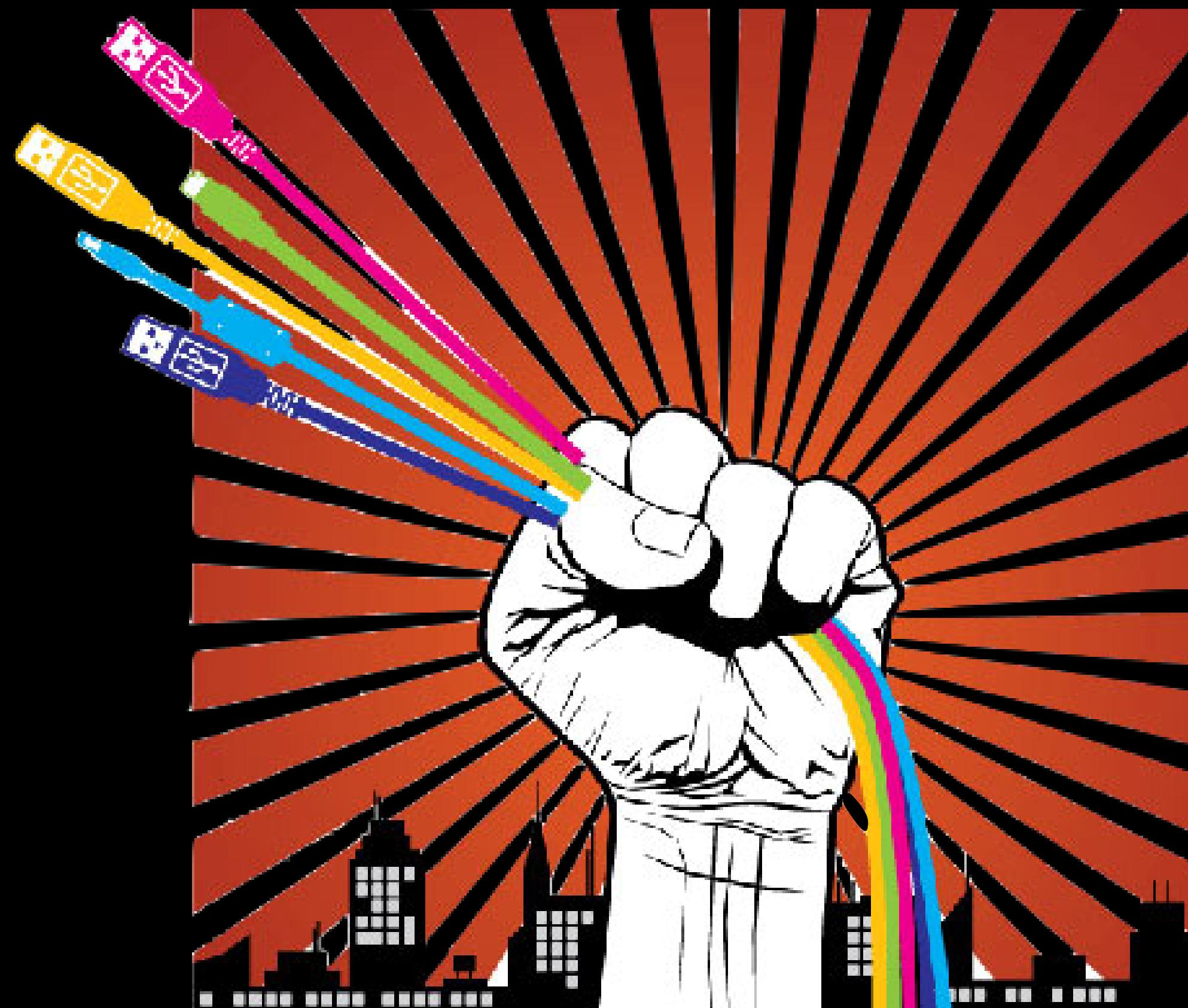


# Running Experiments Online with JATOS



# Before we start: Who are we?



**Elisa Filevich (Cognitive Science, Metacognition)**

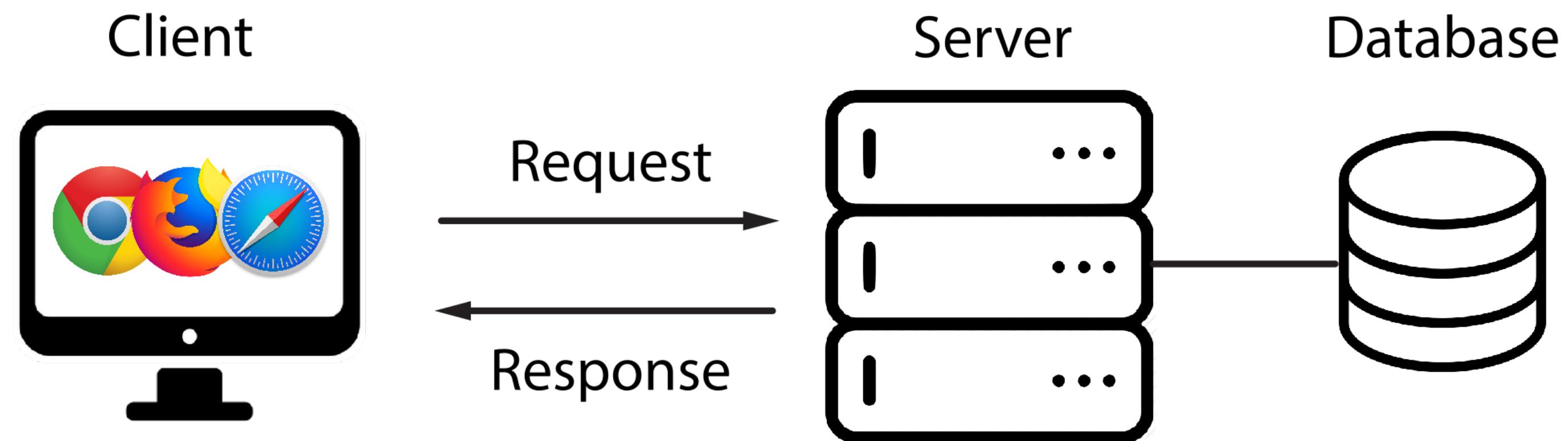
+

