GloveMouse

Is it a glove? Is it a mouse?

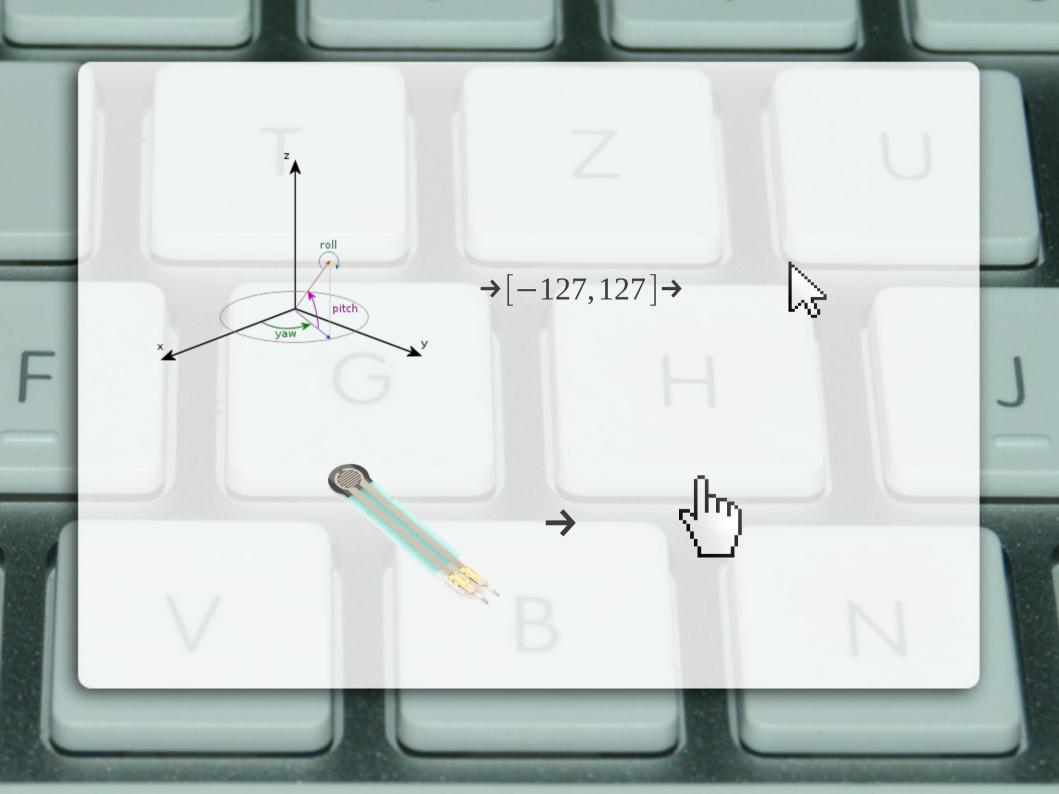


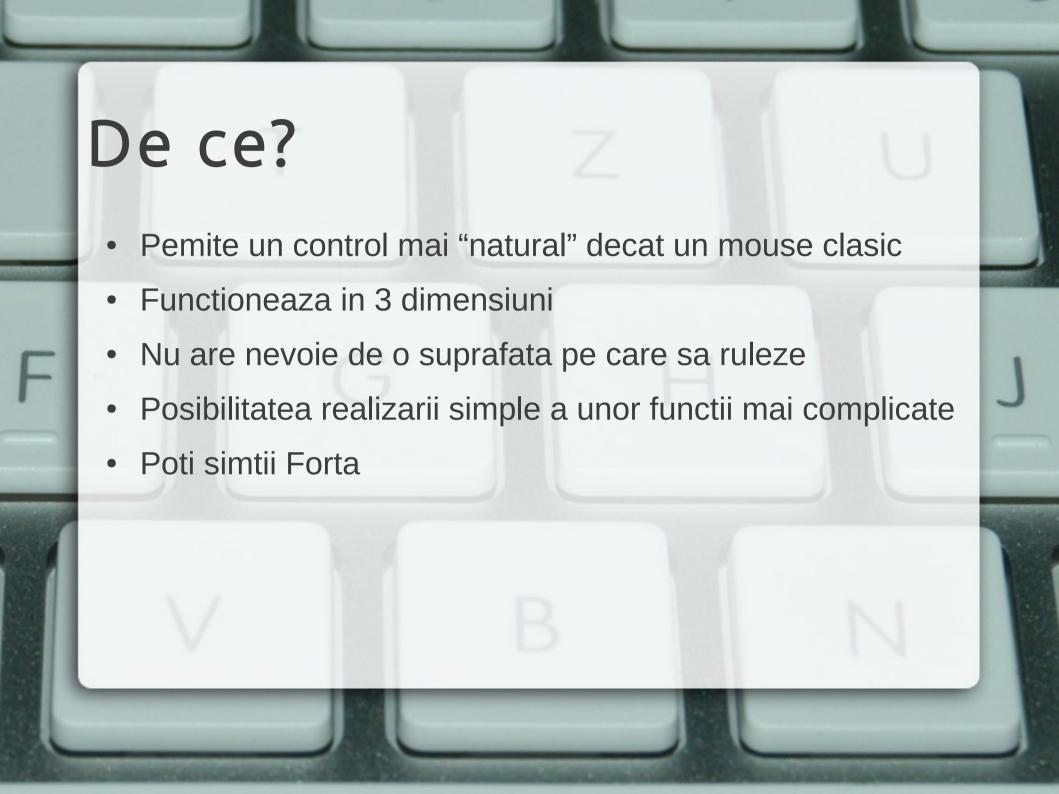




Dispozitiv de control al mouse-ului prin intermediul gesturilor.

Miscarea mouse-ului este miscarea de roatie a mainii, iar cele doua butoane se afla la varfurile degetelor.







1. Hardware

Arduino + giroscop + senzor de presiune + manusa = GloveMouse





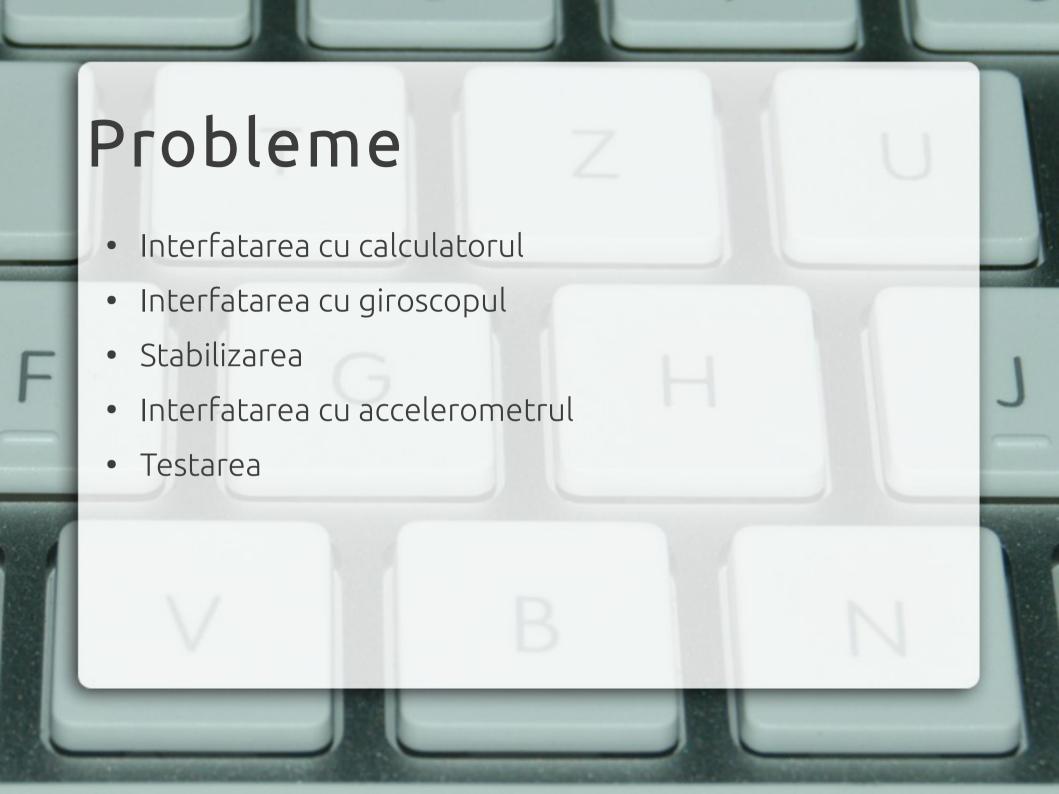




Cum? (2)

- 2. Software
 - UART
 - ADC si input digital
 - Stabilizare
- Accelerare
- Driver (Darran Hunt: http://hunt.net.nz/users/darran/)

```
void test() {
int ind;
mouseReport nullReport = { 0, 0, 0, 0 };
mouseReport report;
delay ms(1000);
report.buttons = 0;
report.x = 0;
report.y = 0;
report.wheel = 0;
report.x = -2;
for (ind=0; ind<20; ind++) {</pre>
         write(report);
         write(nullReport);
}
report.x = 0;
report.v = -2;
for (ind=0; ind<20; ind++) {</pre>
         write(report);
         write(nullReport);
}
report.x = 2;
report.y = 0;
for (ind=0; ind<20; ind++) {</pre>
         write(report);
         write(nullReport);
}
report.x = 0;
report.y = 2;
for (ind=0; ind<20; ind++) {</pre>
         write(report);
         write(nullReport):
```







- Accelerometru
- Miniaturizare
- Modul bluetooth
- Buton de pauza
- Scroll si zoom
- Recunoastere de gesturi



