

## <<4/21>>會議記錄

會議日期	2014/4/21
時間	12:20 – 14:00
地點	德田館 R440
主持人	蔡宗翰
紀錄者	范哲誠
目的	討論 Homework and Project

### 參與者

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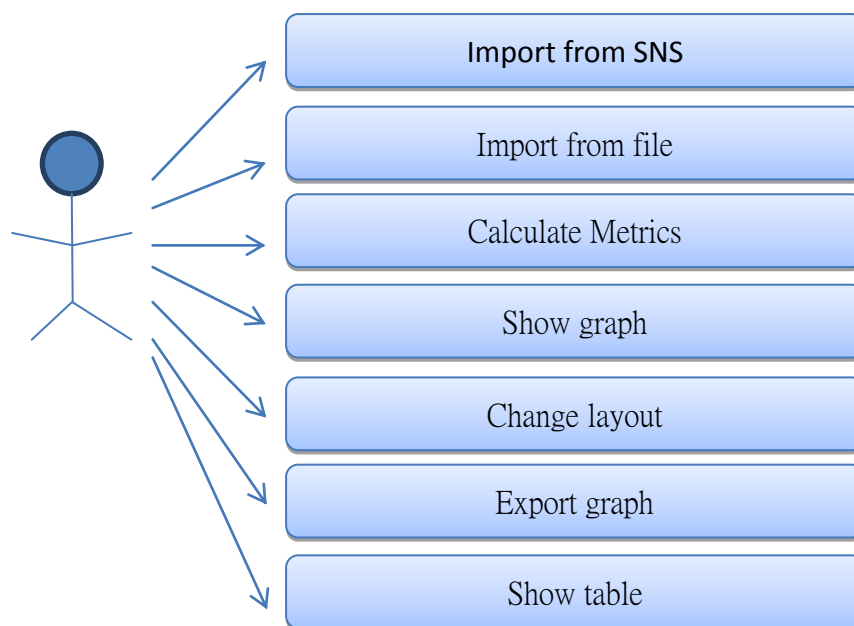
### 會議議程

1. Homework discussion.
2. Project discussion.

### 會議討論議題

1. The meeting result of StandAloneLayout at 2014/04/18

#### 1.1 Use case



## 1.2 看 code 心得分享

主程式是:ExcelTemplate 那個 project.

用 visual studio 可以直接點選便可秀出有按鈕的畫面

再繼續點就可以看到按按鈕要做的動作

Import 是存到 graphProvider

目前 Layout 看了 Sine 的 layout 似乎只用到 IGraph 的 Vertex,

改變 Vertex 的座標即可

Layout 詳情見 project\Src\NodeXL\Layouts\traceCodeNotesZZ.txt

## 1.3 NodeXL 執行操作

Import graph

就有 vertex,edge 資料

接著可以選擇 auto fill or calculate metrics

Auto fill 可以依照欄位資料改變 node 的顏色, edge 的粗細

Calculate metrics 可以計算 in degree, out degree 等等 (不確定是否會用來 draw graph)

## 2. The meeting result of Martrix at 2014/04/21

### 2.1 Homework8\_2

The key point of this homework is the requirement that display elements refresh their contents as soon as anyWeatherData object is updated. We accomplish this goal by implementing aWeatherSystem class that periodically checks whether anyWeatherDataobject is updated and notifiesDisplayobject to refresh. By the way, we find that this scenario is similar to the observer design pattern, which may result in a little bit different design compared with our design.

For the rest system function in initial design produced by 宗瑋, other participants suggest that display elements can be a concrete class, which consists of 3 methods,showXXX(), noted as “final”(can’t be overridden) methods doing the work of three default display elements (display current condition, statistics, forecast respectively). These three final methods are used inshow() method, whichis used to acquire the newest weather data and show the result according to those display methods. Other programmers can override this method to call display routines defined by themselves.