**Kristian Lange (Programmer, Back-end)**

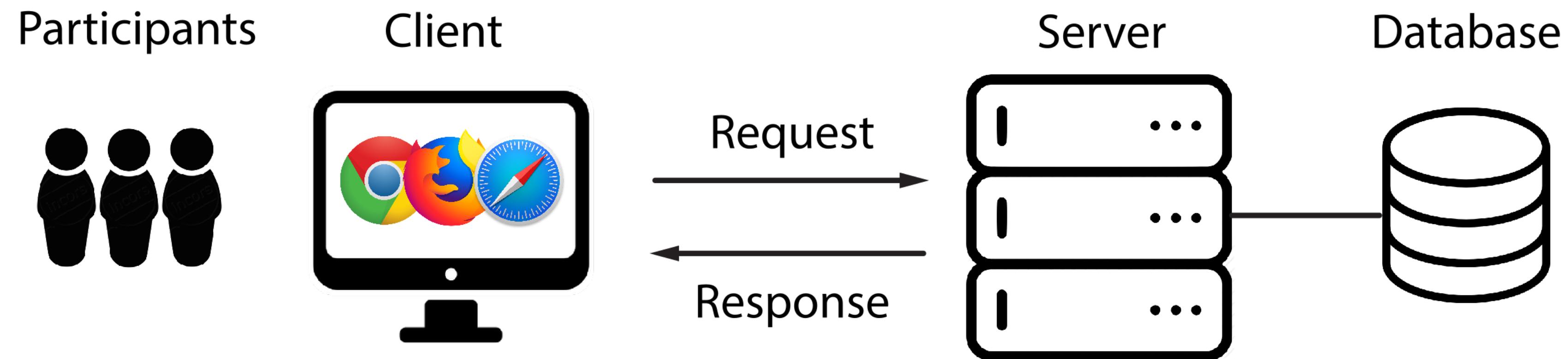
=

**JATOS**

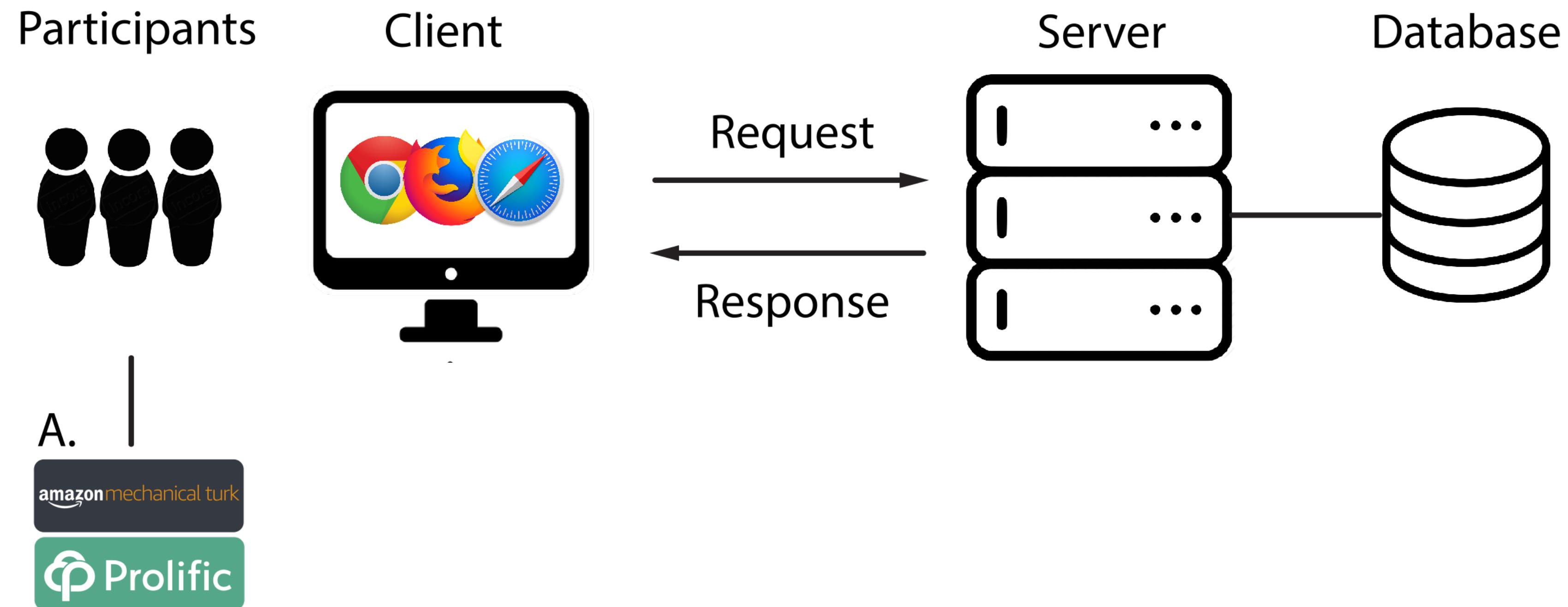
# The Internet



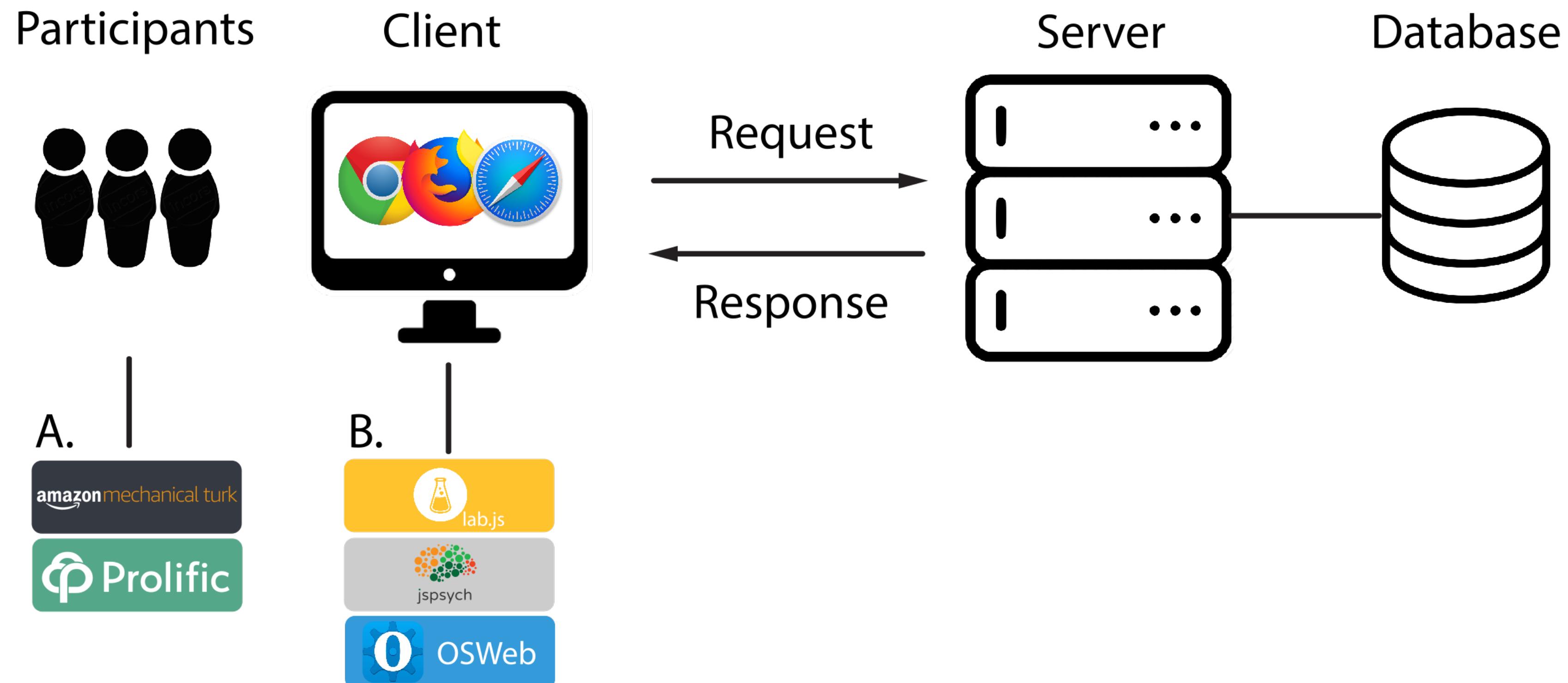
# To run a study online you'll need:



