


XAML

```
<Window>

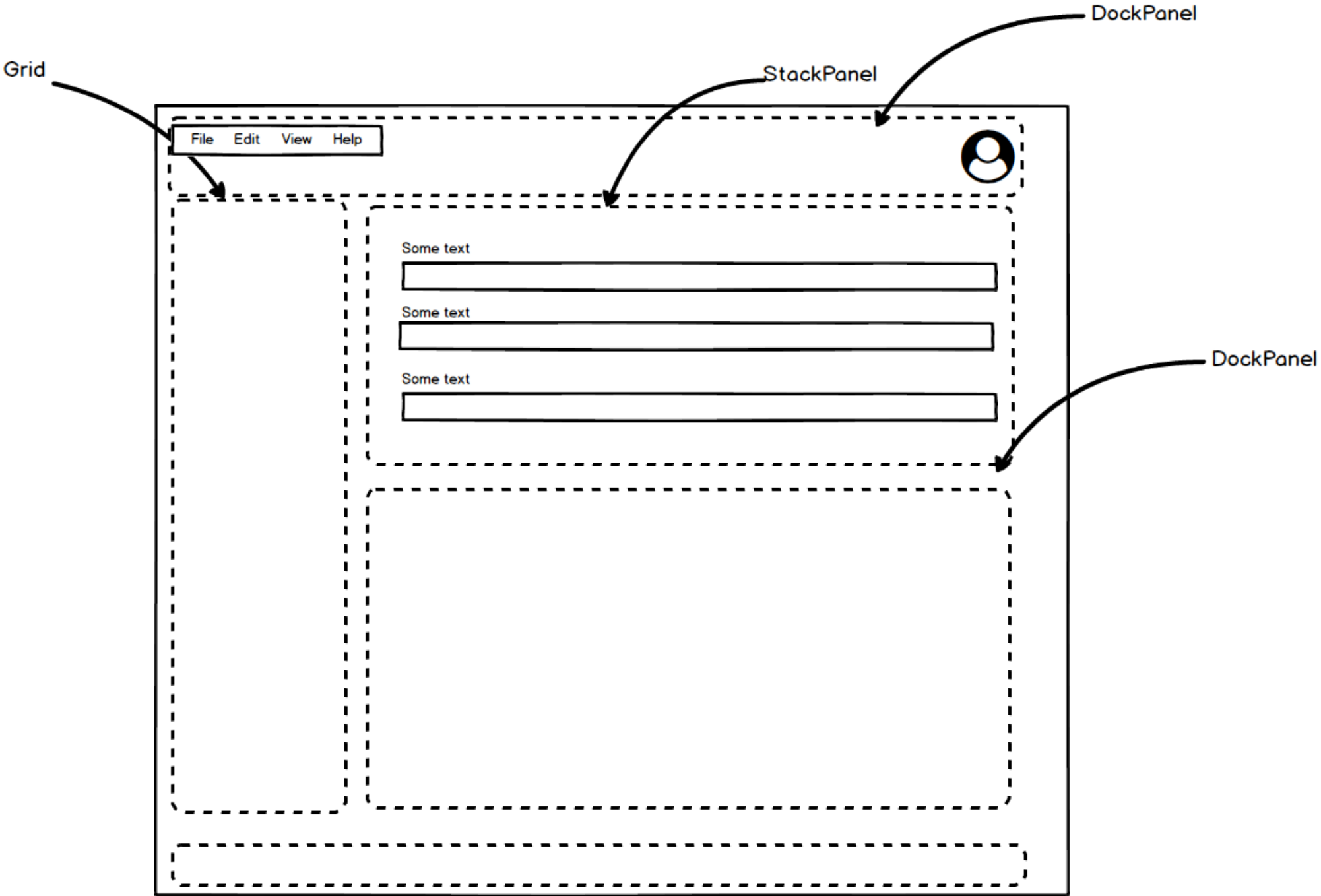
  <Grid>
    <Button Title="Hello" />
  </Grid>

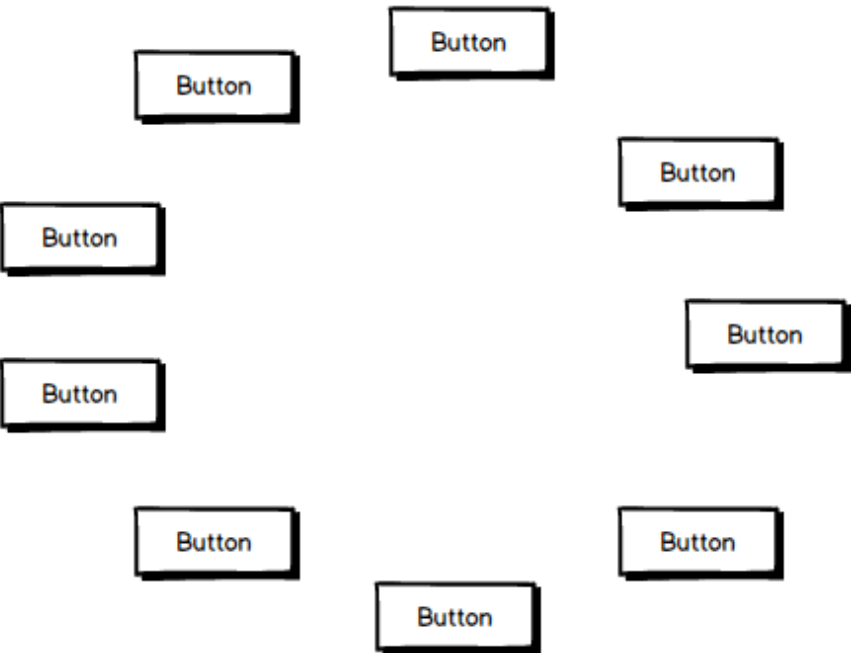
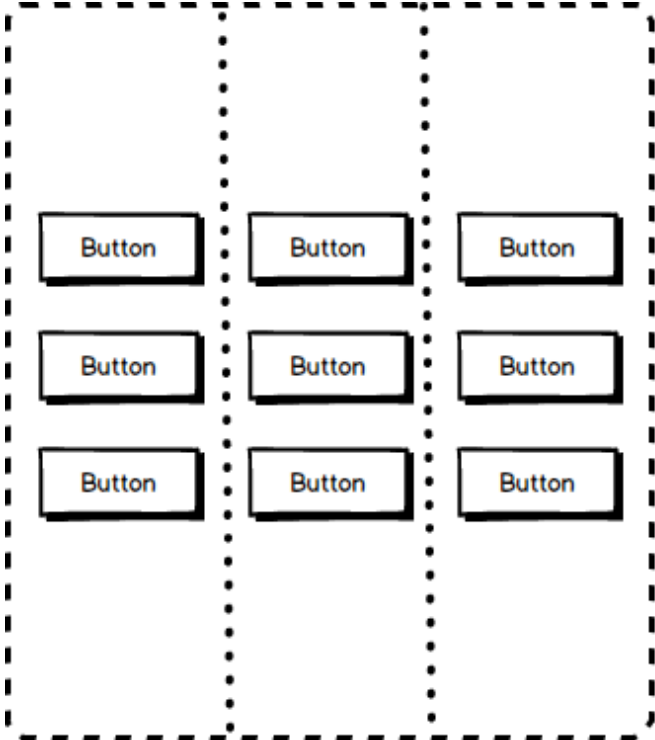
</Window>
```

```
Window window1 = new Windows() { Title = "Hello Title" };
Grid grid1 = new Grid();
grid1.Children.Add(new Button());
grid1.Children.Add(new Button());
grid1.Children.Add(new Button());
window1.Children.Add(grid1);
```

