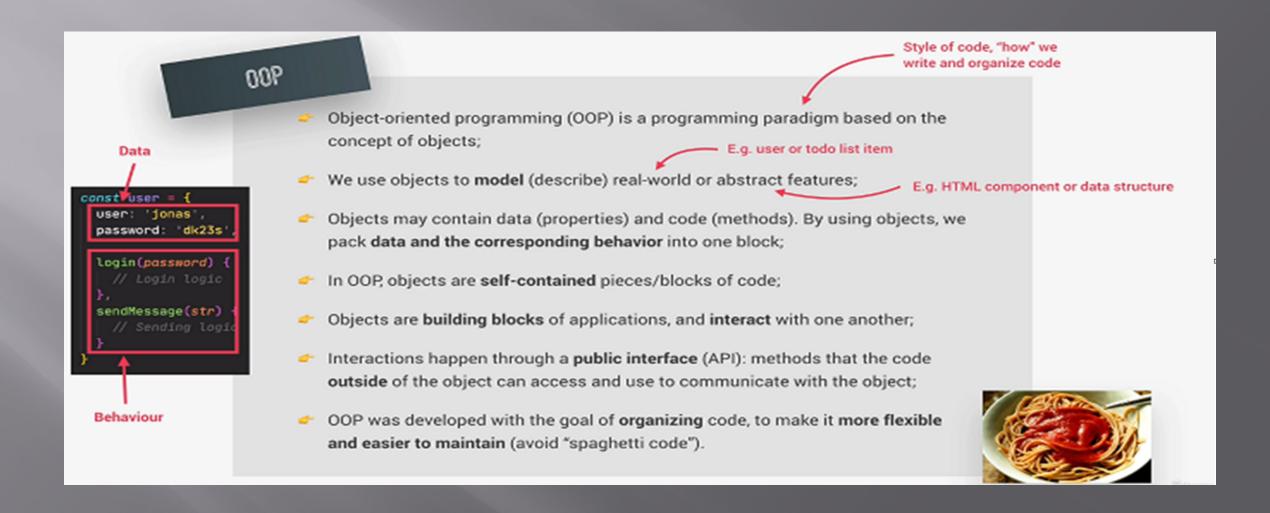
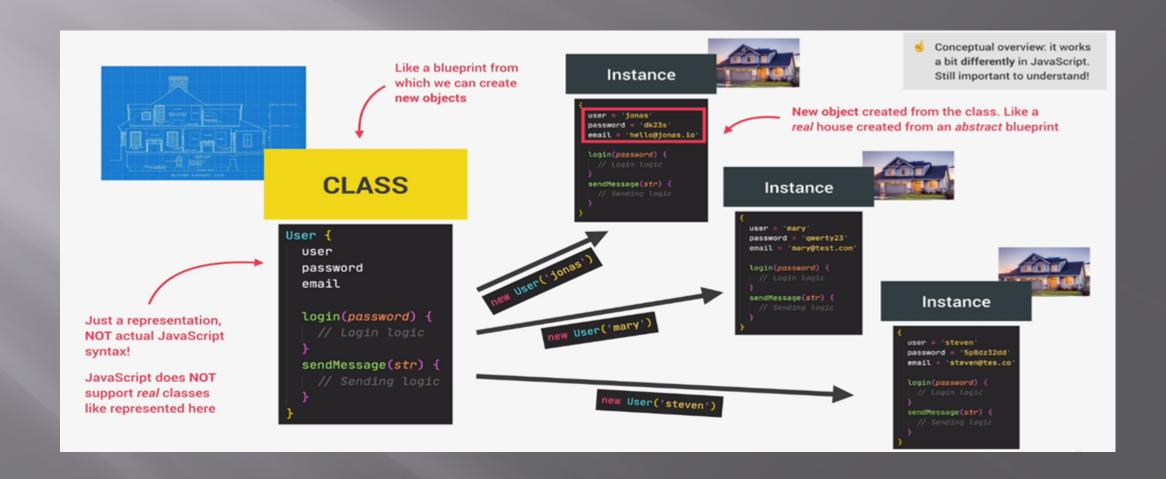
OOPS

