**Explanation of feed back and feed forward:**

What determines the initial value of the state?

The throttle pedal, which corresponds to voltage, which corresponds to motor speed (and torque).

This travels through the whole system and ends up at the propellor.

The propellor requires torque for the rotation

Motor part has to accept that torque required, and determine if the speed has to go up or down.

This new speed travels through the whole system and ends up at the propellor again.

This is going back and forth for lets say 10 iterations, to come to a "stable state"

(if torque band is very broad, motor should pick optimal speed for the torque.)

Other initial value could be the boat speed, which is through thrust related to rotation speed.

This is again coupled with an required torque, send back to the motor, speed adjusted, and end up in a stable state.

So user maybe could choose to start from boat speed or throttle input

It could be that the motor doesn't have enough torque at high rotational speeds, so there is a maximum boat speed.

Iterations could be done easily with a table of 10 rows