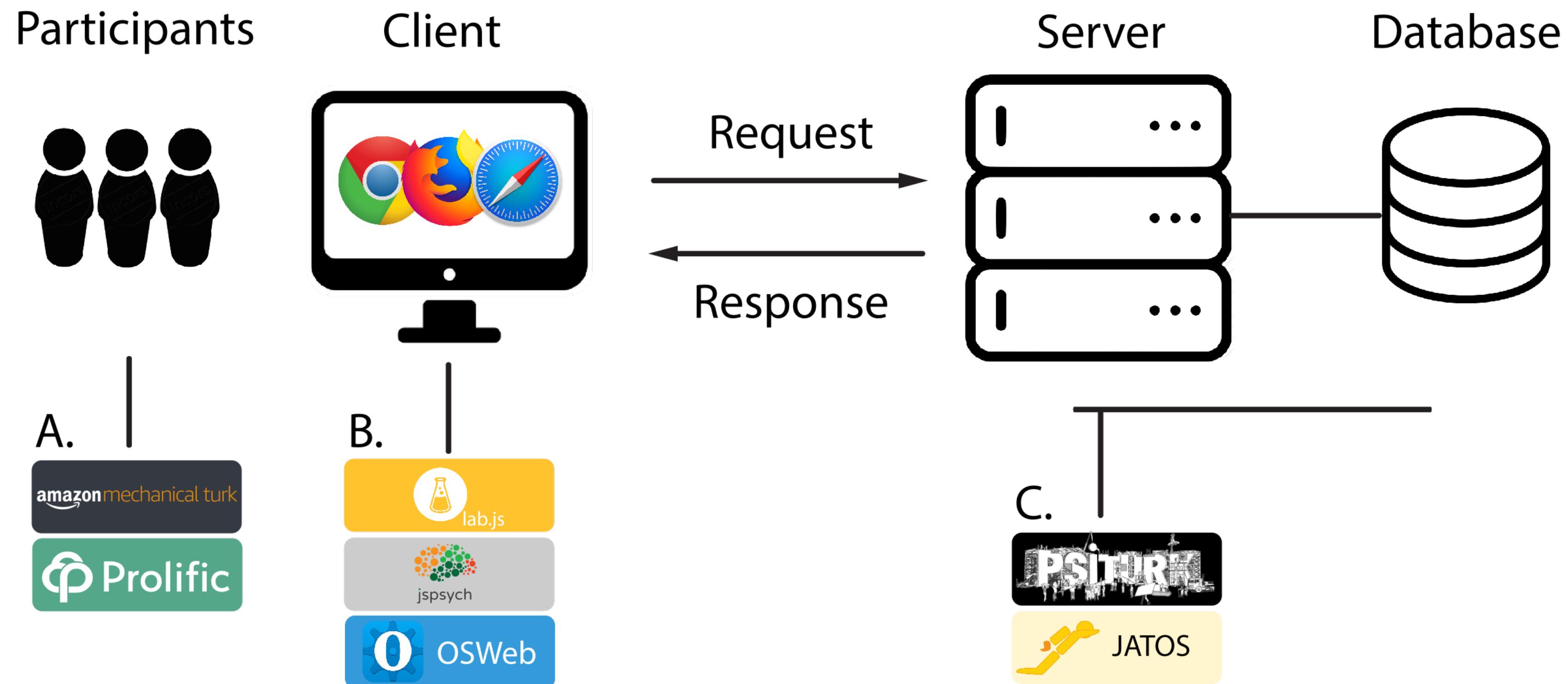
# Different tools solve different problems



