GUI Elements

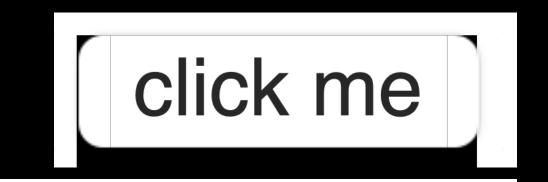
Graphical User Interface

The graphical user interface, or GUI is a form of user interface that allows users to interact with electronic devices through icons, or other graphical elements.

let button;

```
button = createButton('Click me');
button.mousePressed(myFunction);
```

```
function buttonPressed() {
   print('Button clicked!);
}
```



let slider;

```
slider = createSlider(0, 100, 50);
```

let sliderValue = slider.value();

text(sliderValue, 10, 20);

```
let textInput;
input = createInput('Enter text');
let myInputValue = input.value();
text(myInputValue);
```

submit

Custom GU

In p5.js you can create your own GUI elements using any of the elements we have used so far (text, shapes, images).

In order to do that, we need to monitor the current position of the mouse to check if the pointer is currently inside or outside of the GUI element.

```
ellipse(width / 2, height / 2, circleRadius*2);
function mousePressed() {
  let d = dist(mouseX, mouseY, width / 2, height / 2);
  if (d < circleRadius) {
   do something();
```