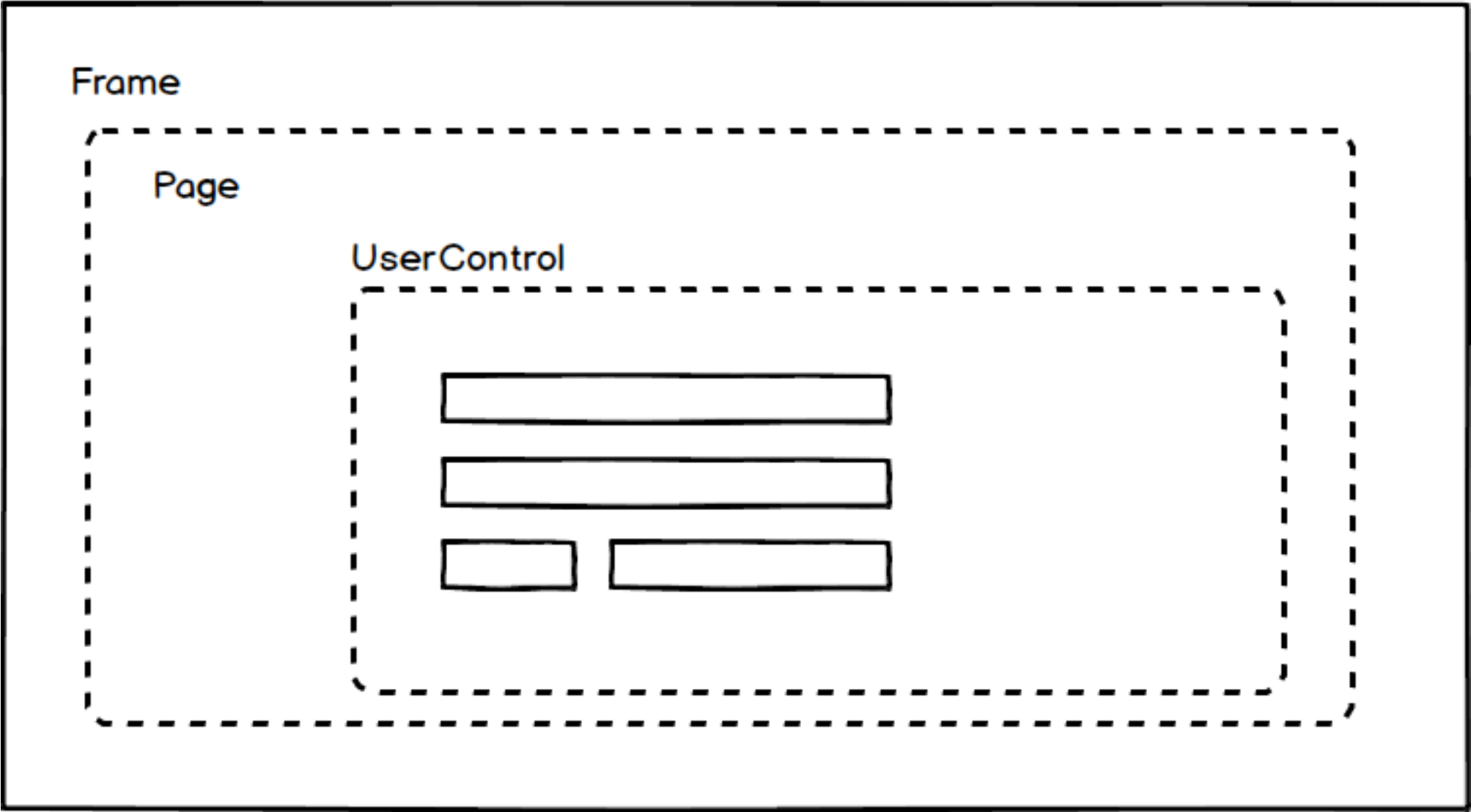
$$XAML = XML + \{ \}$$


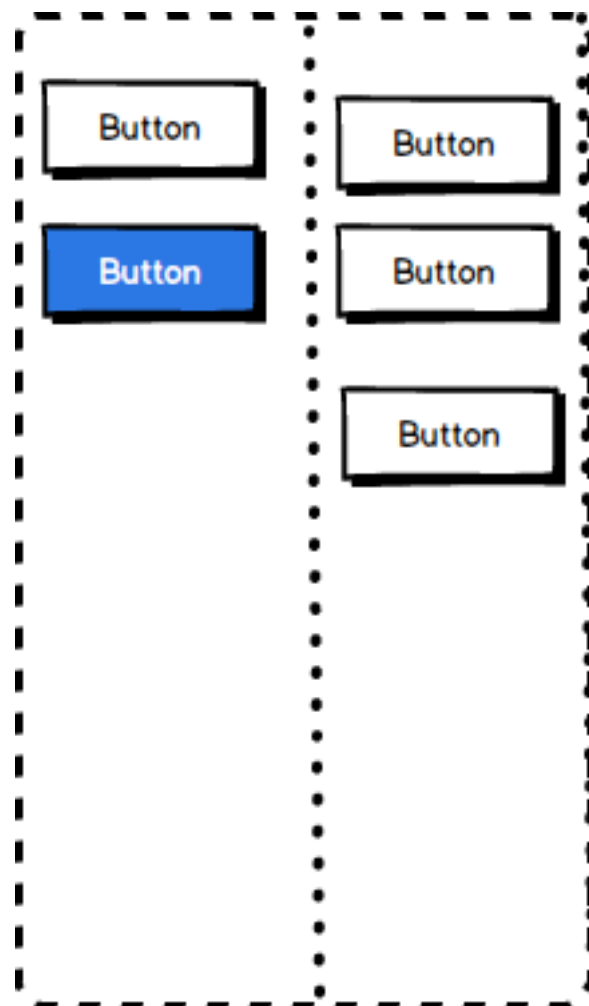
markup markup extensions



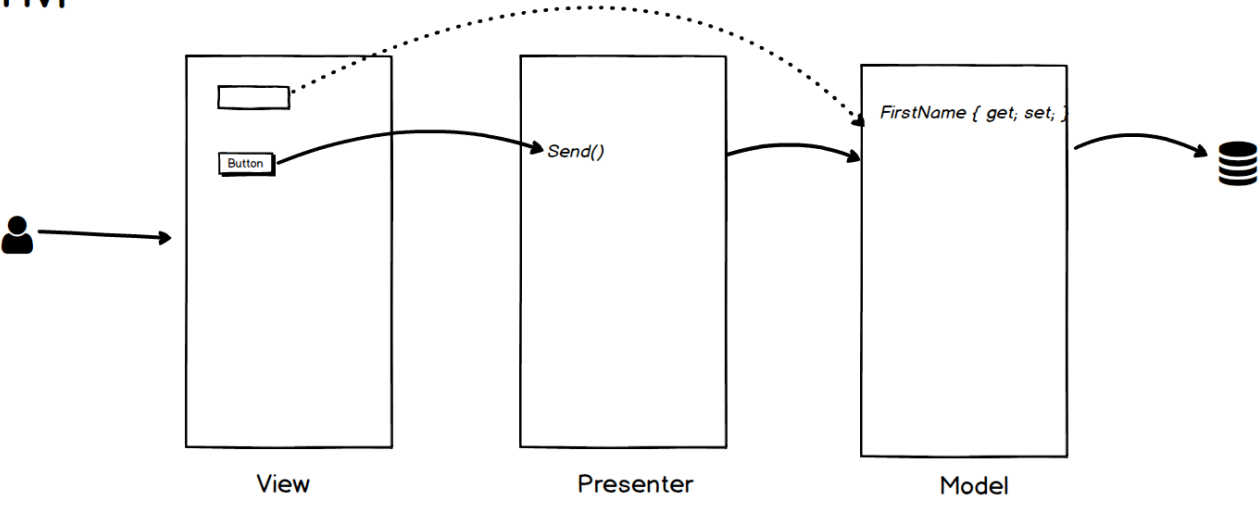


Window

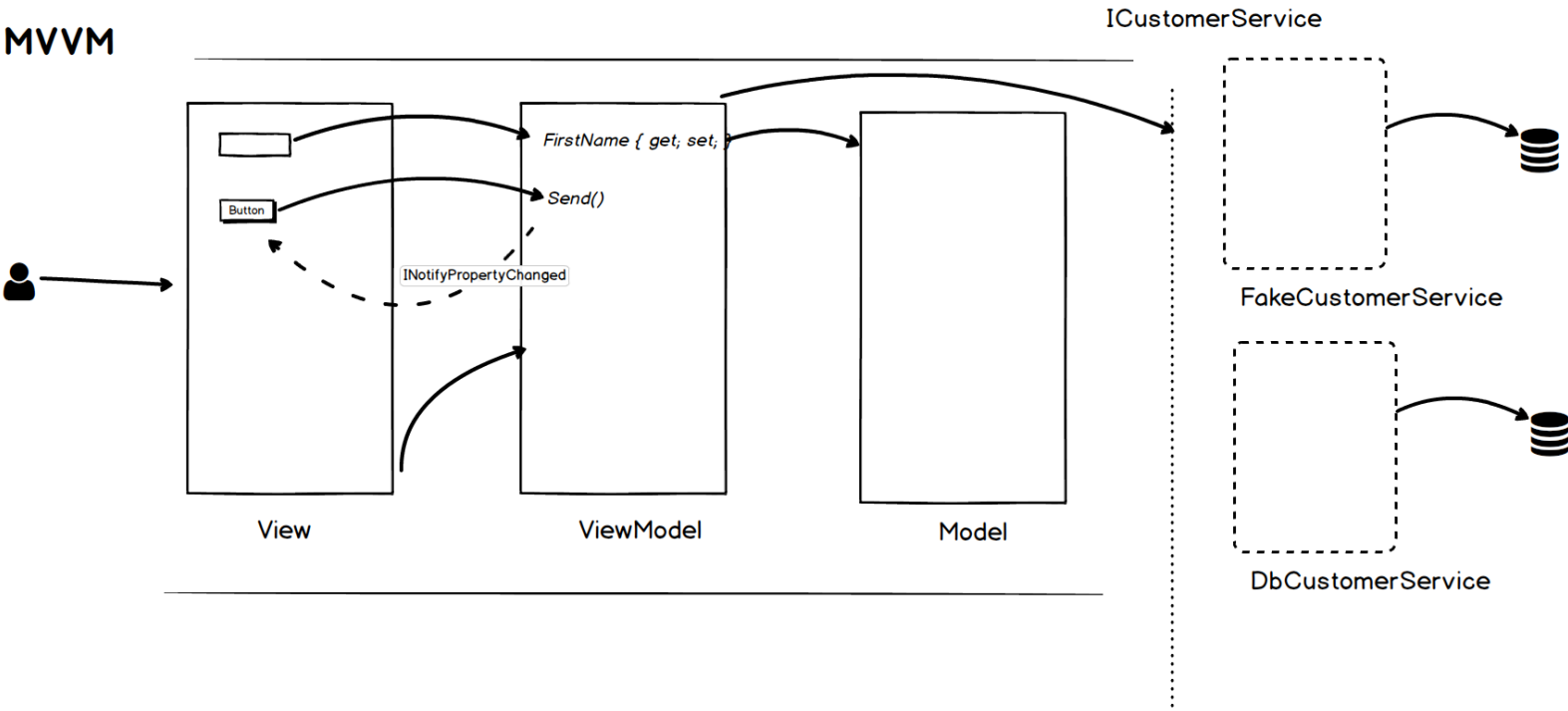