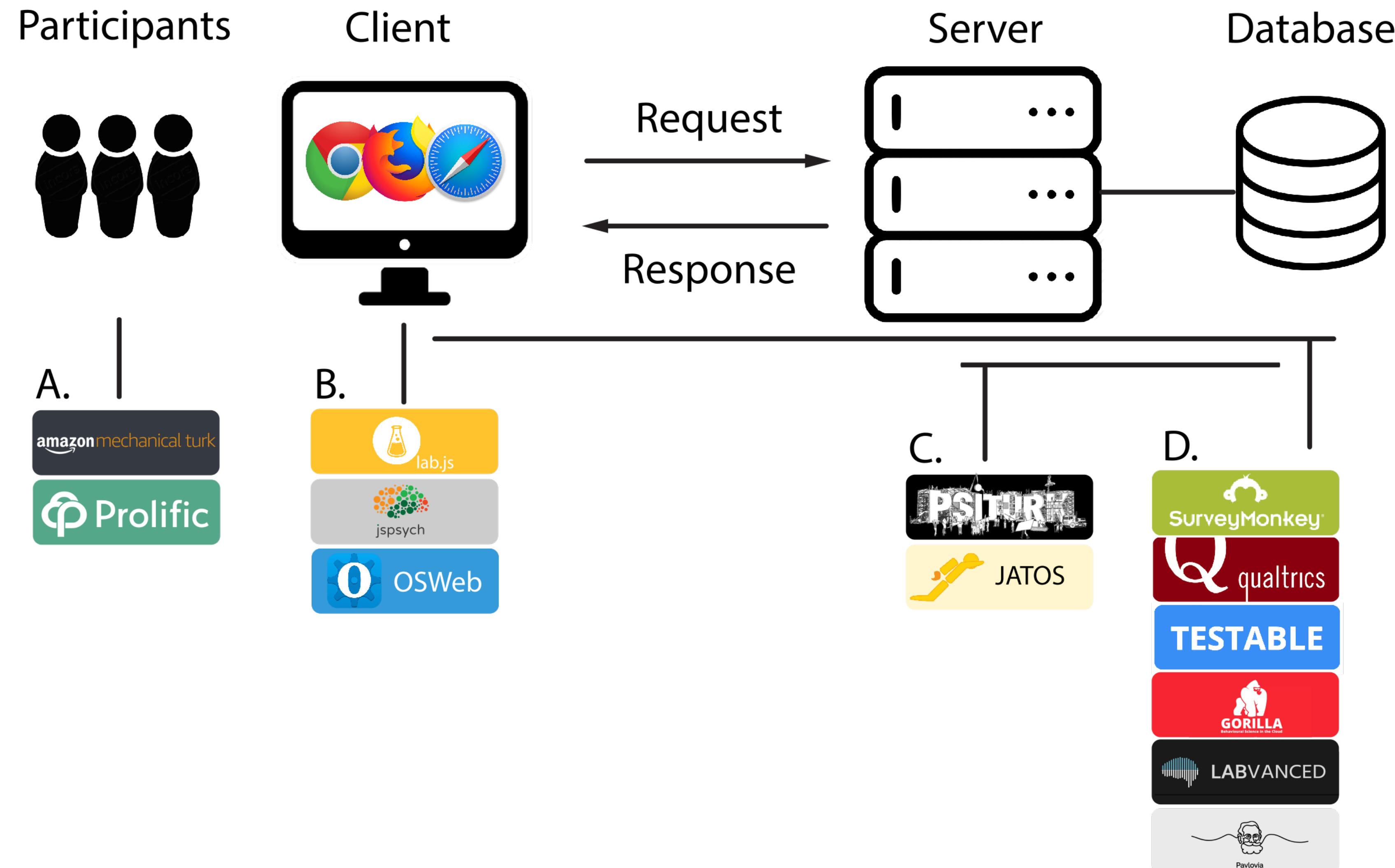
# Different tools solve different problems



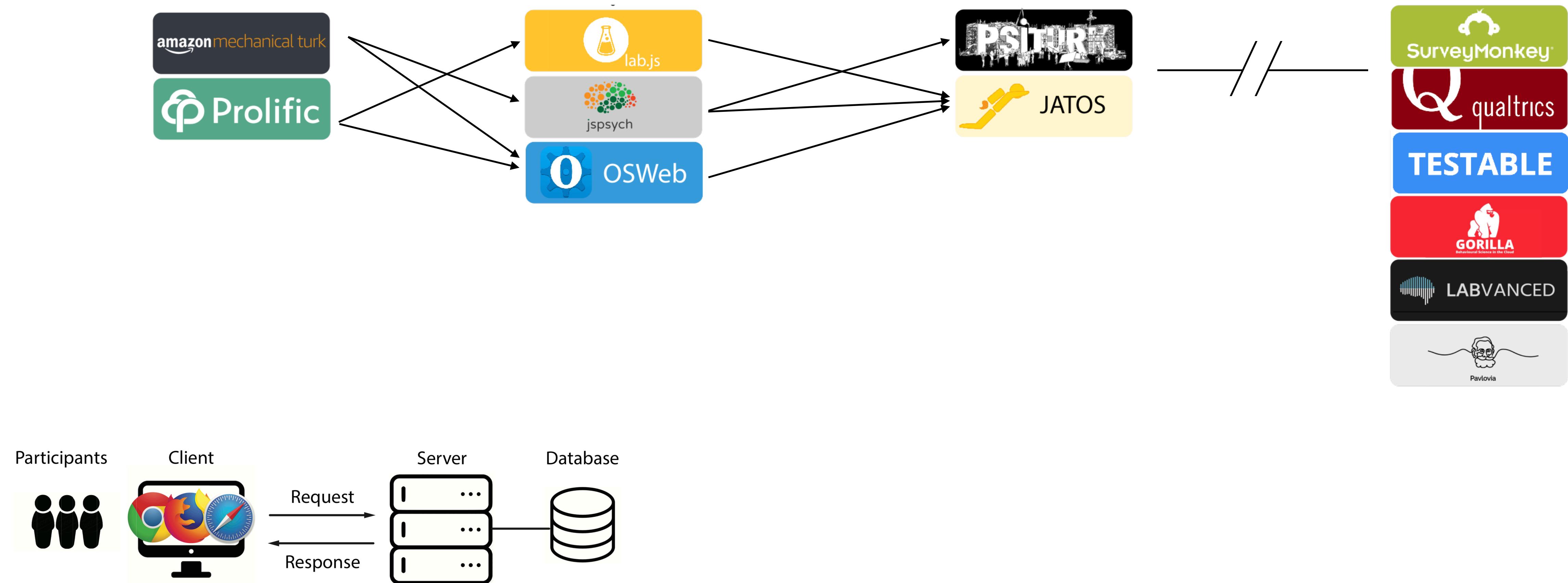
# Different tools solve different problems



