**2020/10/20 (supervisor) meeting notes**

* It is up to us to decide the meeting arrangements.
* This module evaluates programming little, much on if we can achieve what we expected as planned.

* Project is client to server auto chatbot.
  + User interact with client; client sends data to server; server responds
* Need to find online NLP models, Chinese preferably, because it’s more useful in China.

**Tasks:**

1. Do user analysis and use case diagram (using user stories)

* We have had all information needed to get started

1. Task 2: Learn how to build server (in Python, probably, e.g. Django)

* Interface, Make it fancy
* Avoid too many functions on NLP
  + If want to, first search or talk to supervisor as it may consume time
  + Can develop simple version, take care of complex functionalities later (if you can find the training dataset)
* Client send to server; server uses NLP to reply

**NLP = Natural Language Processing**

* Given input of texts, analyze
* Classification. Positive or negative comments?
  + No need to worry about too much
* Generation. Given input, send output in response.
  + What we really need for this project
* Machine learning approach (no need to know about too much)
  + Parameters
  + Train model using training dataset
  + Multiple inputs x, inputs y
  + Solve k and b
    - k and b are called the "models"
  + So that when later user gives a x, it can output corresponding y
    - e.g. When user type in something, the machine knows what it means
  + Find and train the models
* Mostly in Python