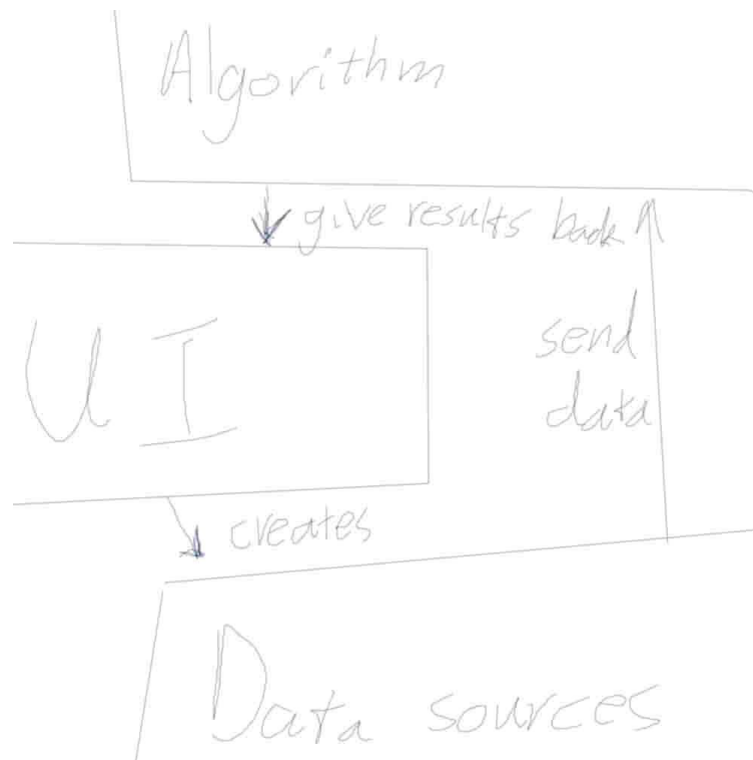


Description:

This is a software to forecast weather based on temperature and humidity.

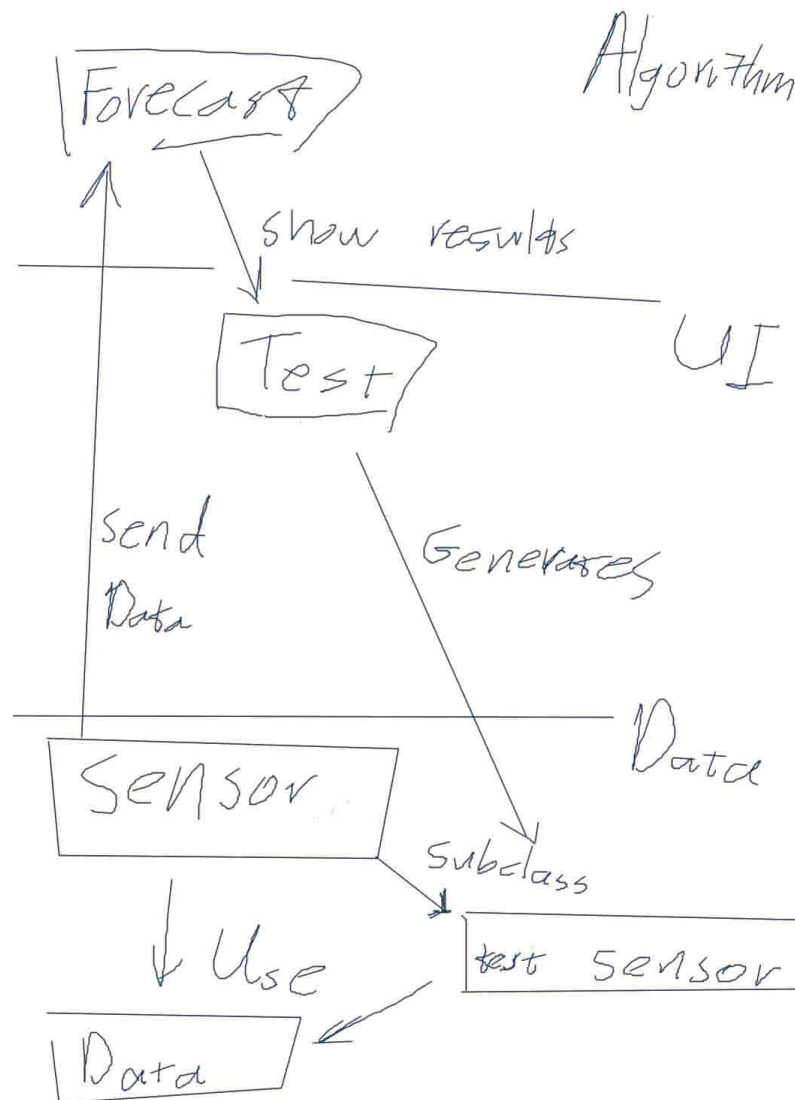
I designed a fake sensor class to generate data automatically every 10 seconds and a test-sensor class for people to use it from UI.

High-level software architecture



Detailed design

Class diagram and design patterns:



I use Test Class to drive Sensor classes only because they are fake sensors. The real sensor are supposed to drive themselves instead rely on other classes.