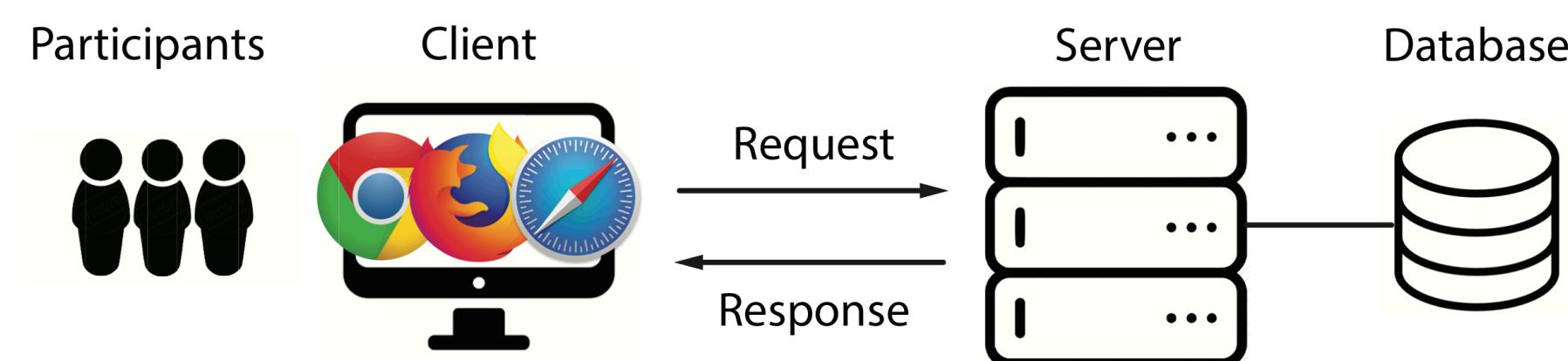
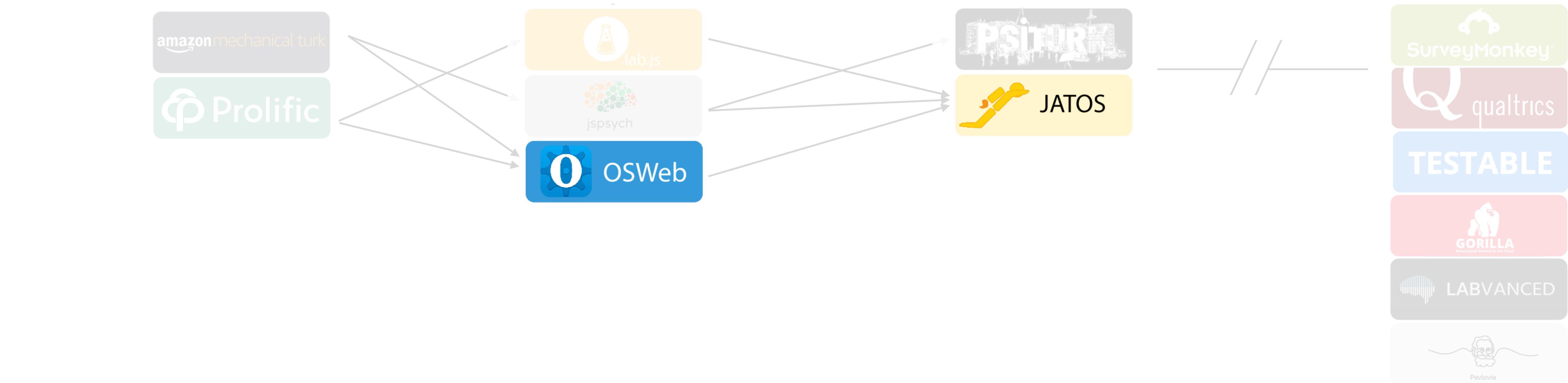
# Different tools solve different problems



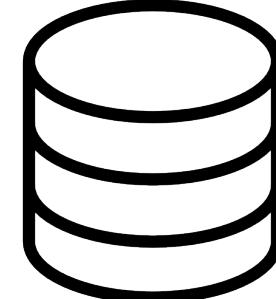
# You can (mostly) mix-and-match client+server tools



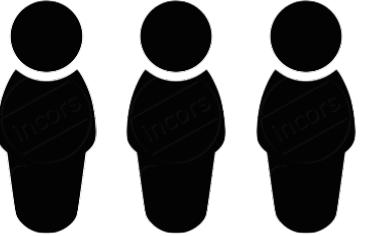
# You can (mostly) mix-and-match client+server tools



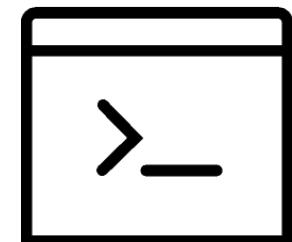
# WWW-based testing has specific challenges



Store data safely



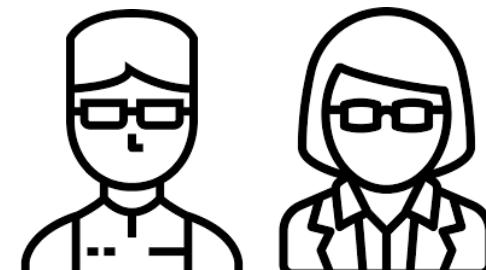
Manage participants



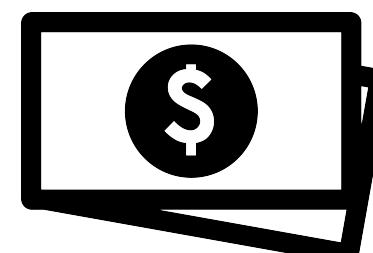
Access data



Store data responsibly

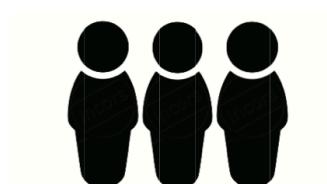


Access your data



Identify to pay participants

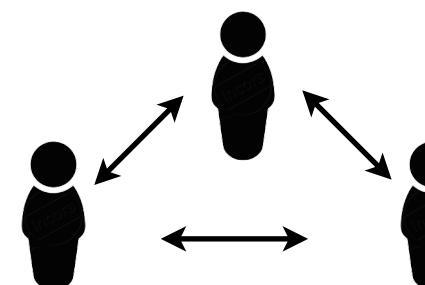
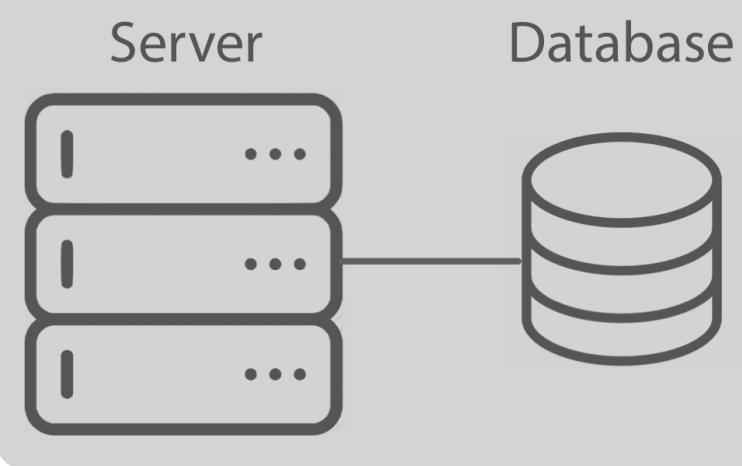
Participants



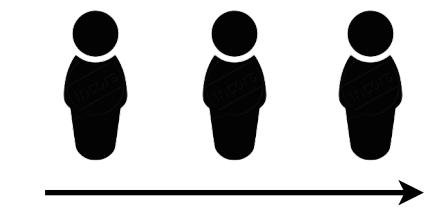
Client



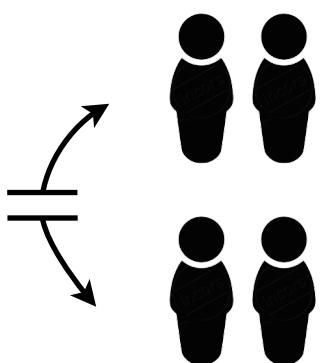
Request  
Response



Group studies



Longitudinal designs



Between-subjects designs

# WWW-based testing has specific challenges



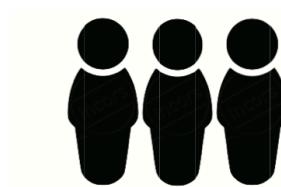
A.