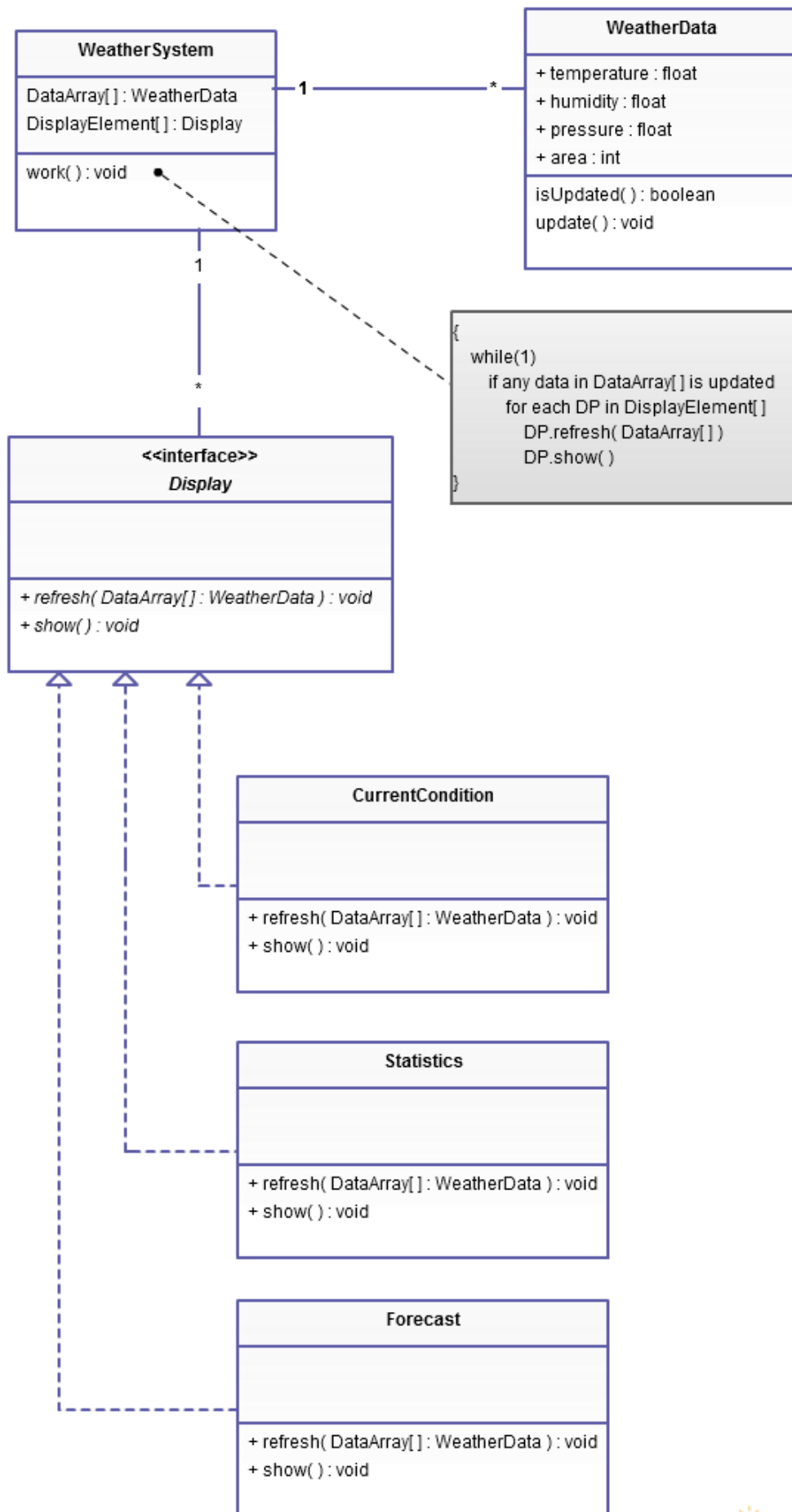


Fig 1. Original Version

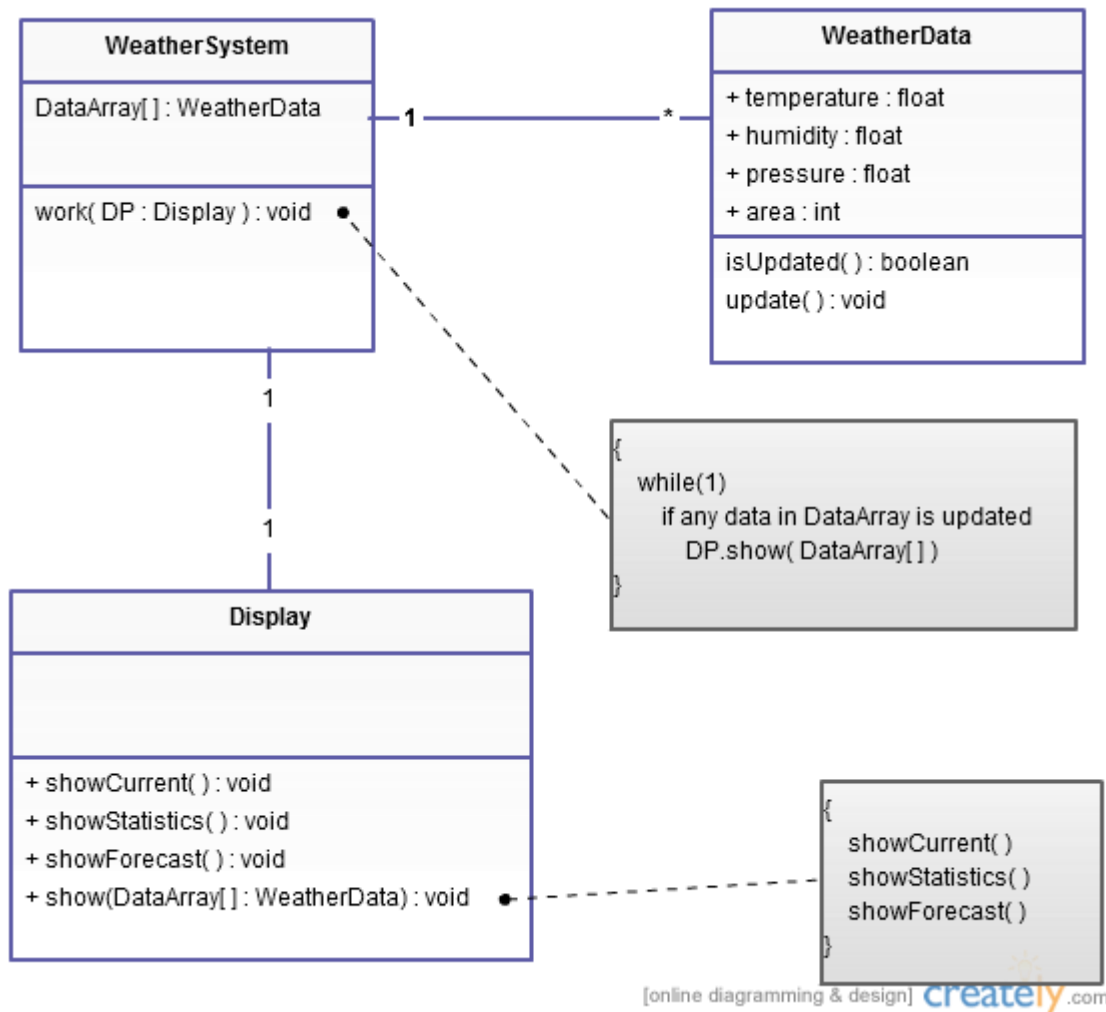


Fig 2. Modified Version

## 2.2 Project Progress: Requirement

Little progress is made in the part our team is responsible for from the last discussion of our team at 4/11. Therefore a deadline is set at 4/27 that each member in this team, i.e. today's participant, is required to produce system requirement of our