser, ProgramNode, and BytecodeStream.**

Compiler subsystem

Scanner	Parser	ProgramNode	BytecodeStream
+ scan(String): void	+ parse(String): void	+ programnode(String): void	+ bytecodestream(String): void

- ● **The client classes need to use Scanner, Parser, ProgramNode, and BytecodeStream to compile some code.**

ClientA

- code: String

+ compile(Scanner s, Parser p, ProgramNode n, BytecodeStream b): void

```
s.scan(code);
p.parse(code);
n.programnode(code);
b.bytecodestream(code);
```

Use   Use   Use   Use

Compiler subsystem

Scanner	Parser	ProgramNode	BytecodeStream
+ scan(String): void	+ parse(String): void	+ programnode(String): void	+ bytecodestream(String): void

Use   Use   Use   Use

ClientB

- code: String

+ compile(Scanner s, Parser p, ProgramNode n, BytecodeStream b): void

- ● **Redesign**

- **Encapsulate What Varies.**
- **Abstract Common Behaviors (skip)**
- **Compose or Delegate Abstract Behaviors**
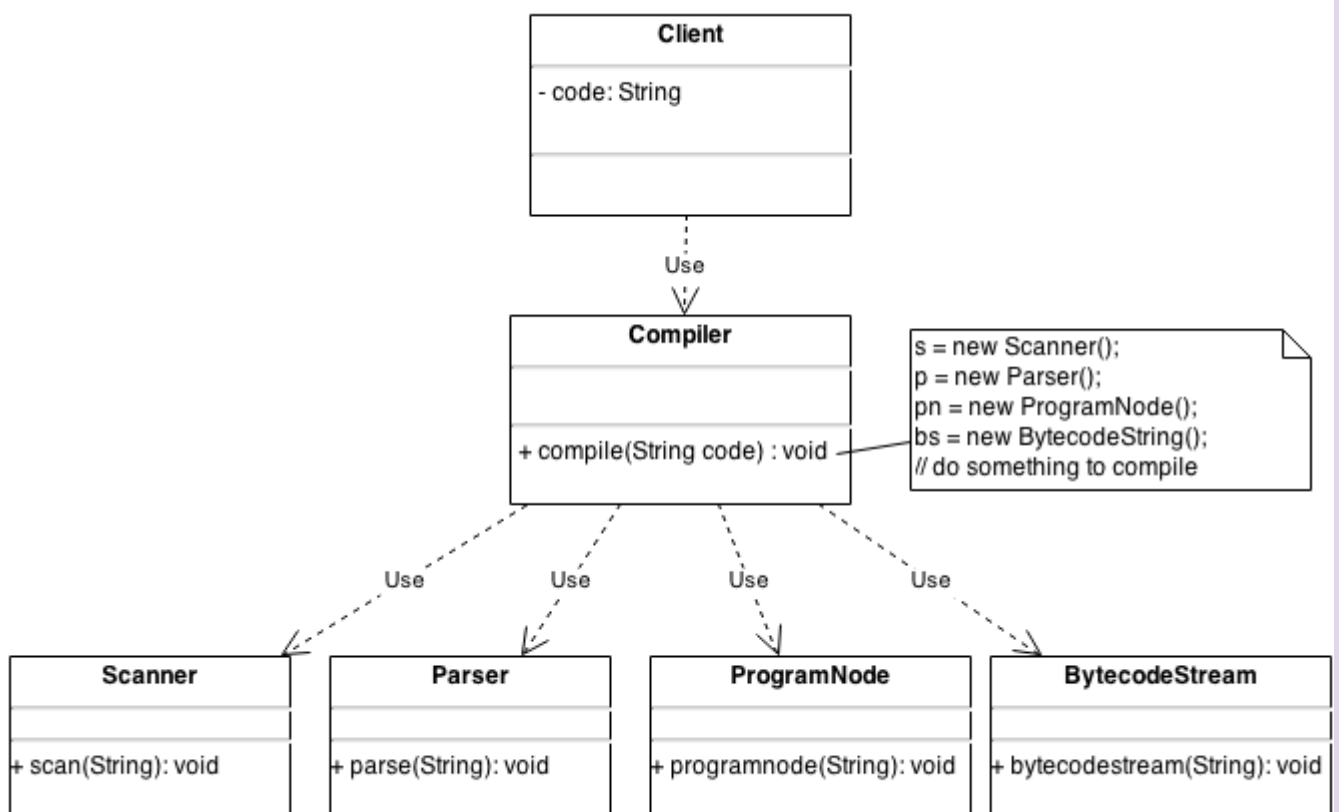
2. **Modify WBS of further works**
   - **Implement the first version before 6/5.**
   - **Aggregate and test before 6/9.**

