

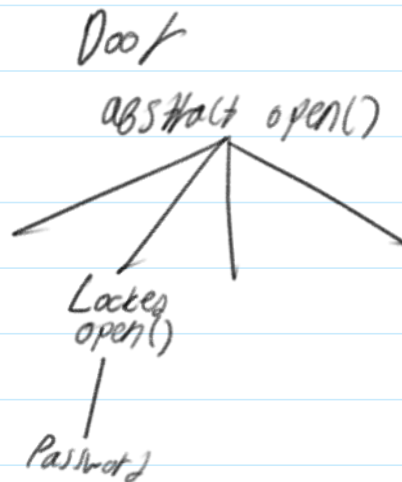
Week7

Monday, October 9, 2023 11:51 AM

Invariant: Rule that the class follows in which all methods within the class must abide by

Abstract: Making it so that the target to get abstracted can no longer be instantiated.

Main cannot instantiate a door object once it's abstracted, but lockeddoor can instantiate it from the inheritance structure.



Will cover interfaces on Wednesday.

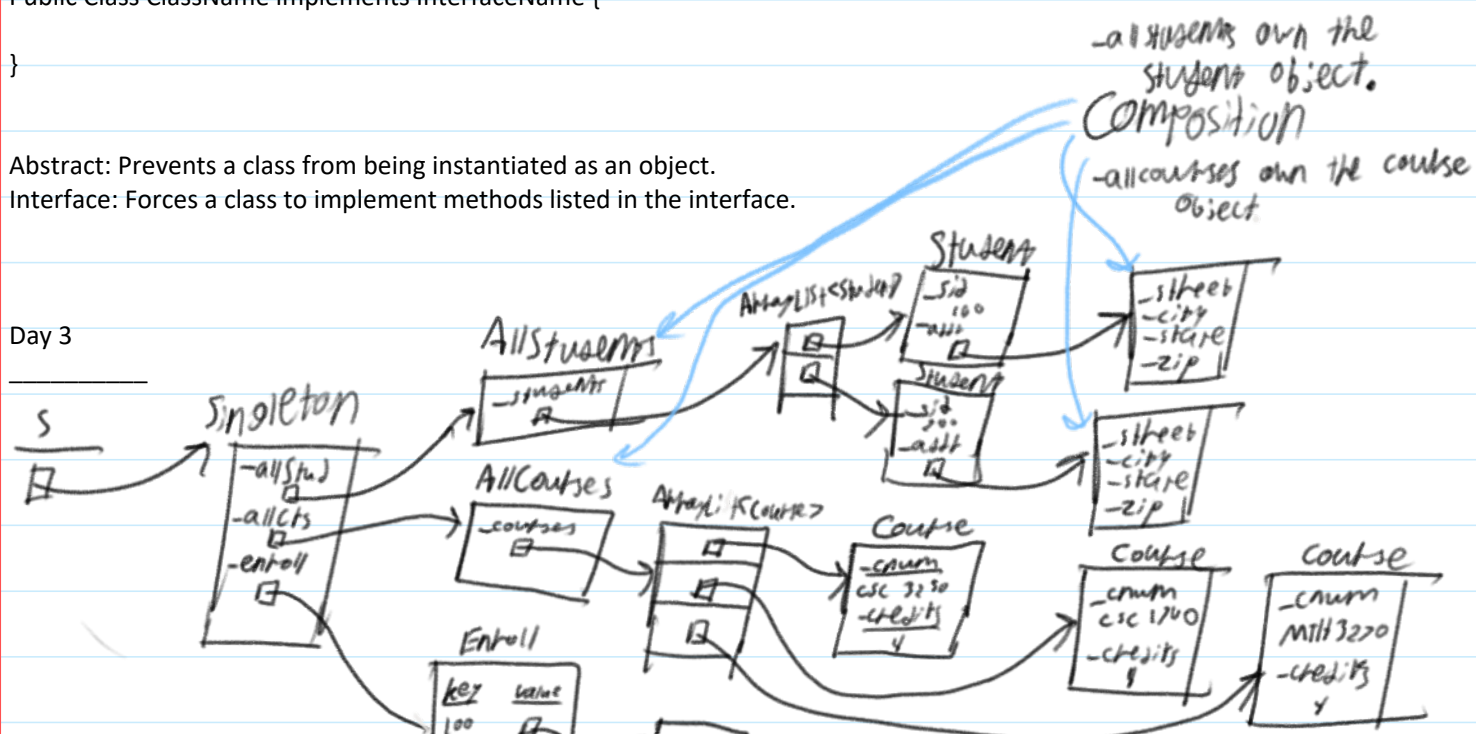
Interface syntax:

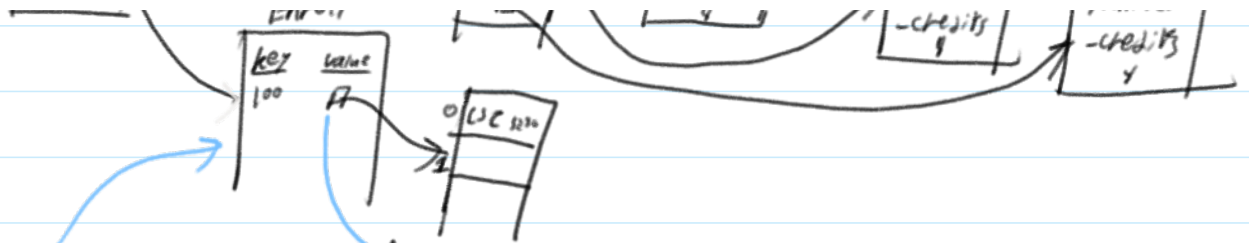
```
Interface InterfaceName {  
    //All methods listed in here must be defined in any class that implements it  
}
```

```
Public Class ClassName implements InterfaceName {  
    }  
}
```

Abstract: Prevents a class from being instantiated as an object.

Interface: Forces a class to implement methods listed in the interface.





Aggregation

Loose coupling between
Enroll and Student/course.

Association

(temporarily makes
an object to another
class and then
deletes shortly
after)

-allstudents and Student are strongly coupled. If Student changes,
then only allstudents would have to be changed.