Object Oriented Programming



Classes And Instances



Fundamental of OOPS

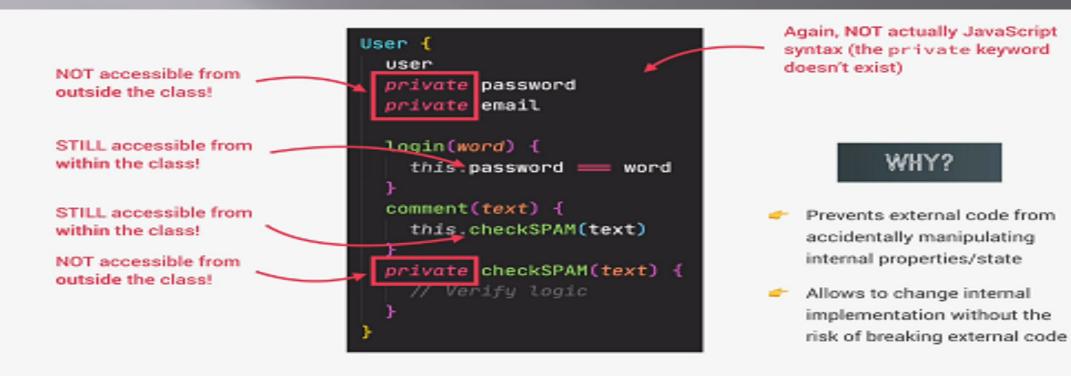


Abstraction



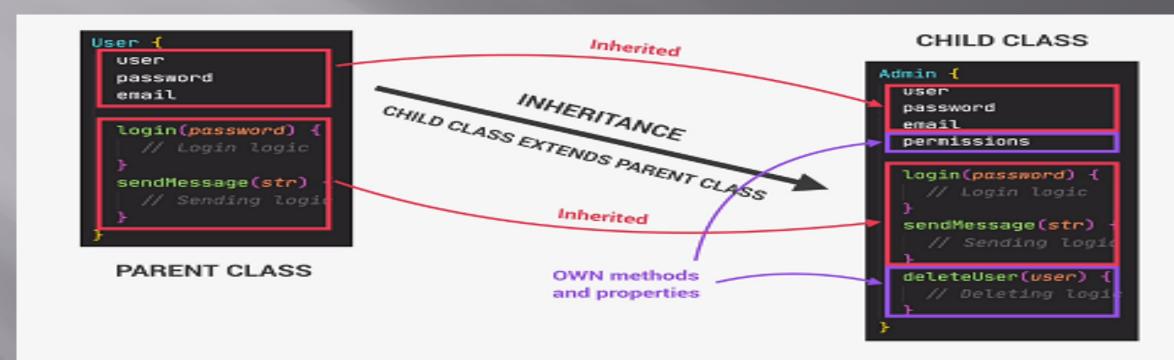
Abstraction: Ignoring or hiding details that don't matter, allowing us to get an overview perspective of the thing we're implementing, instead of messing with details that don't really matter to our implementation.

Encapsulation



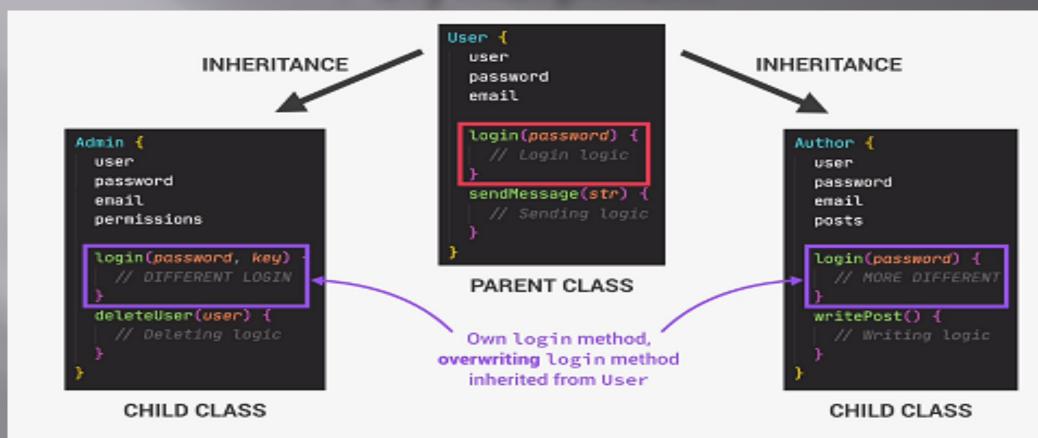
Encapsulation: Keeping properties and methods private inside the class, so they are not accessible from outside the class. Some methods can be exposed as a public interface (API).

Inheritance



Inheritance: Making all properties and methods of a certain class available to a child class, forming a hierarchical relationship between classes. This allows us to reuse common logic and to model real-world relationships.

Polymorphism



Polymorphism: A child class can overwrite a method it inherited from a parent class [it's more complex that that, but enough for our purposes].

Polymorphism

```
class Employee{
    constructor(fullName,age){
        this.fullName = fullName;
        this.age = age;
    getDisplay(){
        console.log(this.fullName);
class FoodToken extends Employee{
    constructor(fullName,age){
        super(fullName,age);
    getDisplay(){
        console.log(this.age);
let obj = new FoodToken("salman",22);
obj.getDisplay();
```