B.

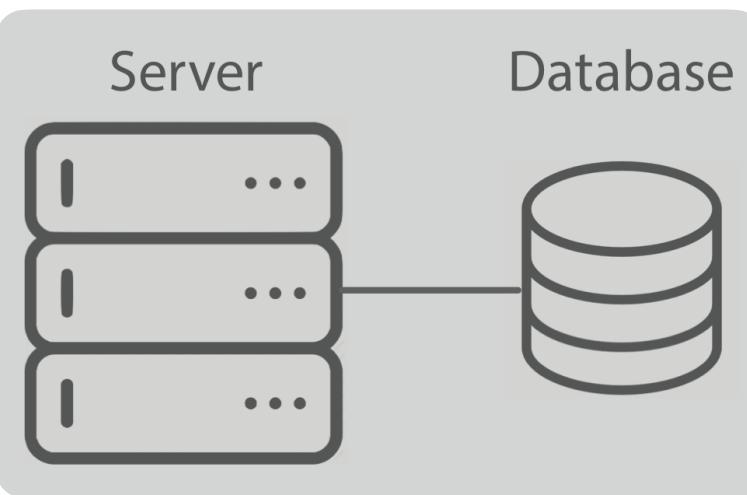
C.

D.

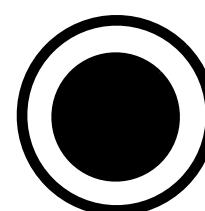
Participants



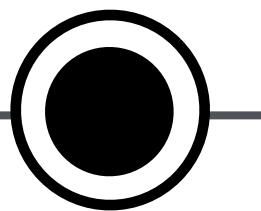
Client



# Workflow



WRITE  
JAVASCRIPTS



EDIT STUDY ON  
LOCAL COMPUTER

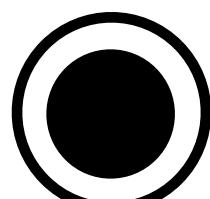
...



```
1 function LinkedList() {
2     this.head = null;
3 };
4
5 LinkedList.prototype.add = function(value) {
6     var node = {
7         value: value,
8         next: null
9     };
10    var current;
11
12    if(this.head === null) {
13        this.head = node;
14    } else {
15        current = this.head;
16        while(current.next) {
17            current = current.next;
18        }
19        current.next = node;
20    }
21 }
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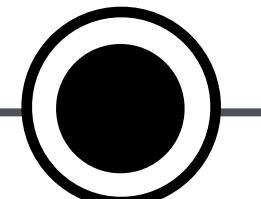


# Workflow

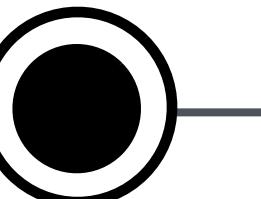


WRITE  
JAVASCRIPTS

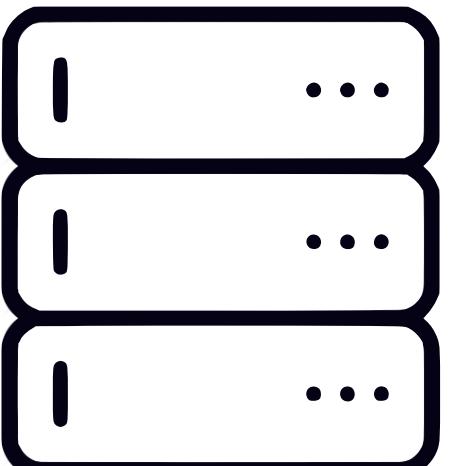
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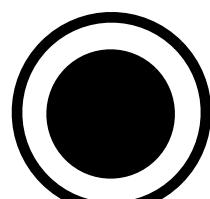
EDIT STUDY ON  
LOCAL COMPUTER



UPLOAD TO  
A JATOS SERVER

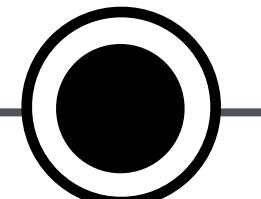


# Workflow

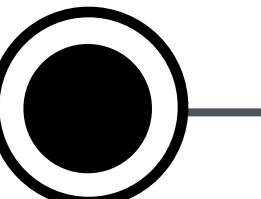


WRITE  
JAVASCRIPTS

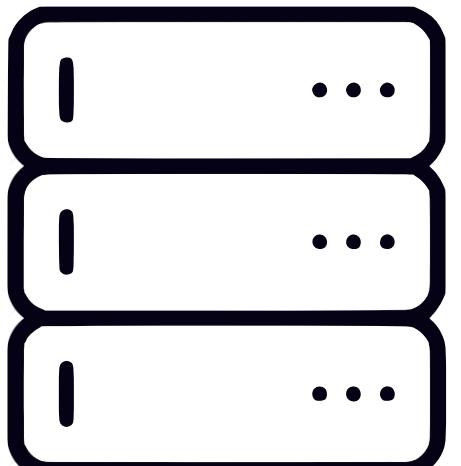
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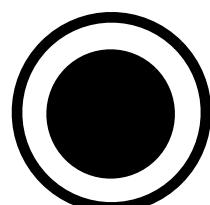
EDIT STUDY ON  
LOCAL COMPUTER



UPLOAD TO  
A JATOS SERVER

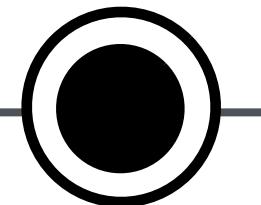


# Workflow

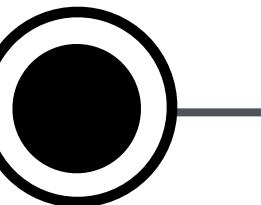


WRITE  
JAVASCRIPTS

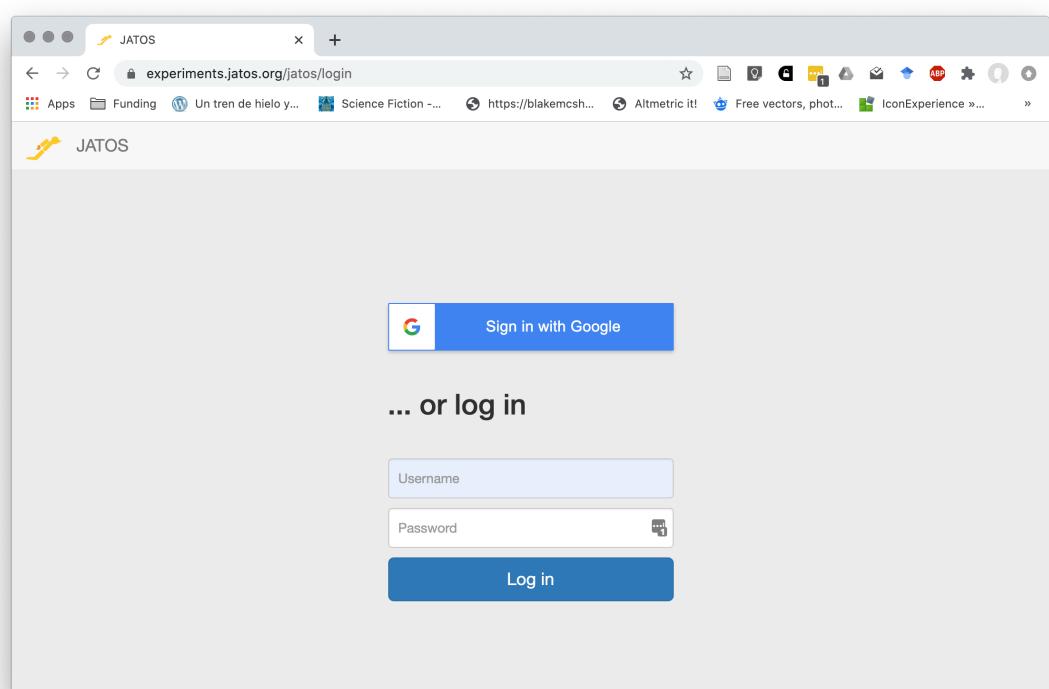
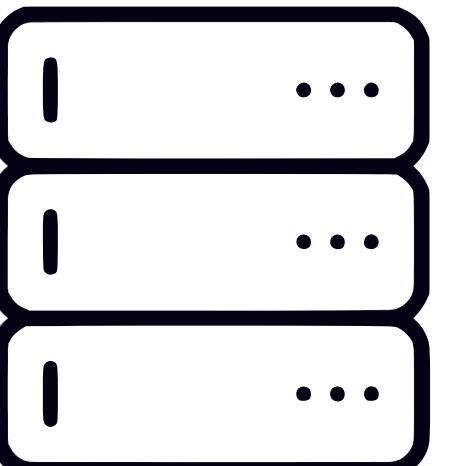
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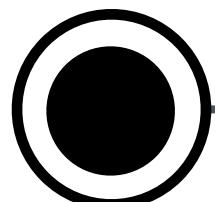
EDIT STUDY ON  
LOCAL COMPUTER



UPLOAD TO  
A JATOS SERVER

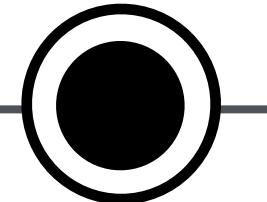


# Workflow

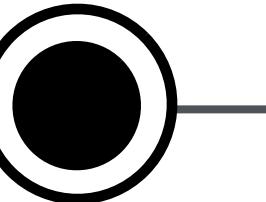


WRITE  
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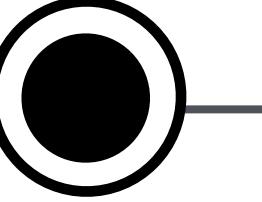
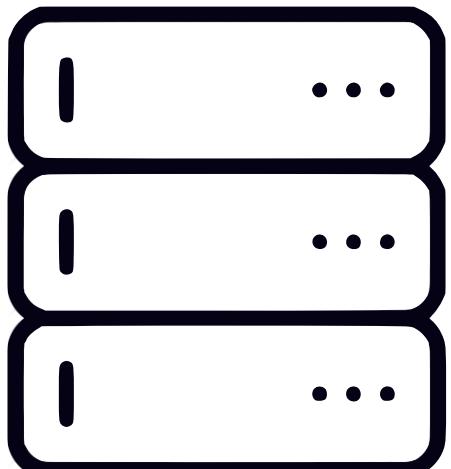
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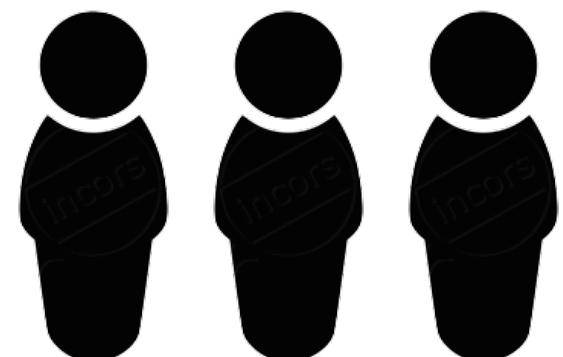
EDIT STUDY ON  
LOCAL COMPUTER



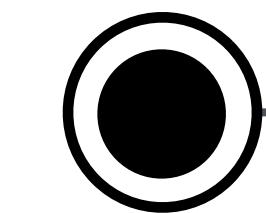
UPLOAD TO  
A JATOS SERVER



ADVERTISE AND  
COLLECT DATA



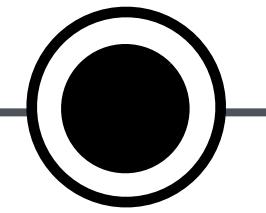
# Workflow



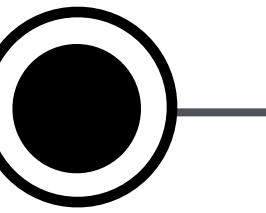
WRITE  
JAVASCRIPTS