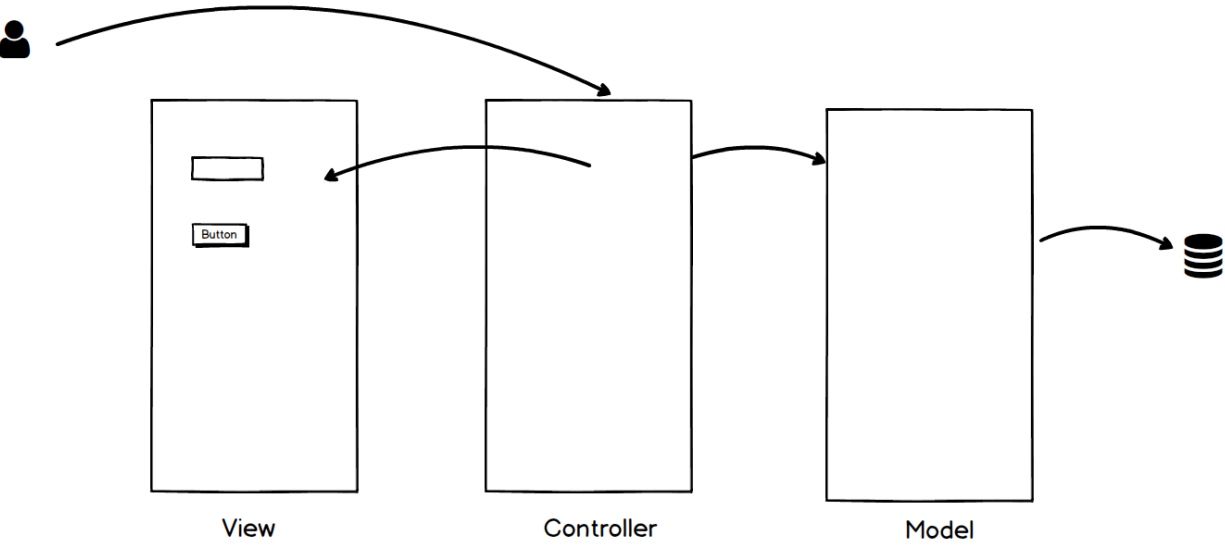
MVP



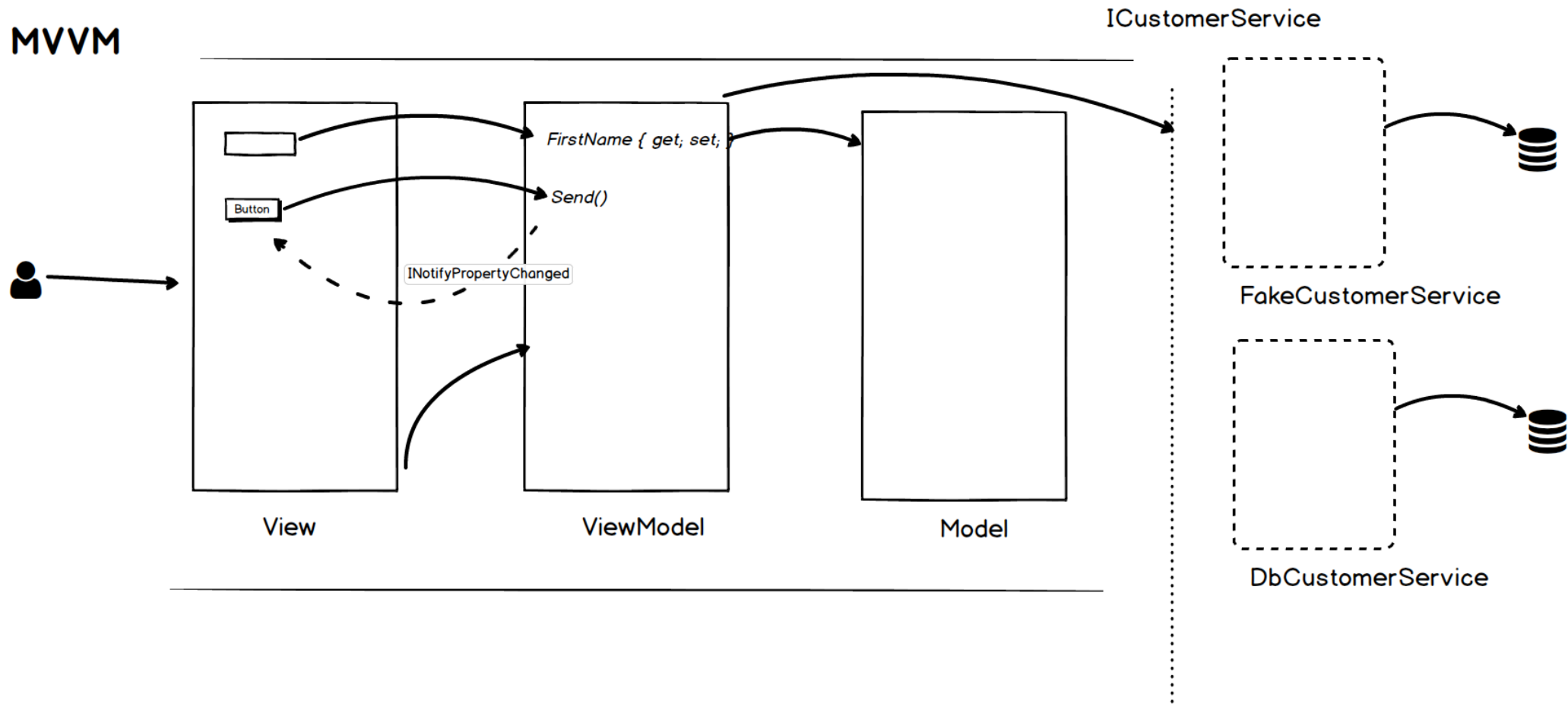
MVVM



MVC



MVVM



```
interface ICommand
```

```
    void Execute(object parameter)
```

```
