











## How to make Smoothie!













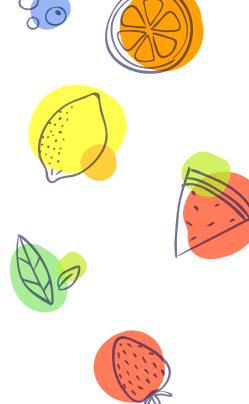




## We want...

- Find the perfect smoothie
- Be rich
- Not the hard way the smart way

Something cool!







# The smooth/A

Tell the perfect smoothie for YOU





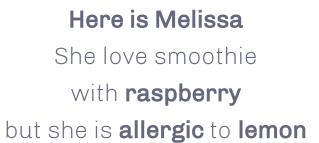




































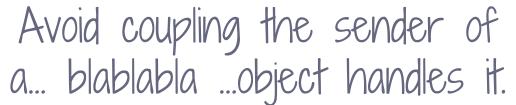




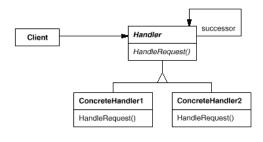














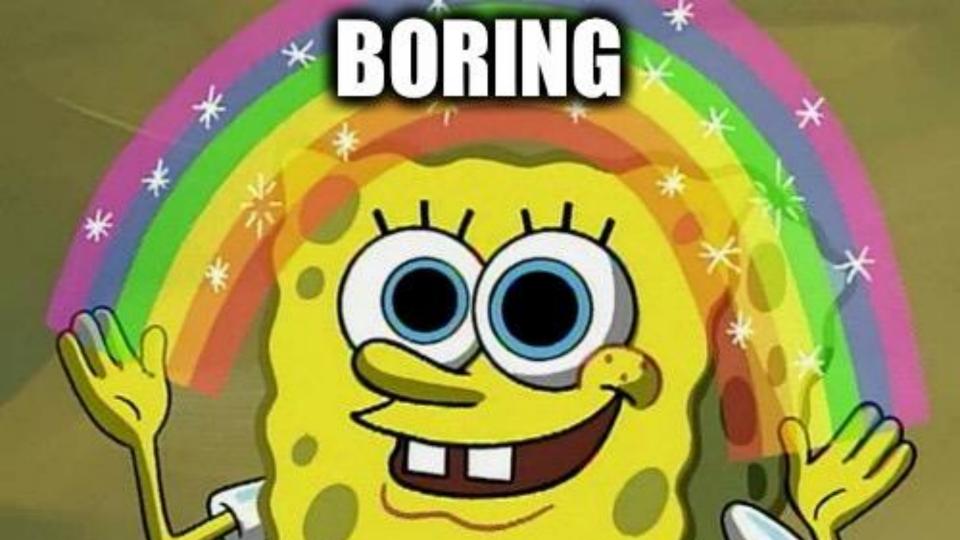












## Big title really fun so you are focus

### Input aka Sender

A smoothie

#### People aka recievers

Daniel.

Jane,

Melissa

#### Output

Does the smoothie has been choosen?



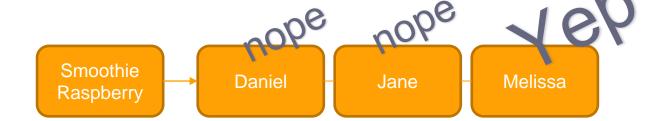












## Another title really catchy, go!

### Input aka Sender

A smoothie

#### People aka recievers

Daniel,

Jane,

Melissa

#### Output

Does the smoothie has been choosen?

Melissa















**Daniel** 

Jane

## Another title really catchy, go!

### Input aka Sender

A smoothie

### People aka recievers

Daniel,

Jane (died),

Melissa

**Daniel** 

#### Output

Does the smoothie has been choosen?

Melissa













Jane

Because she didn't take our smoothie...

Smoothie Raspberry







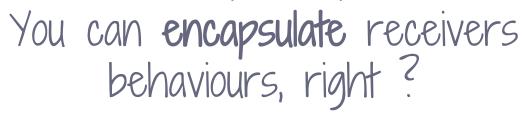














And change it at runtime, isn't it?



























































































Can you show me some code?















```
[TestMethod]
public void Melissa Like Raspberry()
    var smoothie = SmoothieFactory.Get("Raspberry");
    var smoothieLover = new ChainOfSmothieLovers()
        .Of("Daniel")
        .Then("Jane")
        .Then("Melissa") //Melissa like Raspberry
        .GetHead();
    bool hasBeenChoosen = smoothieLover.Recieve(smoothie);
   Assert.IsTrue(hasBeenChoosen);
```

```
internal class SmoothieFactory
    internal static Smoothie Get(string name)
        return new Smoothie(name);
```

```
[TestMethod]
public void Melissa Like Raspberry()
    var smoothie = SmoothieFactory.Get("Raspberry");
    var smoothieLover = new ChainOfSmothieLovers()
        .Of("Daniel")
        .Then("Jane")
        .Then("Melissa") //Melissa like Raspberry
        .GetHead();
    bool hasBeenChoosen = smoothieLover.Recieve(smoothie);
   Assert.IsTrue(hasBeenChoosen);
```





```
internal class SmothieLoversFactory
   Dictionary<string, SmoothieLover> dict = new Dictionary<string, SmoothieLover>();
    public SmothieLoversFactory()
       dict.Add("Melissa", new Melissa());
        dict.Add("Jane", new Jane());
        dict.Add("Daniel", new Daniel());
    internal SmoothieLover Get(string name)
        return dict[name];
```

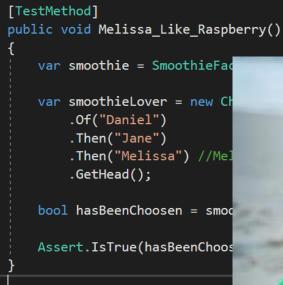


```
public abstract class SmoothieLover
   protected SmoothieLover NextSmothieLover;
    public void SetNextSmothieLover(SmoothieLover next)
            NextSmothieLover = next;
    protected abstract bool Check(Smoothie smoothie);
    protected abstract bool Excute(Smoothie smoothie);
    public virtual bool Recieve(Smoothie smoothie)
        if (Check(smoothie))
            return Excute(smoothie);
        if (NextSmothieLover != null)
            return NextSmothieLover.Recieve(smoothie);
        return false;
```



```
public class Melissa : SmoothieLover
    protected override bool Check(Smoothie smoothie)
       return smoothie.Name == "Raspberry";
    protected override bool Excute(Smoothie smoothie)
        Console.WriteLine($"I'm Melissa and this smoothie is mine : {smoothie.Name}");
        return true;
```







oberry

is mine : Raspberry





















# Open/Close









































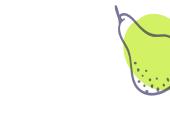
































## Chain in a chain in a chain....

SmoothIA Data

> Chain Of SmoothieLover

ChainOf **Notifications** Push app



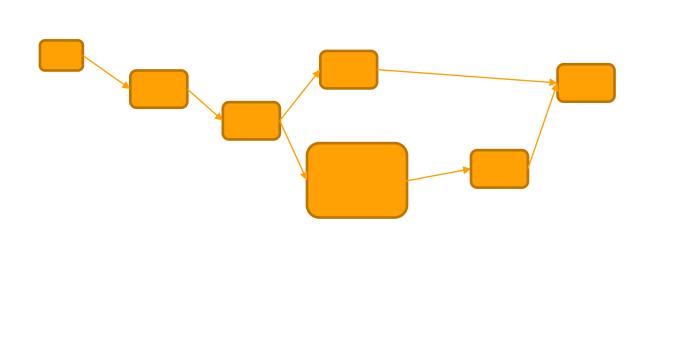




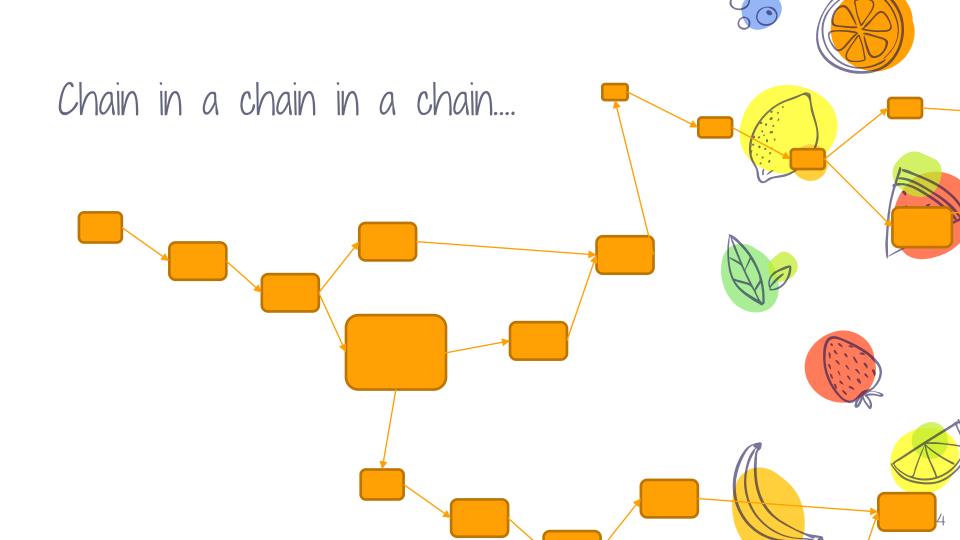


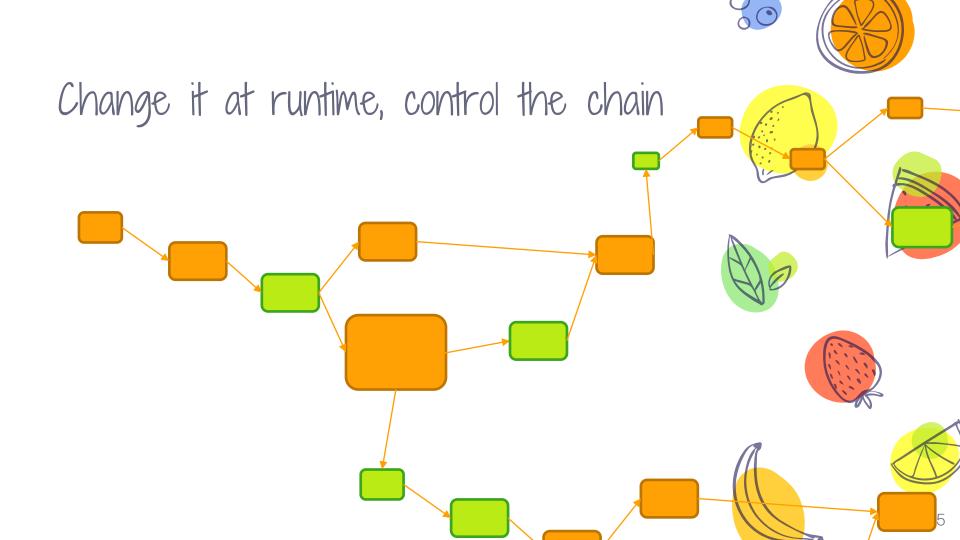


## Chain in a chain in a chain....























































## Find your smoothie.



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## Credits

Special thanks to all the people who made smoothIA:

- Presentation template by <u>SlidesCarnival</u>
- Photographs by <u>Unsplash</u>













My best smoothie:

https://www.750g.com/smoothie-aux-framboises-r52312.htm

Boring but not so bad:

http://codenuclear.com/chain-of-responsibility-design-pattern-in-

Response to the main title:

https://www.wikihow.com/Make-a-Smoothie

















## How to make Smoothie!















