

# Formation Java 8

## Introduction

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# Tour d'horizon

# Méthode par défaut

```
interface MyInterface {  
  
    default void myMethod() {  
        throw new RuntimeException("not yet implemented");  
    }  
}
```

# Expression Lambda

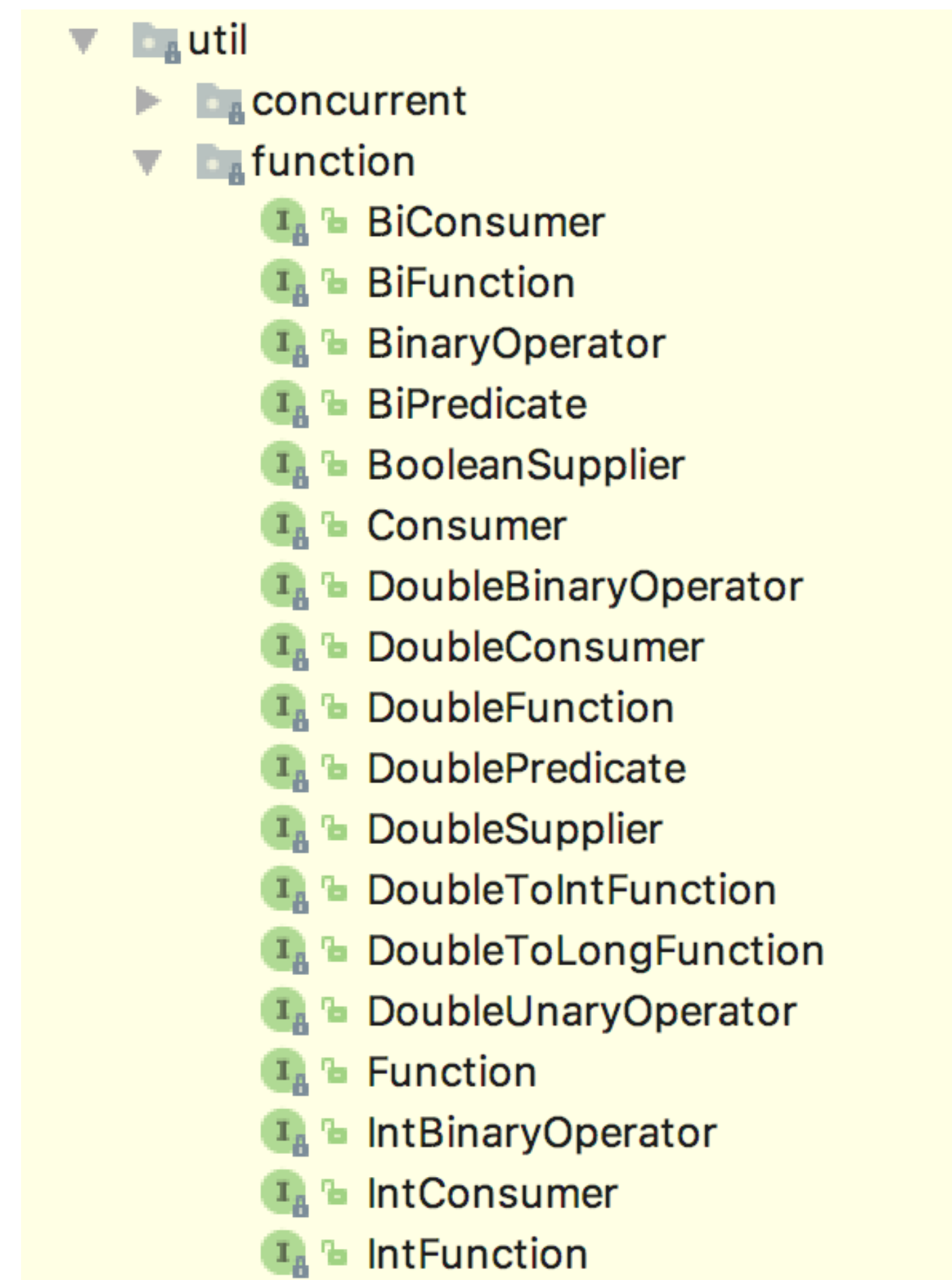
`pizza -> pizza.getPrice()`

# Référence de méthode

`Pizza::getPrice`

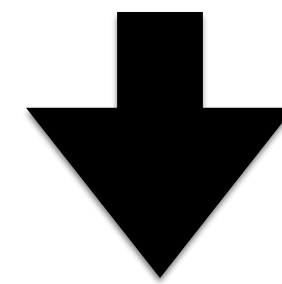
# Fonctions du JDK

**package** java.util.function;



# Pattern Optional

~~NullPointerException~~



Optional<T>

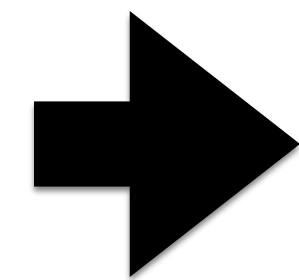


# API Stream

```
listeCommandes.stream()  
    .filter(x -> x.numero.startsWith("201705"))  
    .map(x -> x.montant*0.2)  
    .sorted()  
    .collect(Collectors.toList());
```