    bool CanExecute(object parameter)
```

```
class SendCommand
```

```
    Execute() { }
```


Window Name

FirstName
Marcin

LastName

Blue

Save

Customer

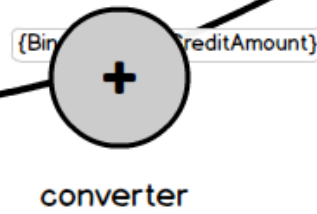
FirstName

LastName

CreditAmount

Lat

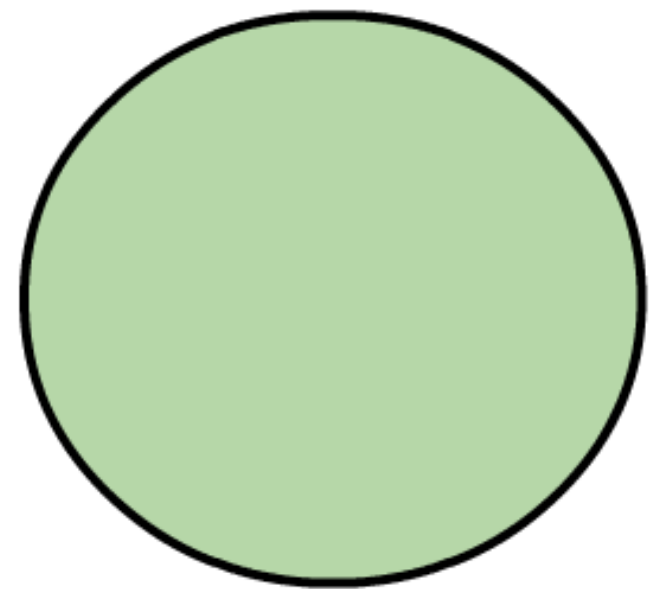
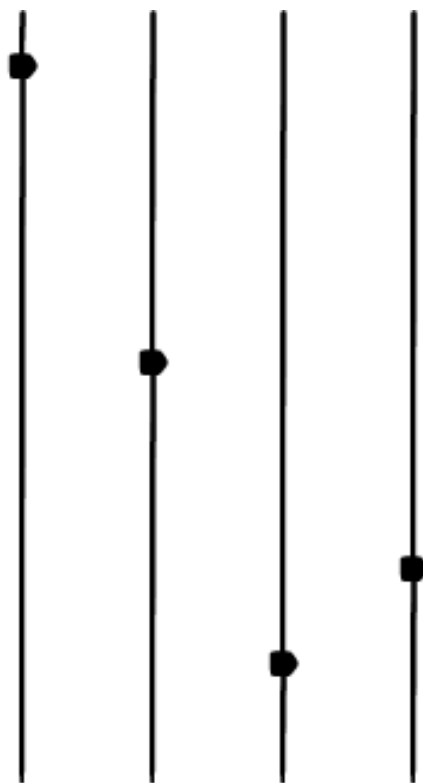
Lng



INotifyPropertyChanged.PropertyChanged("FirstName")

customer.FirstName = "John";

TextBox1.Text = customer.FirstName;



