

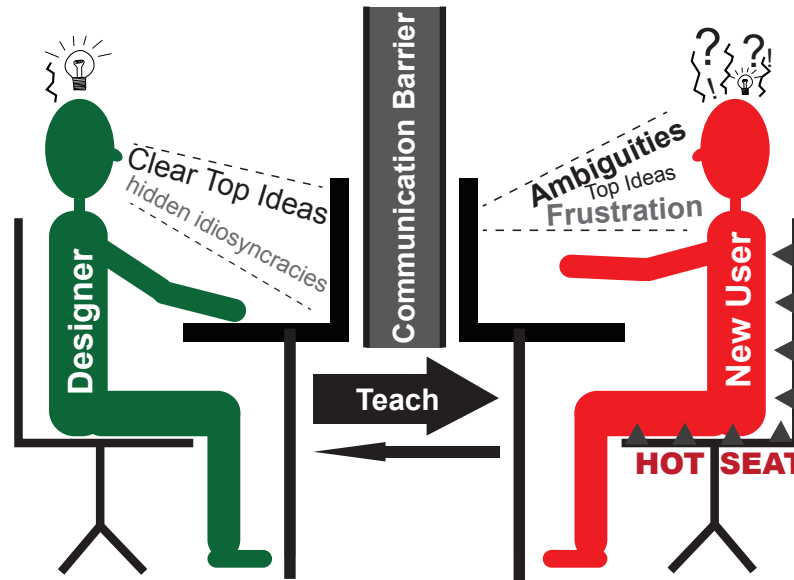
# A. Usual Programming Language Design

Life as Designer ...

Easier to Design  
Harder to Evolve

**Accept**

Avoidable  
Complexity



Life as User ...

Harder to Learn

**Suffer**

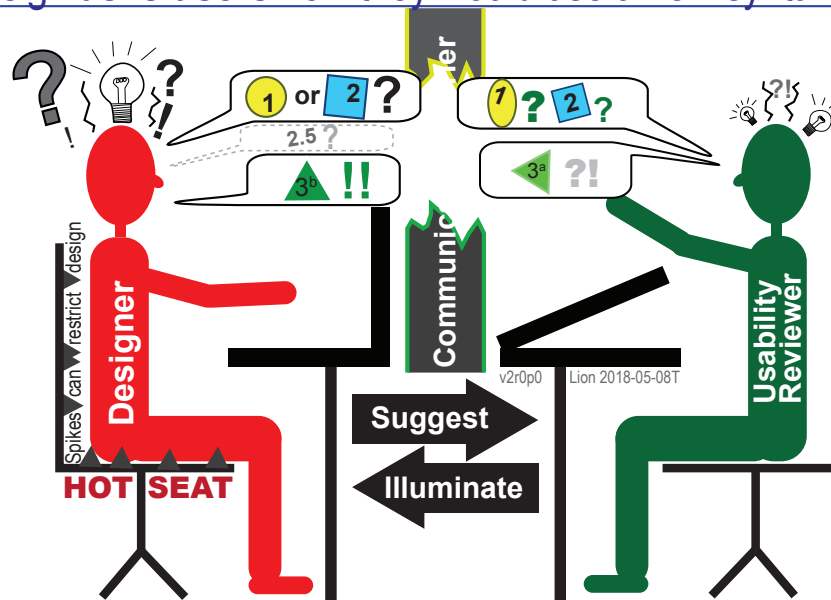
Avoidable  
Complexity

Flipped language design asks users how they would use a new syntax before implementing it.

Harder to Design  
Easier to Evolve

**Fight**

Avoidable  
Complexity



Discuss to Design  
Easier to Learn

**Detect**

Avoidable  
Complexity

# B. Flipped Programming Language Design

Takes <sup>a bit</sup> longer.  
Lasts <sup>a lot</sup> longer.