project, which will be examined and merged in the next meeting by others.

## 2.3 Project Progress: System Architecture

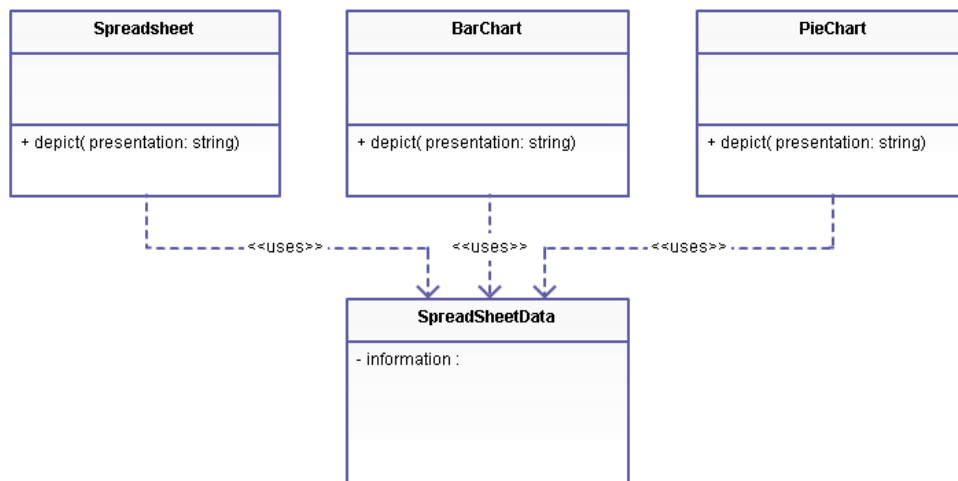
Basically all participants are satisfied at the previous version produced at 4/11 team meeting, little modification is made (for presentation at Tuesday) in this meeting. In the next meeting at 4/21 with all members, we will deliver our idea again and discuss.