<Ellipse Fill = {Binding Color} />

Window Name

FirstName

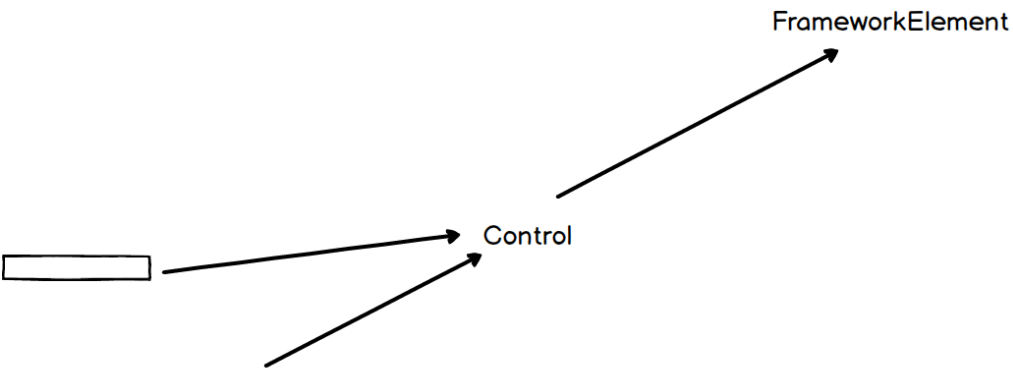
Marcin

LastName

Save

52.43 21.03

Send

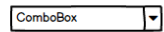
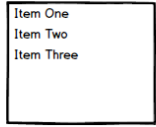
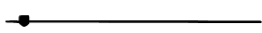


ContentControl
.Content

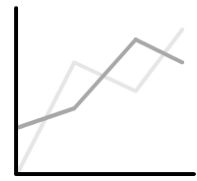
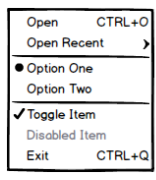
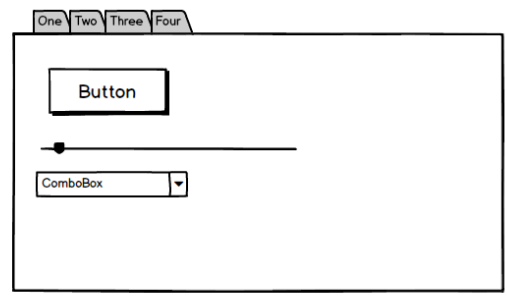
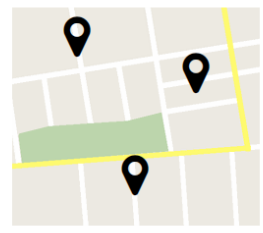
ItemsControl
.ItemsSource
.ItemTemplate

Panel (LayoutControl)

Label



Name (job title)	Age	Nickname	Employee
Giacomo Gulizzoni Founder & CEO	40	Peldi	<input type="radio"/>
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah Maclochlan Better Half	41	Potata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>



Customers

Orders

Name (job title) ▲	Age ▼	Nickname	Employee ▼
Giacomo Guilizzoni Founder & CEO	40	Peldi	☉
Marco Botton Tuttofare	38		☑
Mariah MacLachlan Better Half	41	Patata	☐
Valerie Liberty Head Chef	:)	Val	☑
Data Grid Docs			☐

Some text

Some text

Some text

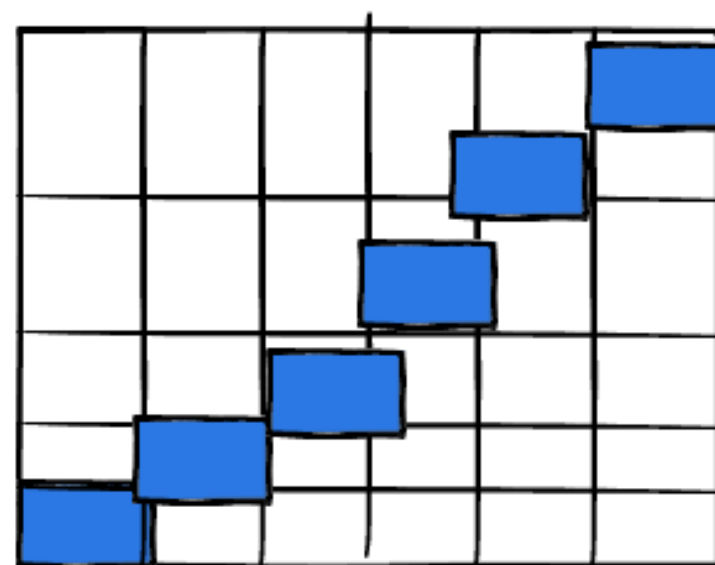
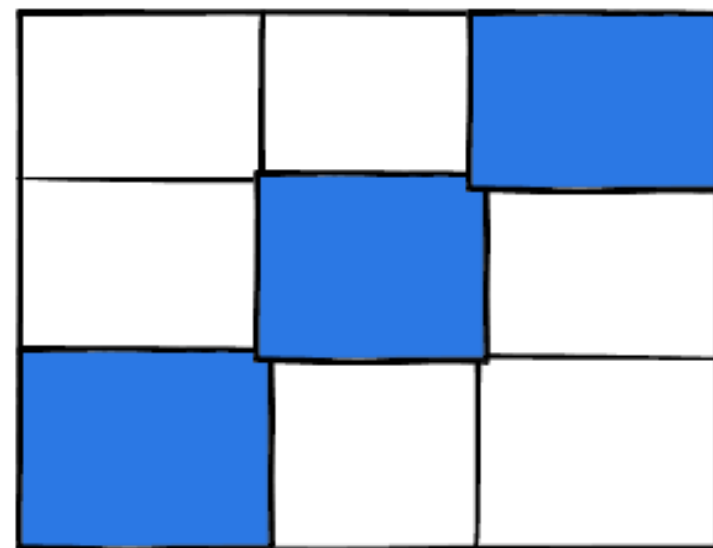
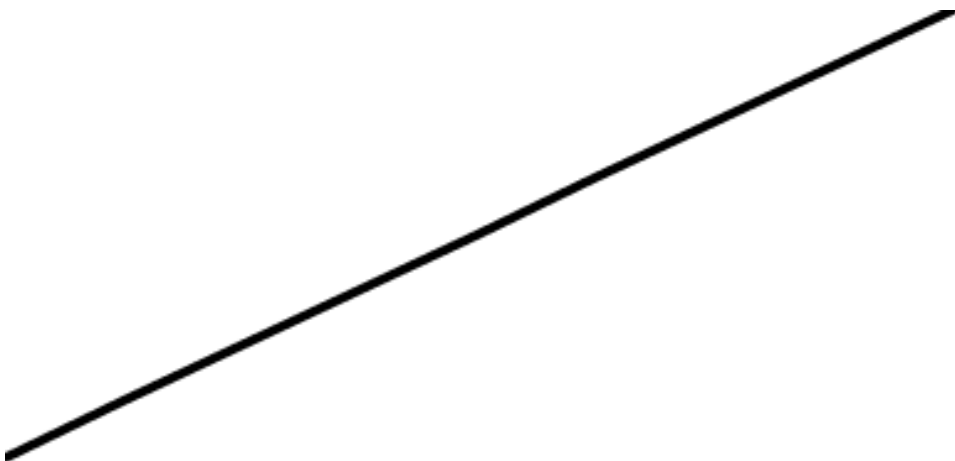