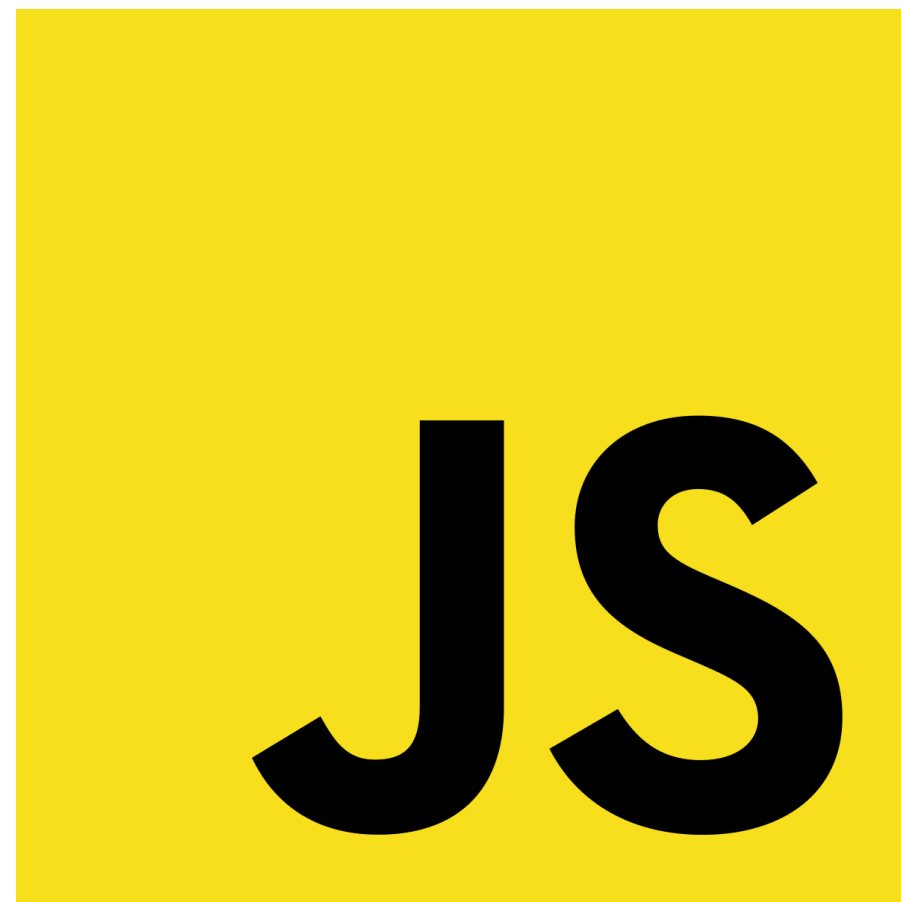
# Date & Time API

~~java.util.Date~~  
~~java.util.Calendar~~



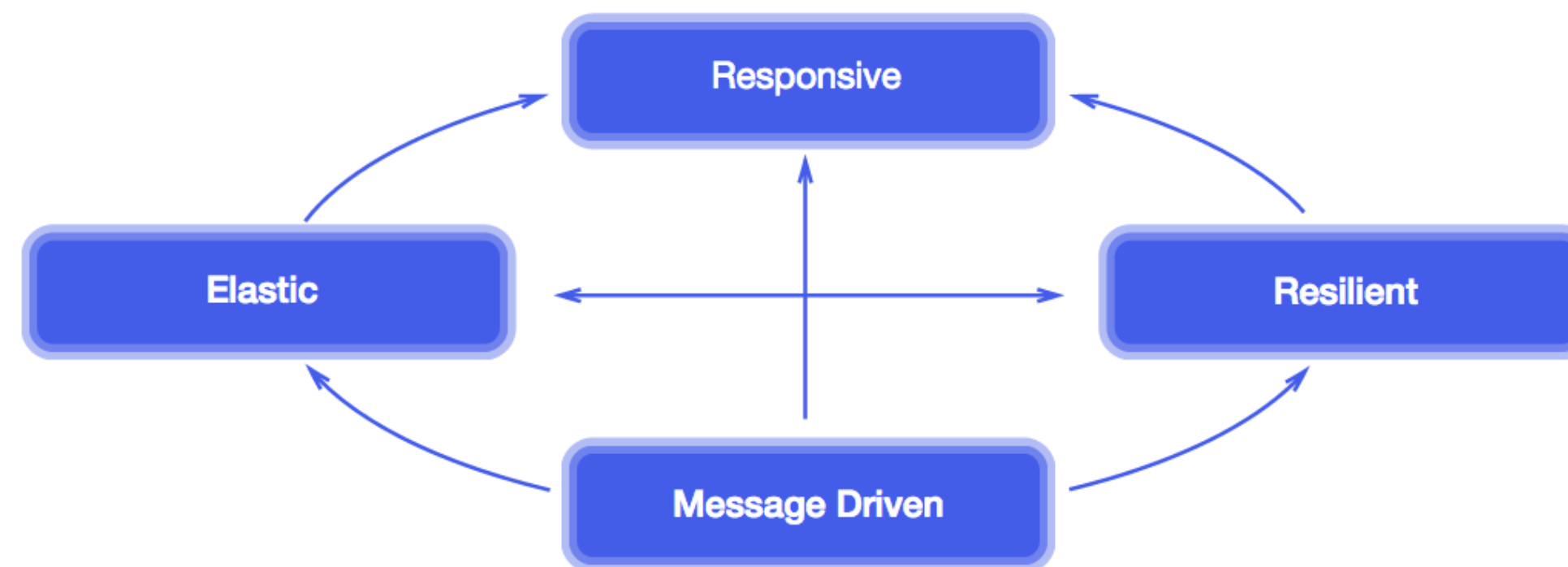
java.time.LocalDate  
java.time.LocalTime  
java.time.LocalDateTime  
java.time.Instant  
java.time.Period  
java.time.Duration

# Nashorn



# Au delà de Java 8

## Programmation Réactive



Asynchronisme

Ecosystème