3. 全組討論作業 Homework8-1, Homework8-2, 並做些微的修改。

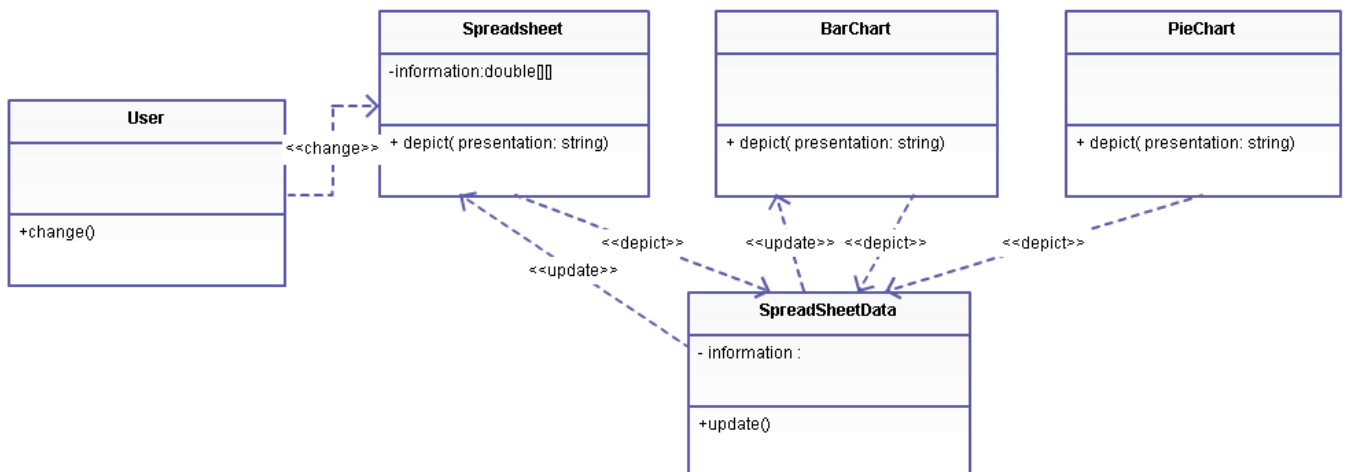
## Homework8\_1

### Version1

A spreadsheet object, bar chart object, and pie object can depict information in the same application data object by using different presentations



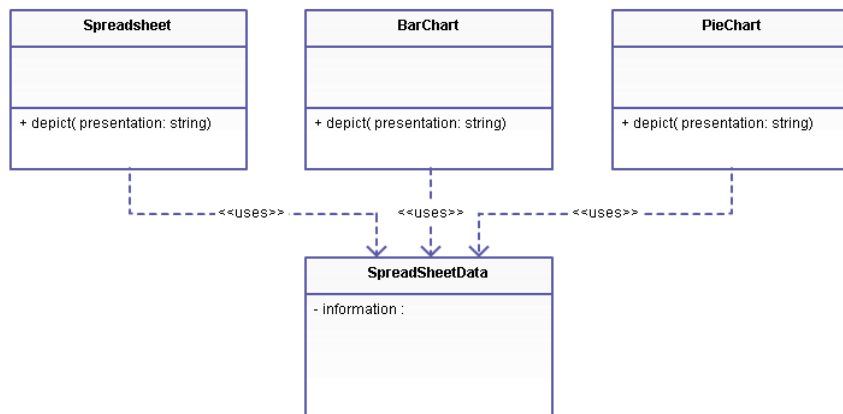
When the user changes the information in the spreadsheet, the bar chart reflect the changes immediately, and vice versa.



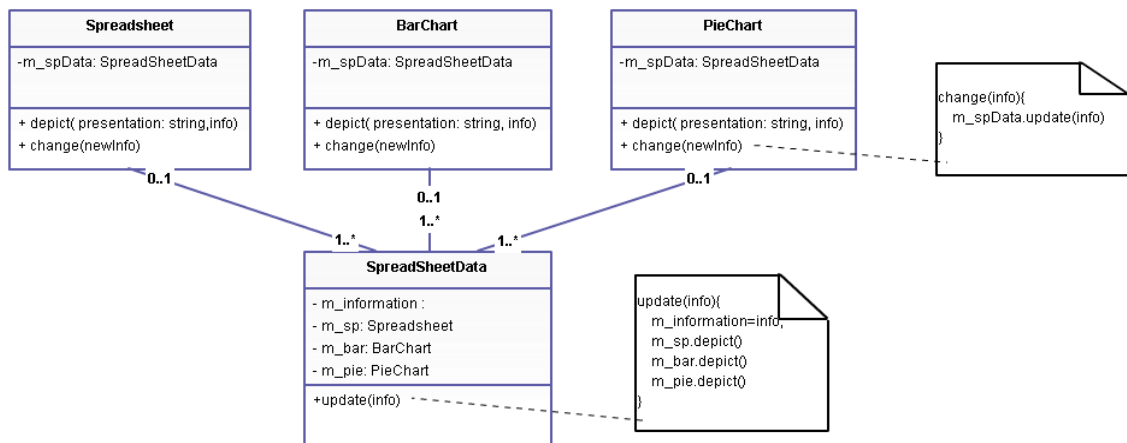
Both spreadsheet object and bart chart object can depict information in the same application data object by using differencnt presentations

## Version 2

A spreadsheet object, bar chart object, and pie object can depict information in the same application data object by using different presentations



When the user changes the information in the spreadsheet, the bar chart reflect the changes immediately, and vice versa.

