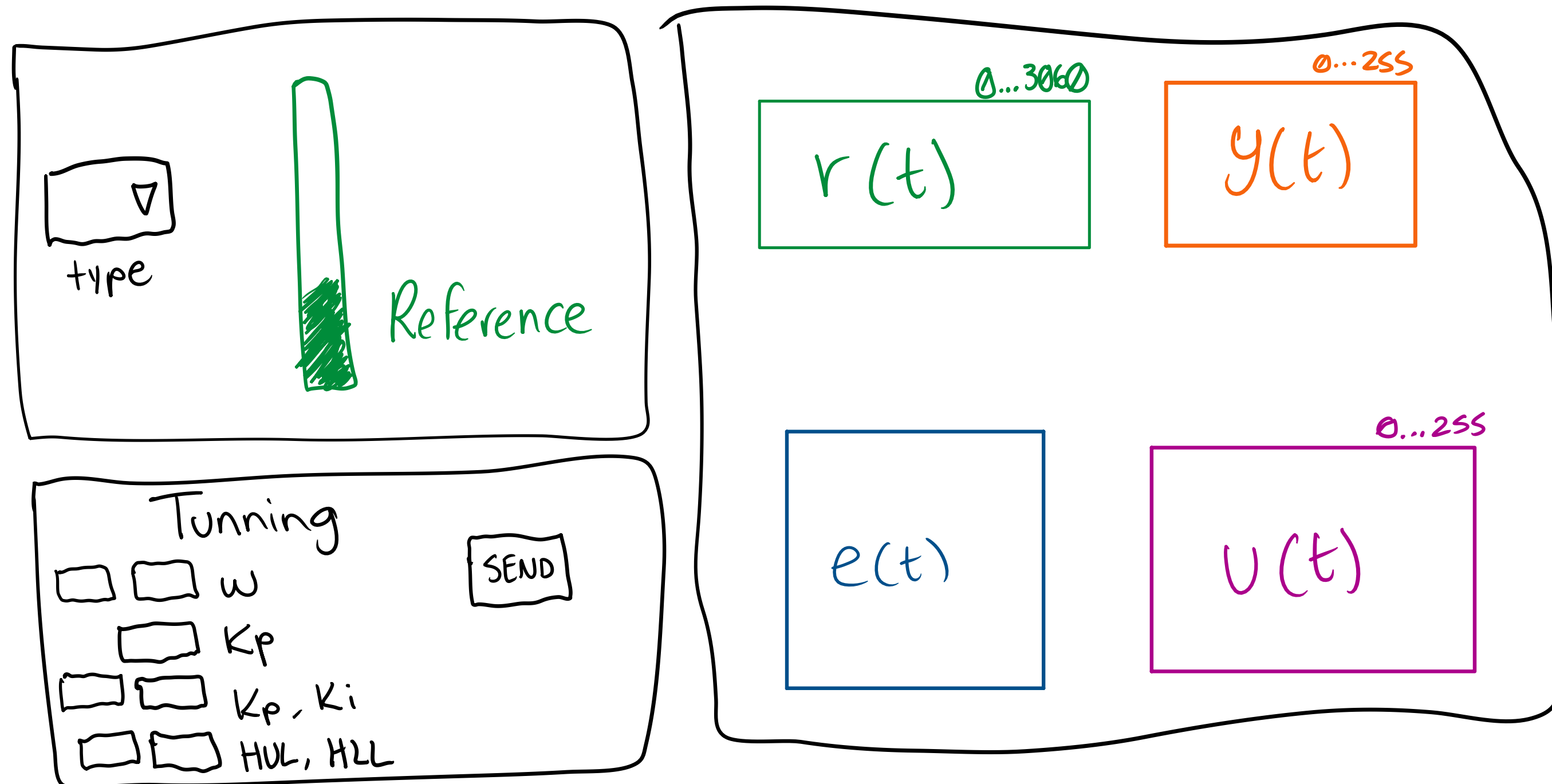Making a fancy Interface:

- Selecting type of controller.
- Selecting variable of parameters.
- Selecting value for reference.
- All tunning settings.
- Nice graphs for:
  - Reference.
  - Control signal.
  - Error.
  - Output.

∗ By clicking the "type" bottom, needs to generate a String like "Fxxxx C"... and the "Wxxxnn". to be send to the MC (microcontroller).
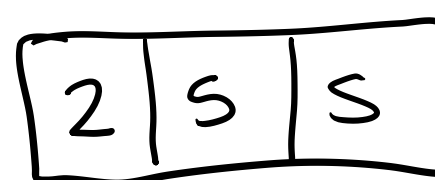
About the Communication Protocol:
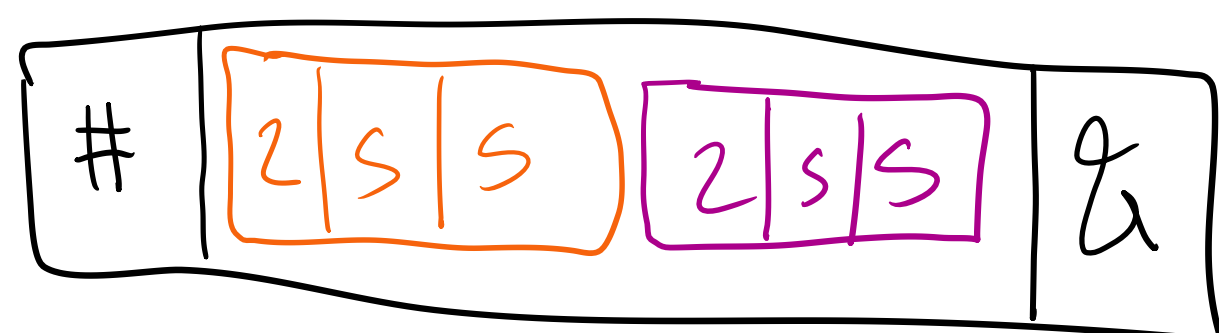
Standart Protocol

But we are going to symplify the protocol

We can use a "#" or "&" as a SOF and EOF. Because, in ASCII, it's a "35".
Therefore, we can send our Data as a 3 different bytes, like

So, we have the following structure:

We are going to have a kind of String like:

... #nnn nnn& #nnn nnn& ...

We can replace:
- # = \r
- & = \n

Even better:

nnn,nnn|\n \r
nnn,nnn|\n \r