```

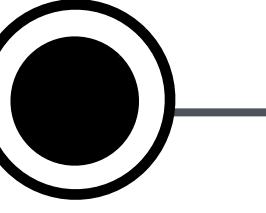
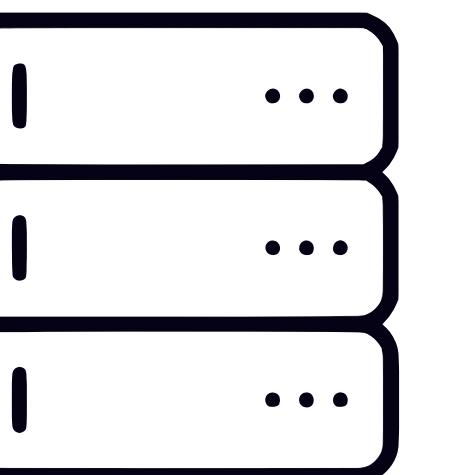
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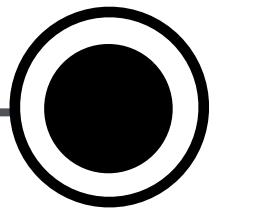
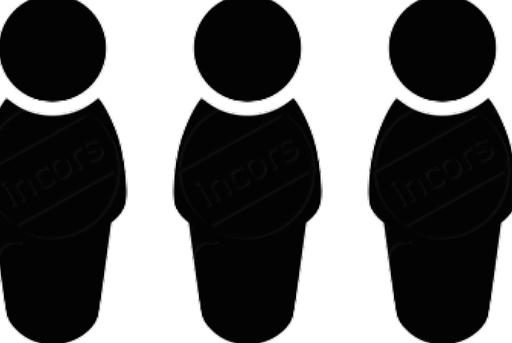
EDIT STUDY ON  
LOCAL COMPUTER



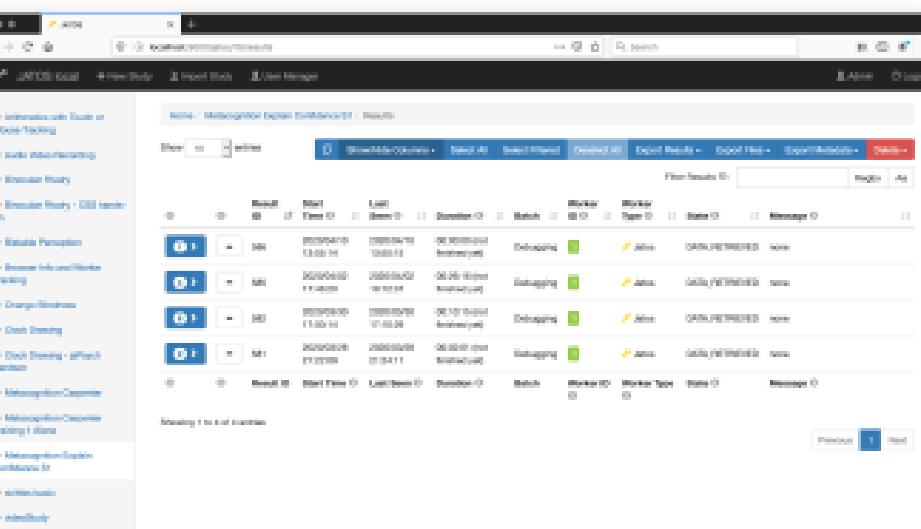
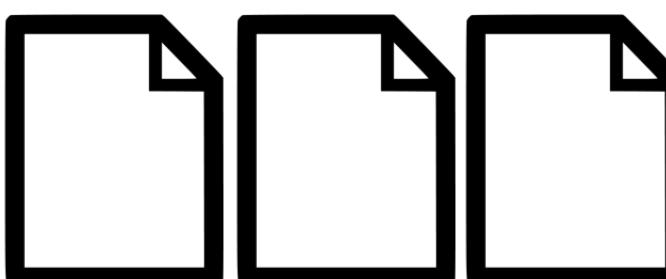
UPLOAD TO  
A JATOS SERVER



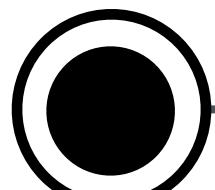
ADVERTISE AND  
COLLECT DATA



DOWNLOAD AND  
ANALYSE RESULTS

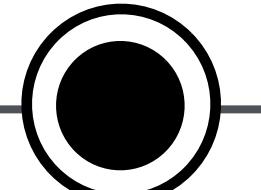


# Thanks! Any questions? (GUI follows)

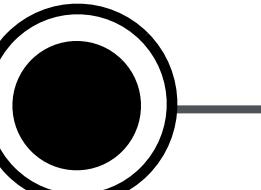


WRITE  
JAVASCRIPTS

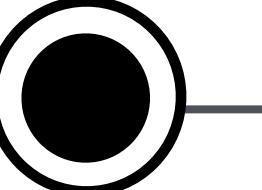
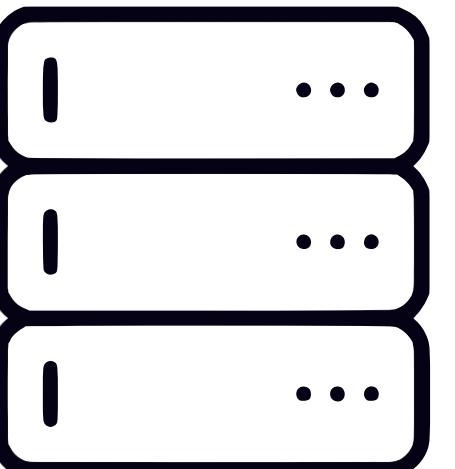
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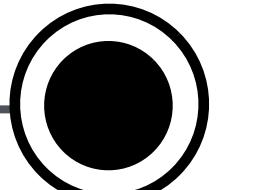
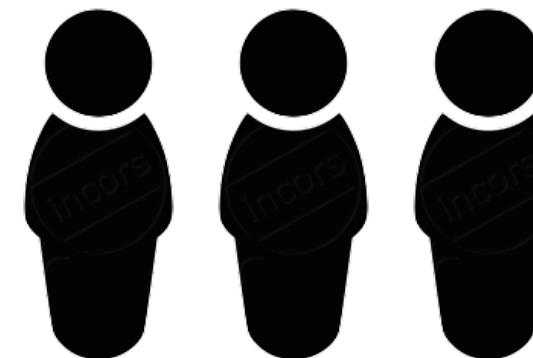
EDIT STUDY ON  
LOCAL COMPUTER



UPLOAD TO  
A JATOS SERVER



ADVERTISE AND  
COLLECT DATA



DOWNLOAD AND  
ANALYSE RESULTS