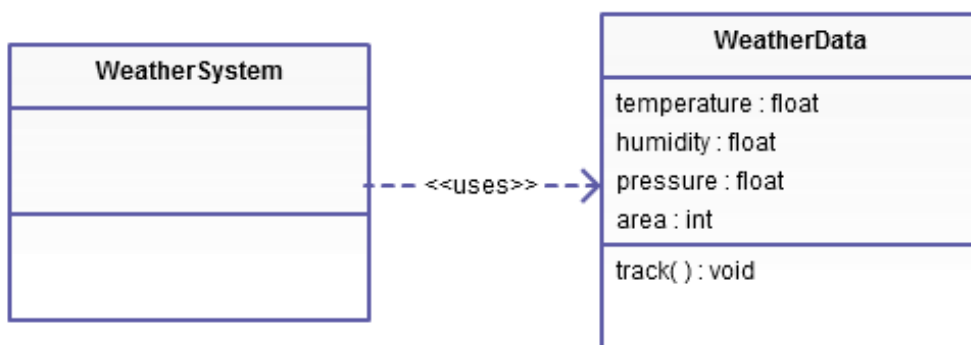


Both spreadsheet object and bart chart object can depict information in the same application data object by using differencnt presentations

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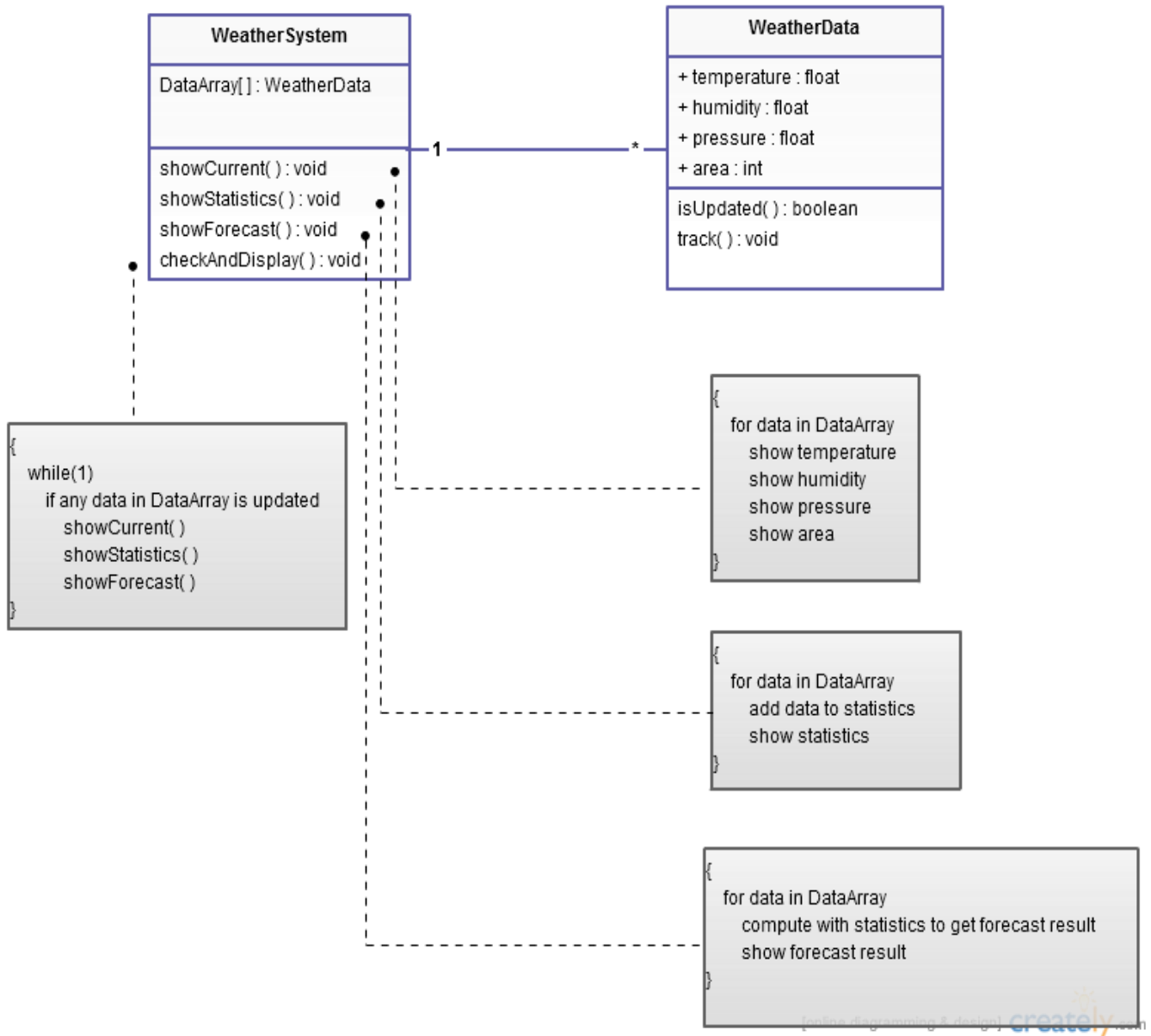
## Homework8-2