database



memory





Customers

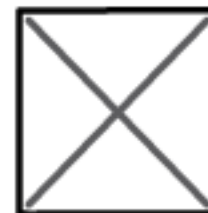
Orders

Name (job title) ▲	Age ◆	Nickname	Employee ▼
Giacomo Guilizzoni Founder & CEO	40	Peldi	<input type="radio"/>
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah MacLachlan Better Half	41	Patata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
Data Grid Docs			<input type="checkbox"/>

Some text

Some text

Some text



Window Name

Name (job title)	Age	Nickname	Employee
Giacomo Guilizzoni Founder & CEO	40	Peldi	☉
Marco Botton Tuttofare	38		☑
	41	Patata	☐

Window Name

SqlDependency

SQL Server

Window Name

Name (job title)	Age	Nickname	Employee
Giacomo Guilizzoni Founder & CEO	40	Peldi	☉
Marco Botton Tuttofare	38		☑
	41	Patata	☐

Window Name

WebSocket

SqlDependency

SQL Server

SignalR (websocket)

A Web Page

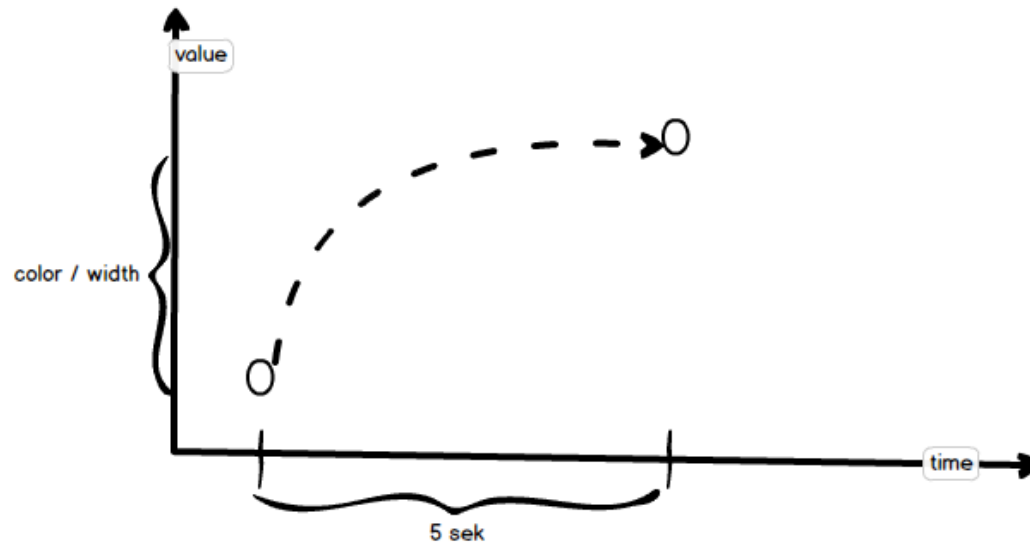
⬅ ