



Arquitetura Hexagonal e O Armário Bagunçado!

Danilo P. De Luca #JavaDay



Quem

...

... Já levou bronca
para **arrumar** o
armário?





Quem

...

... Já fez um projeto
do **ZERO**?





Quem

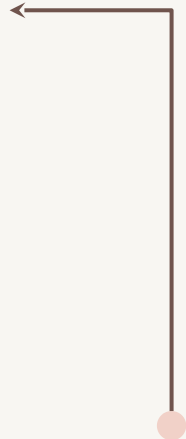
...



... Conhece algum
Padrão de
Arquitetura?



As Broncas da Mamãe



Na sua infância



As Broncas





As Broncas



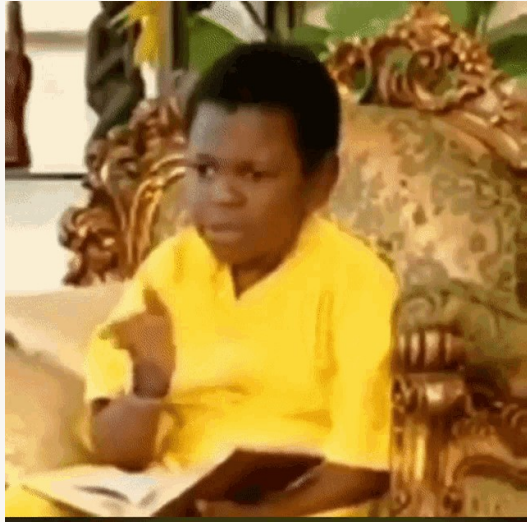


As Broncas

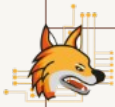




O Desafio...



... Deixar o quarto/
armário
arrumado?



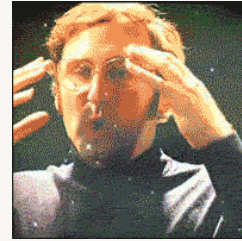
O Desafio...



... **Compartilhar** o
que devia ter em
cada **gaveta!**



01



Determinar um
senso comum
de
organização!



Quem

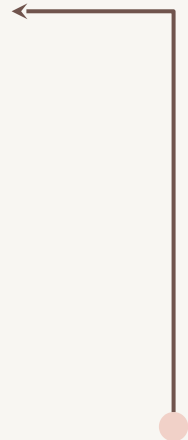
...



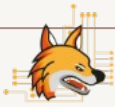
... Já está
trabalhando?



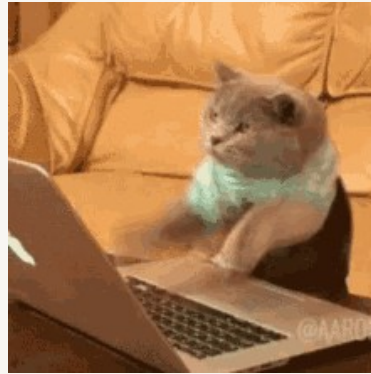
1º Pull Request

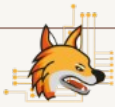


Quando tudo começou!



1° Pull Request

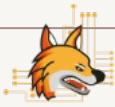




1° Pull Request

+778 -477 

1,255 lines changed



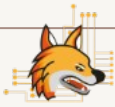
1° Pull Request





1° Pull Request





1° Pull Request



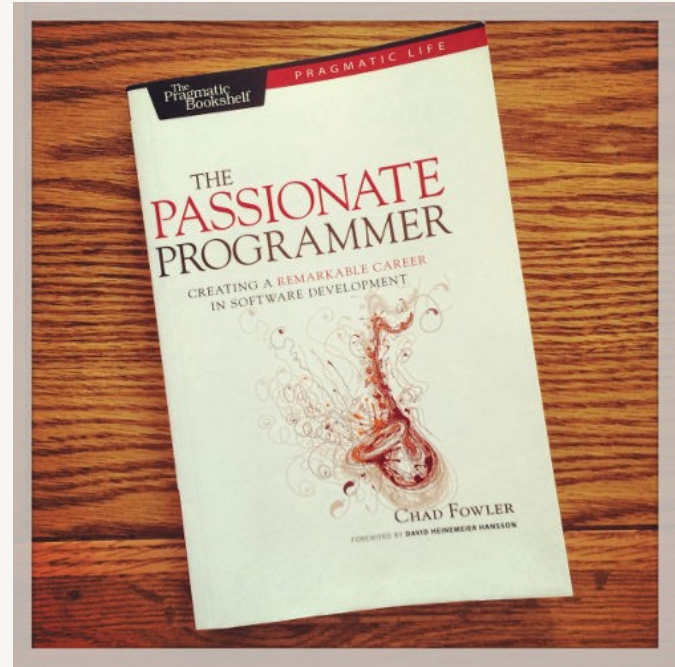
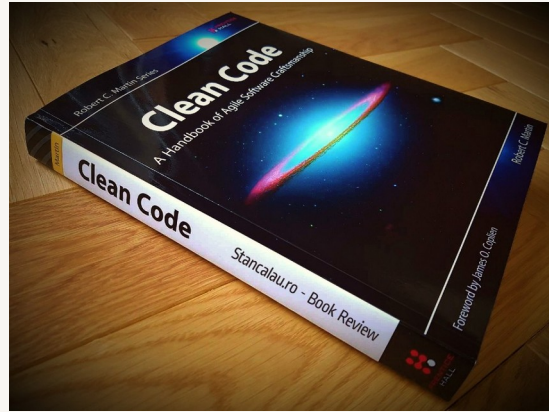


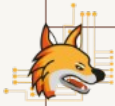
1^o Pull Request

502 Bad Code

You really need to clean this stuff up.
Seriously.

[illegible]





02



Ter um **código
organizado** é
importante!



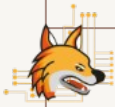
Armário Bagunçado ? Arquitetura



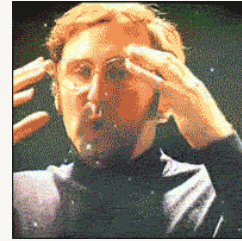
**Determinar um
senso comum de
organização!**



Ter um **código
organizado** é
importante!



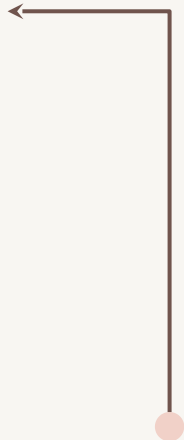
03



Padrões de Arquitetura



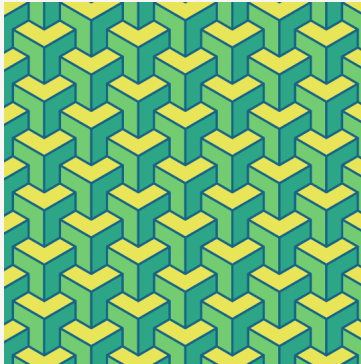
Padrões de Arquitetura



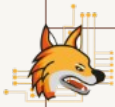
Indo além de código



O que é ...



... Padrão?



O que é ...



... Arquitetura?



Repetição de
algo por
diversas
vezes

+

Arte de organiza
distintos
componentes



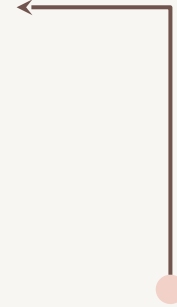
Padrões de Arquitetura

*“Arte de organizar as similaridades
entre componentes”*





Arquitetura Hexagonal



Padrões de Arquitetura



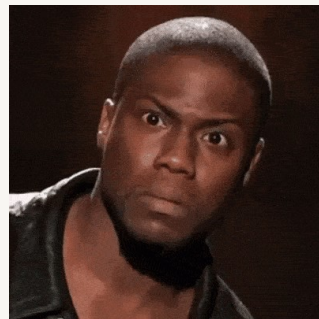
Arquitetura Hexagonal

Ports + Adapters



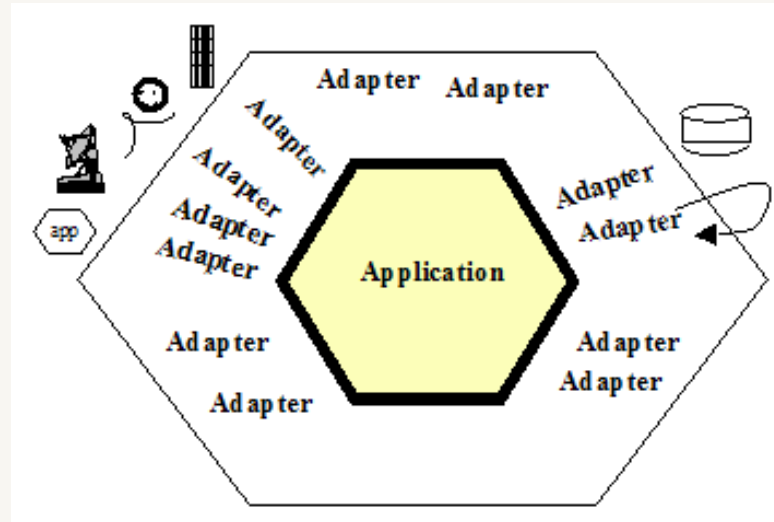
Arquitetura Hexagonal

Ports + Adapters



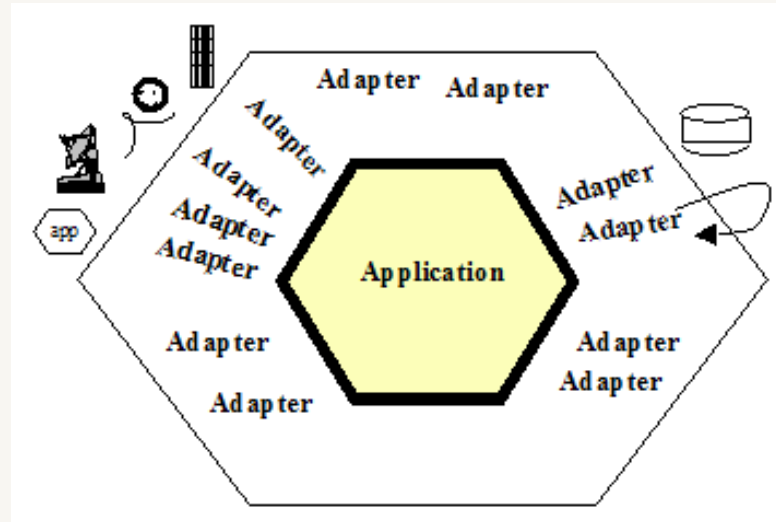


Arquitetura Hexagonal





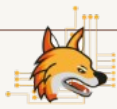
Arquitetura Hexagonal



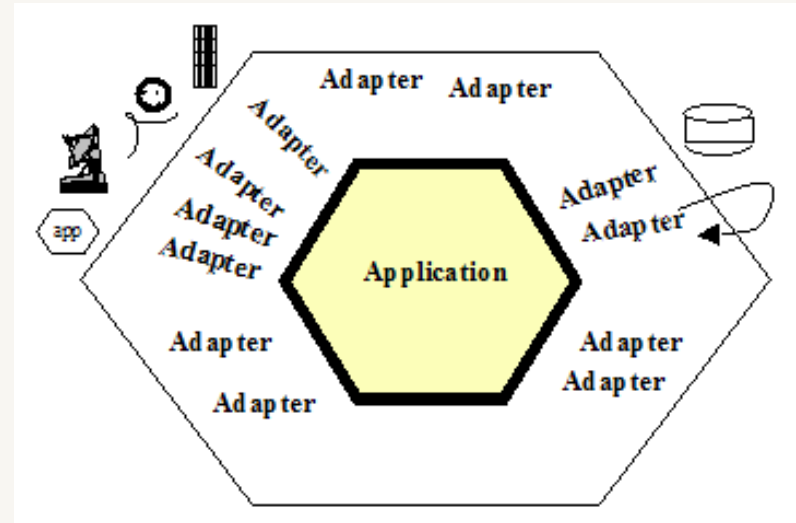


Arquitetura Hexagonal





Arquitetura Hexagonal





Arquitetura Hexagonal





Arquitetura Hexagonal

“Usar “Ports and Adapters” para conectar componentes ao Core da sua aplicação”



Como

...



... Implementar
usando **Java**?



