

Combine it
all together



NFC sticker
NFC Reader

Name: ~~~~~

Type: Black

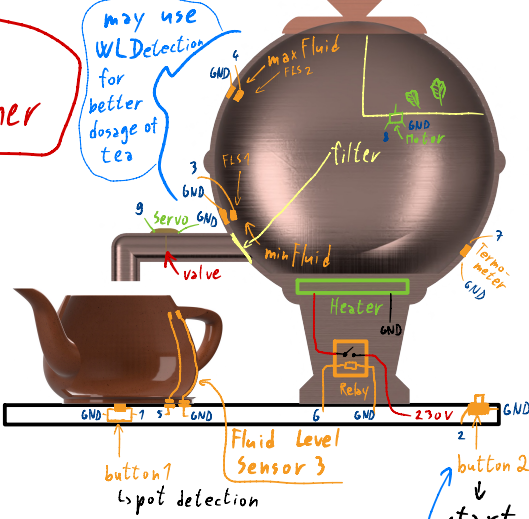
BoilT: x °C

BrewT: x °C

parameters

Time: x sec

may use
W/L Detection
for
better
dosage
of
tea



Tea Maker v0.1

Name: NFC Name

Type: NFC Type

Current stats:

- Teapot Placed = (switch1) ☒
- MinFluid ☒
- Heater = (Relay) ☒
- Temperature x °C ☒
- Valve = (servo stst) ☒
- Tea Ready ☒

Hi

touch
button
could
be
switched
online

Program:

```
bool switch1 = false
bool switch2 = false
bool minFluid = false
bool max Fluid = false
int boilTemp = (BoilT - 1)
int brewTemp = (BrewT - 1)
int temperature = 0
int timer = Time
```

GND-1 switch1 isPotPresent

GND-2 switch2 isStart

3 FLS1 is MinFluid

4 FLS2 isMax Fluid

5 FLS3 is KettleFull

6 Relay1 Boil ☒ on ☐ off

7 TMP1 Temp - x °C

```
1 while (!switch1 || !switch2 || !minFluid || max Fluid) { //prep check
2   {get(x); wait(50)}
3   Relay (3) = on //start heating water
4   while (temperature < boilTemp) // wait for the water to boil
5     {get(x); wait(50)}
6   Relay (3) = off // stop heating water
7   while (temperature < brewTemp) // wait for the water to cool
8     {get(x); wait(50)}
9   Motor = do 1 step // add the tea
10  while (timer != 0) // start timer
11    {timer--; wait(1000)}
12  Servo = turn 90° // open valve
13  while (FLS3 == 0) // fill the teapot
14    {get(x); wait(50)}
15  Servo = turn -90° // close valve
// Tea is ready -> Buzzer & LED
```

Step

Servo

Blind

Deaf