The system will be based on WeatherData object, which tracks current weather conditions (temperature, humidity, and barometric pressure) in a specific area (e.g. U.S. or Asia).

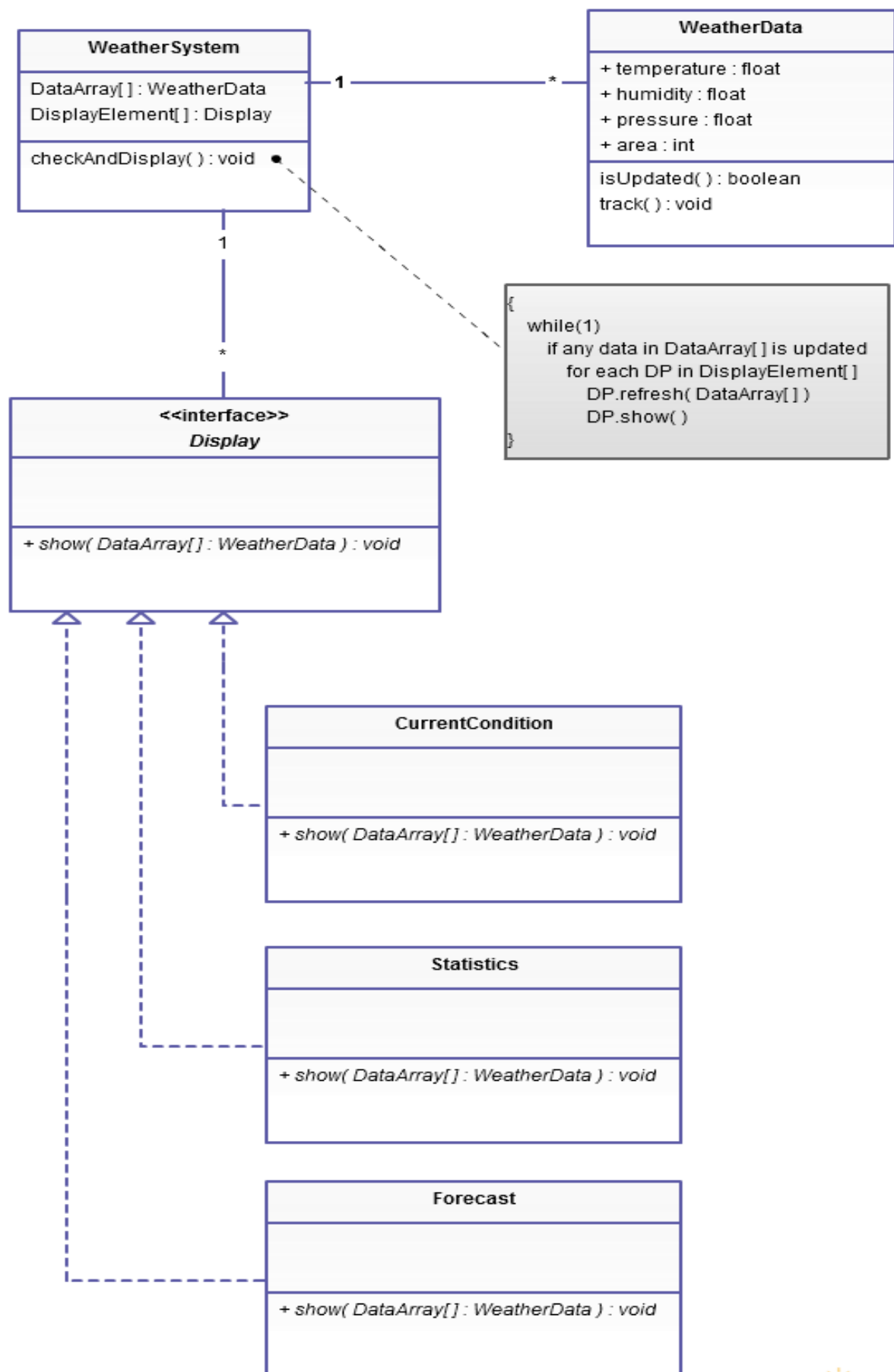


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The system initially provides three display elements: current conditions, weather statistics and a simple forecast, all updated in real time as the WeatherData object acquires the most recent measurements.

