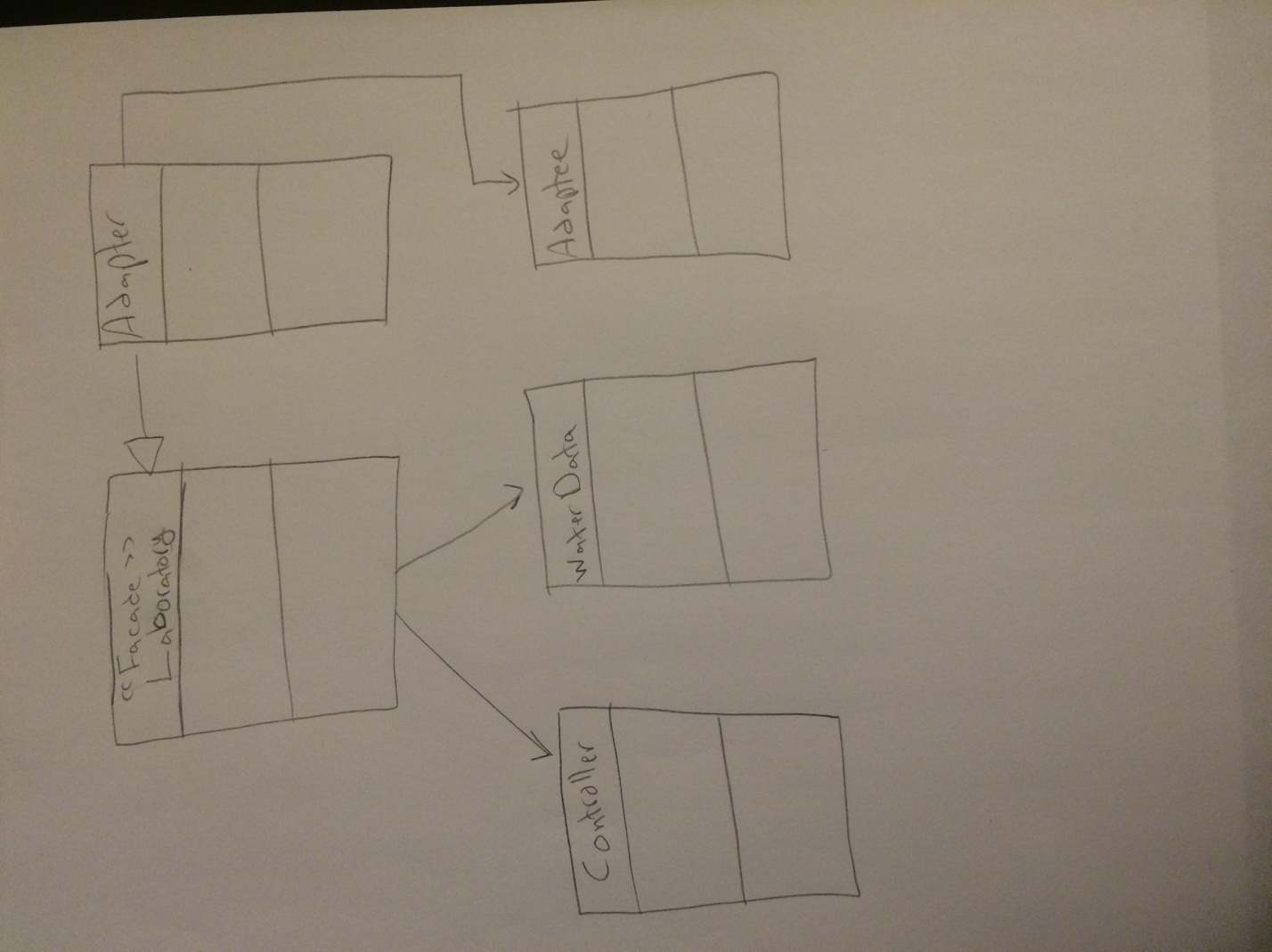
Assignment 1

Number 1

RIGBoat proposal



We can use façade design patter to divide our classes into to subclasses, the first is the controller that will control the RIGboat , while the WaterData is a subclass that is responsible for acquiring data from the water and save it.

Adapter design patter can be using for future use of the system, the Adapter classes will adapt others’ future programs and make use of our current system.

Observer design pattern should be used too to make sure all mobile devices or any other type of devices connected to the system will receive data updates whenever WaterData class is updated.

Assuming that WaterData is the Subject class in Observer pattern and ConcreteObserver is the mobile device that will receive the data:

* Who is ConcreteSubject and what data does it hold?
* Who is ConcreteObserver and what is does?