

Embedded Systems - 10/30/13

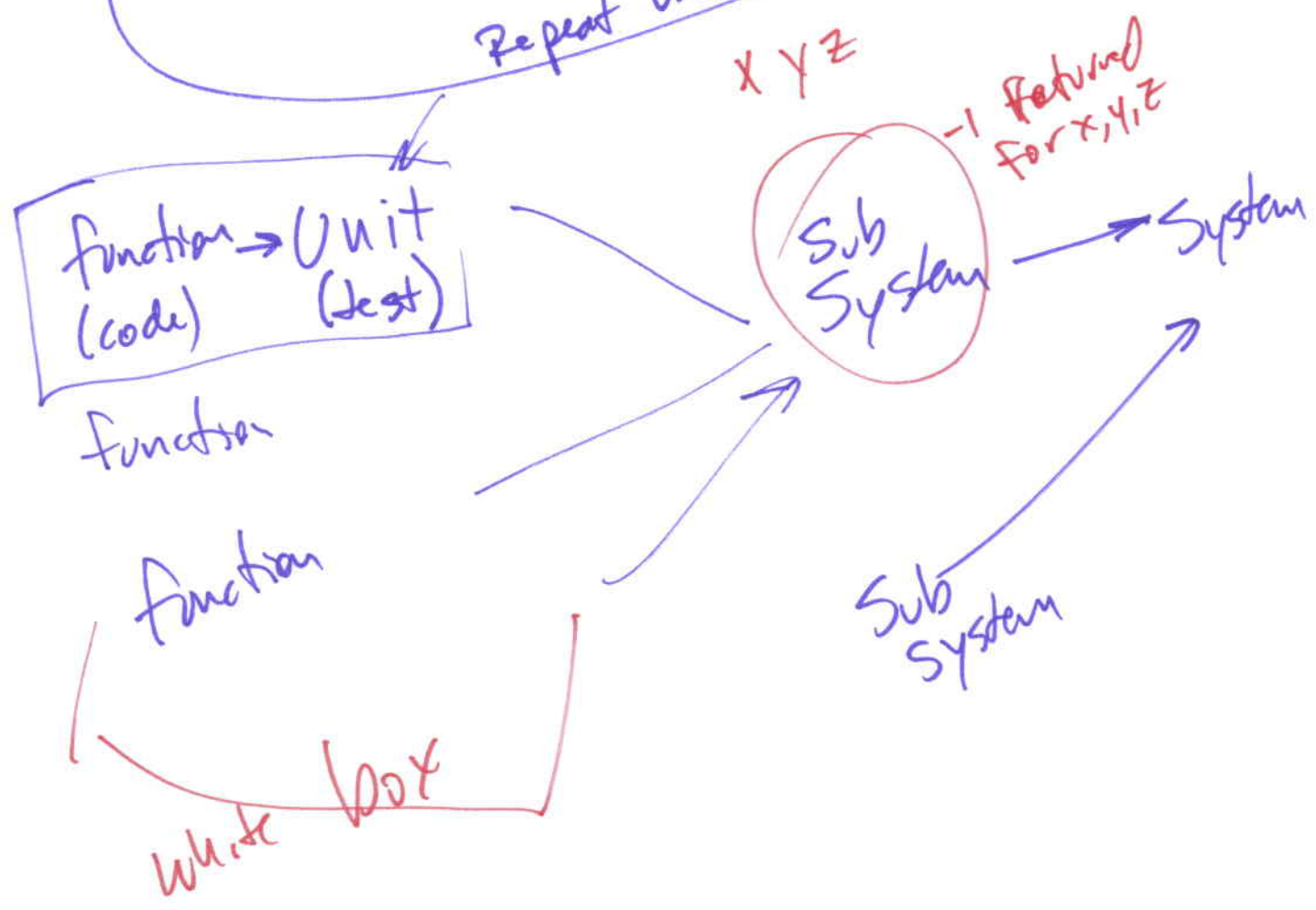
(1)

Hwk 8 → now due 11/6
Hwk 9 → still due 11/11 ← available to complete
Hwk 11 → done any time

BEST way to work on an embedded

- 1) Put everything together, & Pray
- 2) Test one function → what works

Repeat until everything done



Embedded Systems

10/30/13

```
int convertTemp (int temp, char c);
```

// objective → convert a fahrenheit to celsius, or celsius to fahrenheit

temp → if char = 'c', check to make sure it is valid, then convert into f
-273°C = 0°K (if invalid return -999)

if char = 'f', check to make sure it is valid, then convert to c

②

```
int test_num [12];
```

more?

```
test_num[0] = convertTemp(-274, 'c');
```

```
test_num[1] = convertTemp(-273, 'c');
```

```
test_num[2] = convertTemp(-272, 'c');
```

3

-40

4

0

5

2000

```
test_num[6] = convertTemp(30000, 'c');
```

```
test_num[7] = convertTemp( , 'f');
```

which other

What is the range of numbers? int? -32768 to 32767

← 59032

one test case

```
{
testnum = convertTemp(0, 'c');
}
```

Read a sensor

Stub

```
int convertTemp (int temp, char conf) {
return (0);
}
```

function not complete
passing back something