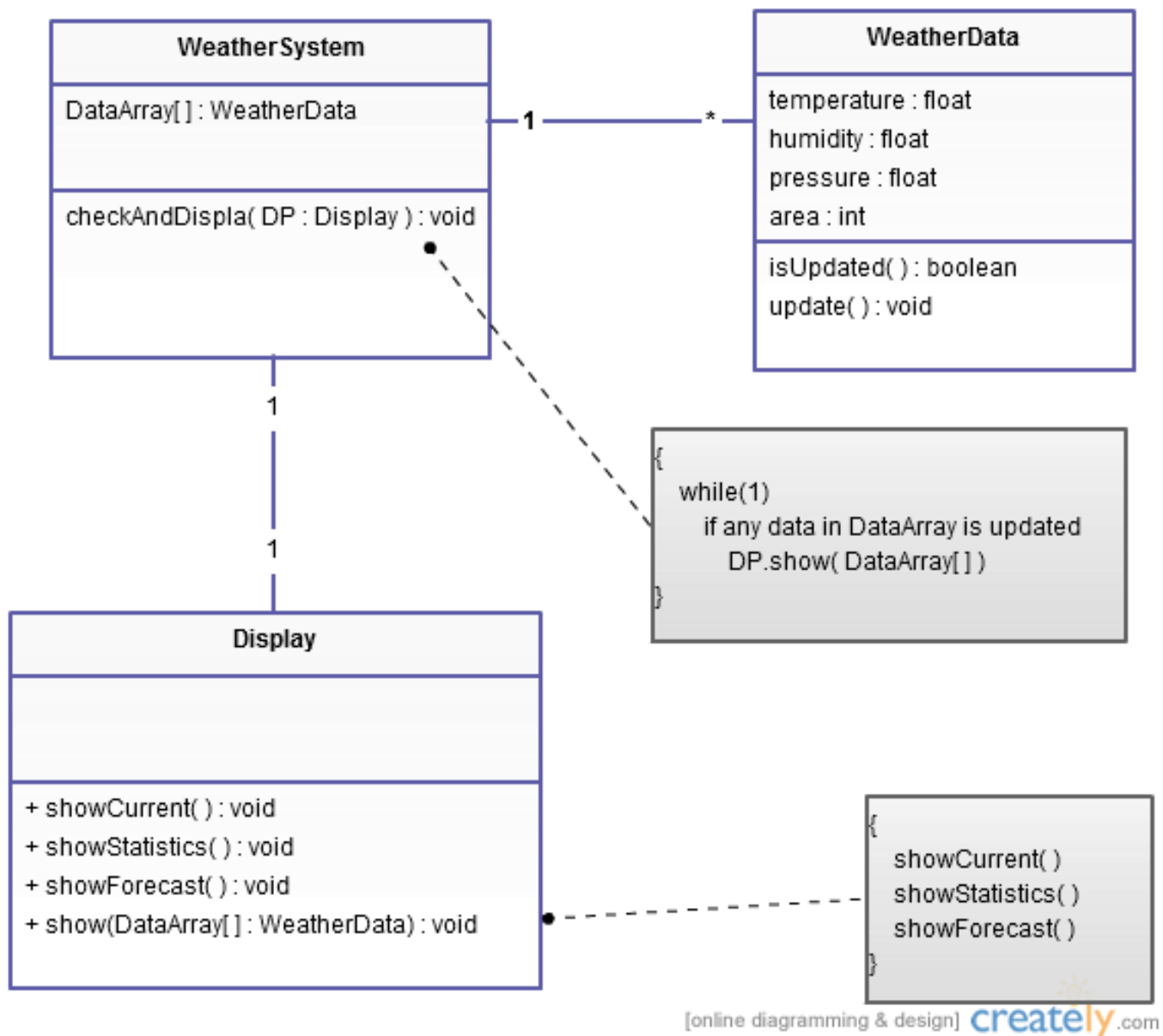


The system should supply an API so that other developers can write their own weather displays and plug them right in.