<table>
<tr><td colspan="6" align="center">Action Item 後續處理項目</td></tr>
<tr><td>編號</td><td>處理動作</td><td>負責人員</td><td>處理期限</td><td>狀態</td><td>備註</td></tr>
</table>

1	WBS draft	黃奕軻	4/1	**Closed 4/1**	蔡宗翰 review
2	提供 Github public key	全員	4/1	**Closed 4/1**	
3	新版 WBS	Eric	4/4	**Closed**	
4	加入 Implementation 的詳細內容	全員	4/7	**Closed**	On google doc
5	繪製 High Level Architecture	Eric	4/8	**Closed**	
6	上傳前次的 Meeting Minutes	吳佳倫	4/8	**Closed 4/1**	
7	WBS—分析、設計階段認領	全員	4/7	**Closed**	
8	設定 Github key, 並確認成功上傳至少一次	全員	4/8	**Closed**	奕軻 review
9	Homework6	吳佳倫	4/8	**Closed 4/08**	
10	Check all Commit	黃奕軻	4/8	**Closed 4/08**	
11	Review System Architecture	全員	4/14	**Closed 4/14**	映孜 review
12	Code Survey	全員	4/14	**Closed 4/14**	
13	Terminology and Naming	呂俊宏	4/14	**Closed 4/14**	
14	Homework 7-1	蔡宗翰	4/15	**Closed 4/15**	
15	Homework 7-2	呂俊宏	4/15	**Closed 4/15**	
16	Homework 8-1	林映孜	4/21	**Closed 4/21**	
17	Homework 8-2	劉宗瑋	4/21	**Closed 4/21**	
18	Homework 9-1	范哲誠	4/28	**Closed 4/28**	
19	Homework 9-2	廖尉棠	4/28	**Closed 4/28**	
20	User requirement	全體	4/28	**Closed 4/28**	
21	System requirement	全體	5/4	**Closed 5/5**	
22	Interface requirement	全體	5/5	**Closed 5/5**	
23	Homework 10	吳佳倫	5/6	**Closed 5/5**	
24	Refine System Architecture	全體	5/13	**Closed 5/12**	
25	Presentation of Requirements & Architecture	蔡宗翰	5/6	**Closed 5/6**	
26	Modifying requirement	全體	5/12	**Closed 5/12**	
27	Homework 11	黃奕軻	5/13	**Closed 5/12**	
28	Re-assign duties for further works	全體	5/13	**Closed 5/13**	
29	Homework 12	劉宗瑋	5/12	**Closed 5/19**	
30	Class Diagram	全體	5/19	**Closed 5/26**	
31	Homework 13	林映孜	5/27	**Closed 5/26**	
32	Implement	全體	6/7	**Ongoing**	
33	Unit-testing	全體	6/7	**Ongoing**	
34	Homework14	蔡宗翰吳佳倫	6/3	**Ongoing**	
35	Redesign the class diagram and requirement refine	all	5/29	**Closed 5/29**	
36	WBS modification	all	6/3	**Ongoing**	

下次會議		
日期	時間	地點
6/2Mon.	22:00	Skype 線上

下次會議		
日期	時間	地點
	22:00	Skype 線上