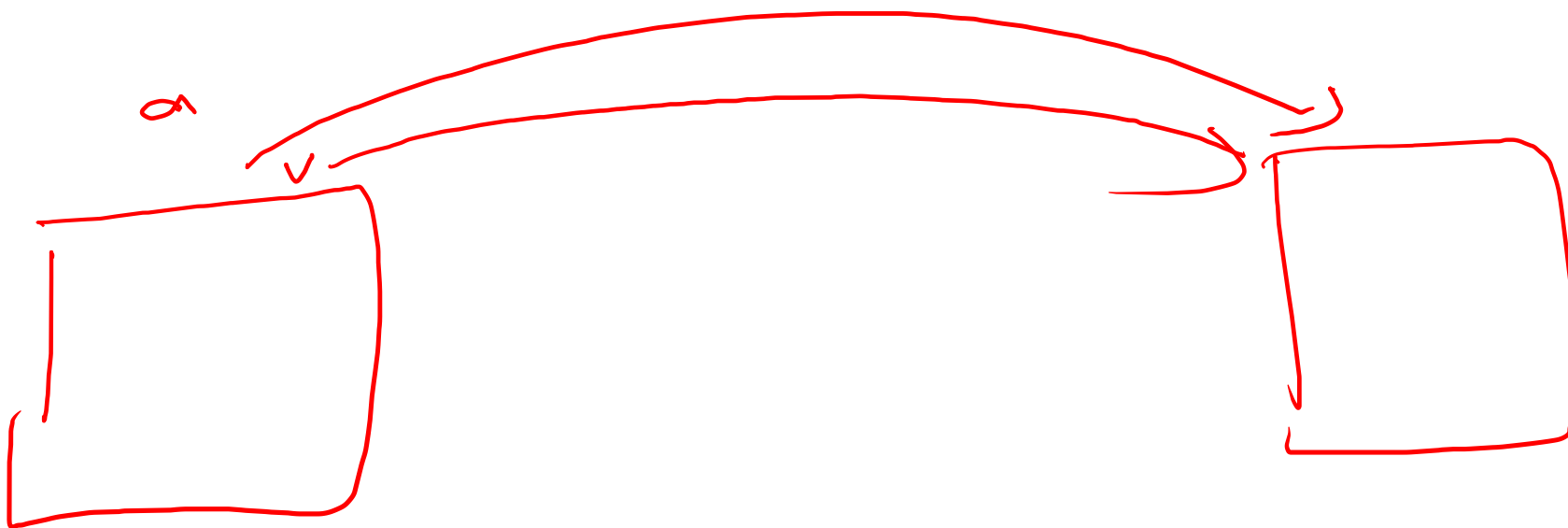


Debounce → Reduce the API



av  
ave  
aven

2 sec → fetch

endpoint

amazon.com/product/electronic

└───┘  
end

            
↓

amazon.com/product/Books  
↑

Constructor function → multiple  
object

Classes → multiple  
object

↓

```
// function Student(a, b) {  
//   this.firstName = a;  
//   this.lastName = b;  
// }
```

J-S

↓ name of class.

```
// class Student {  
//   constructor(a, b) {  
//     this.firstName = a;  
//     this.lastName = b;  
//   }  
// }
```

other developers.

✓

```
// const student1 = new Student("masai", "school");  
// console.log(student1);
```

↓

object

```
// function Person(firstName, lastName) {  
//   this.firstName = firstName;  
//   this.lastName = lastName;  
// }  
// Person.prototype.displayFullName = function () {  
//   console.log(this.firstName + " " + this.lastName);  
// };  
  
// let person1 = new Person("Nikita", "Gupta");  
// console.log(person1);  
  
// function Student(firstName, lastName, batchNo, techStack) {  
//   Person.call(this, firstName, lastName);  
//   this.batchNo = batchNo;  
//   this.techStack = techStack;  
// }  
  
// Object.setPrototypeOf(Student.prototype, Person.prototype);
```

```
class Person {  
  constructor(firstName, lastName) {  
    this.firstName = firstName;  
    this.lastName = lastName;  
  }  
  displayFullName = function () {  
    console.log(this.firstName + " " + this.lastName);  
  };  
}  
  
class Student extends Person {  
  constructor(firstName, lastName, batchNo, techStack) {  
    super(firstName, lastName);  
    this.batchNo = batchNo;  
    this.techStack = techStack;  
  }  
}  
  
const student1 = new Student("shubam", "chaubey", "ptweb13", "MERN");  
console.log(student1);  
student1.displayFullName();  
// class inheritance
```