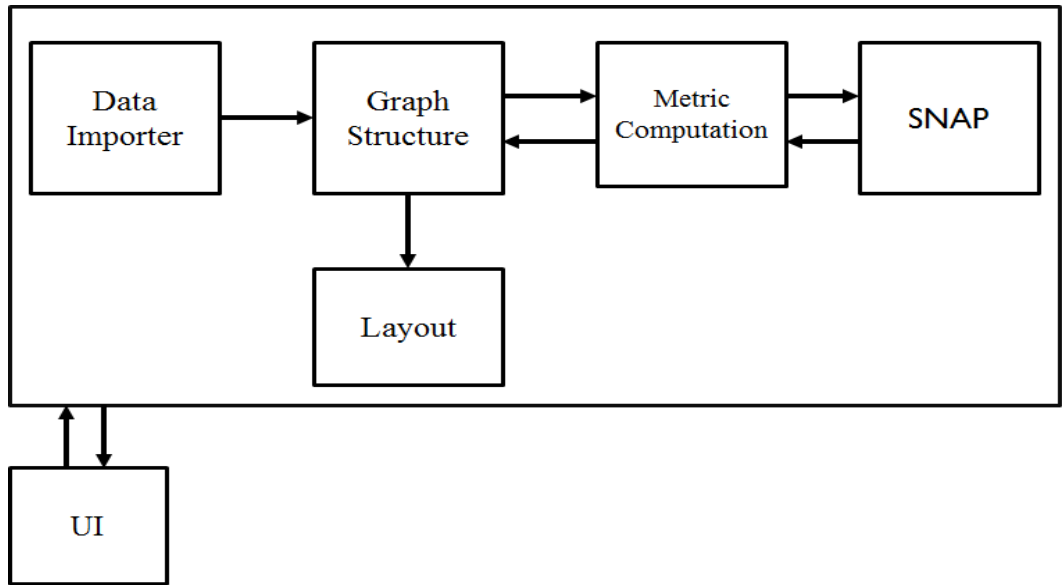




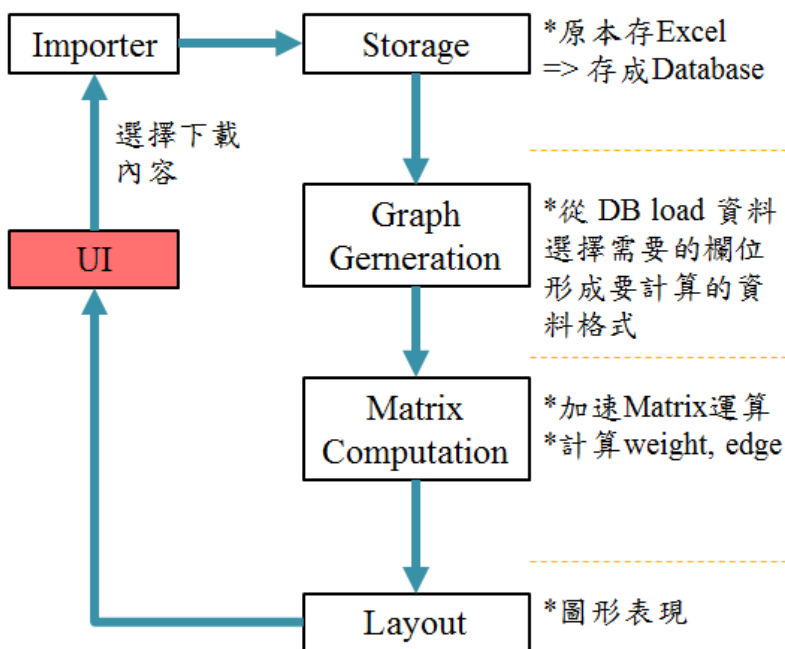
The system should supply an API so that other developers can write their own weather displays and plug them right in.



4. 討論 NodeXL 的架構，並做些微的修改



1. 檢查內容重複
2. 剔除 Excel code



Data Format Example

ID	Post	Time	Other...
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\* depend on DB

	ID1	ID2	ID3	.....
ID1				
ID2				
ID3				
...				

More matrices

Action Item 後續處理項目

編號	處理動作	負責人員	處理期限	狀態	備註
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	Suspended	On google doc
5	繪製 High Level Architecture	Eric	4/8	Suspended	
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	System requirement	全員	4/28	Ongoing	
17	User requirement	全員	4/28	Ongoing	
18	Homework 8-1	林映孜	4/21	Closed 4/21	
19	Homework 8-2	劉宗瑋	4/21	Closed 4/21	
下次會議					
日期		時間	地點		
4/22		16:30			