Com Java



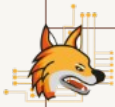
Arquitetura Hexagonal



O que é ...

... uma Interface?





```
java Copy code

interface Drawable {
    void draw(); // Abstract method
    int DEFAULT_COLOR = 0xFF0000; // Constant field

    default void print() { // Default method with an implementation
        System.out.println("Drawing with color: " + DEFAULT_COLOR);
    }

    static void info() { // Static method
        System.out.println("This is a Drawable interface.");
    }
}

class Circle implements Drawable {
    @Override
    public void draw() {
        System.out.println("Drawing a circle.");
    }
}

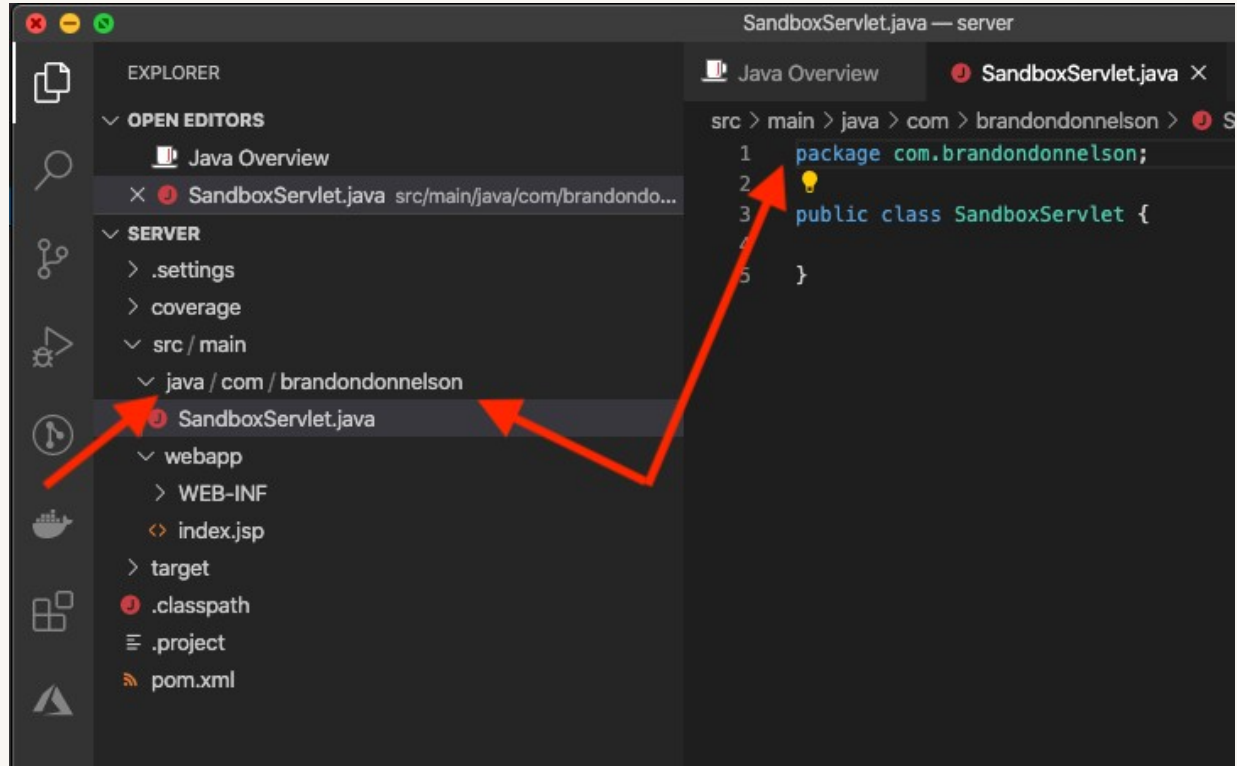
public class Main {
    public static void main(String[] args) {
        Circle circle = new Circle();
        circle.draw(); // Calls the draw method from the Circle class
        circle.print(); // Calls the default print method from the Drawable
        Drawable.info(); // Calls the static info method from the Drawable i
    }
}
```



O que é ...



um **Package/** **Módulo?**





Implementando com Java

**Interfaces + Packages/
Modulos**





Show me the **Code!**





Dúvidas?

@danilopdl

