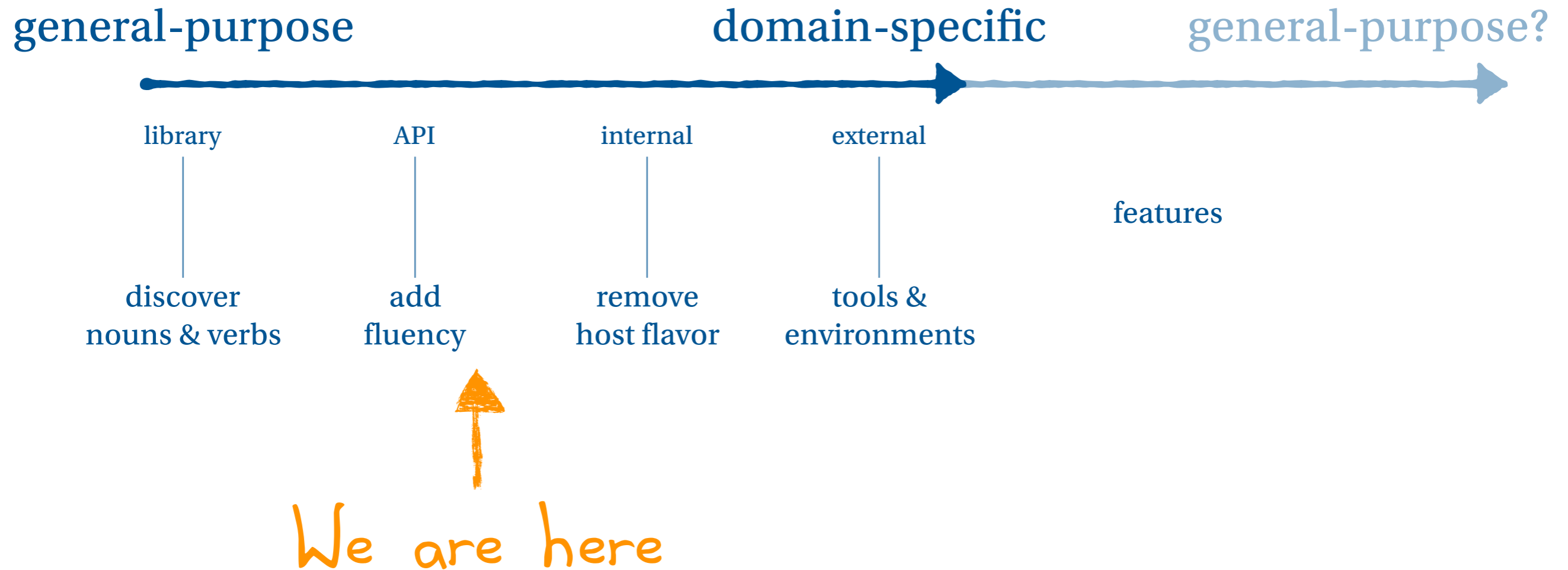


Language Design

The evolution of a DSL?



Exercise 1: Language design

Form groups of 5 groups of three & 1 group of two

Can't be in a group with your HW partner

Discuss your HW answers to the following prompt:

How would you recognize good / bad language design?

Come up with 2 more ideas about good / bad design.

Pick your top 3 ideas about good design & top 3 ideas about bad design.

Exercise 2: Language & community

In the same groups

Talk about the Yang & Rabkin and Pavlus readings

How does language design influence thought?

How does language design amplify or silence voices?

Other thoughts?

Is this a DSL?

jQuery

```
$( "#content" )  
  .find( "h3" )  
  .eq( 2 )  
    .html( "new text for the third h3!" )  
  .end()  
  .eq( 0 )  
    .html( "new text for the first h3!" );
```

from learn.jquery.com/using-jquery-core/working-with-selections

We should have good answers for all these questions

1. Can it satisfy our definition of a **programming language**?
2. What does a program in this language **look** like? (syntax)
3. What happens when a program **runs**? (semantics)
4. What should be **easy, difficult, impossible** in this language?

Exercise 3: API design

In the same groups

Using the Verou and Block readings, critique jQuery's design

`learn.jquery.com/using-jquery-core`

Find 2 examples of good design.

Find 2 examples of bad design.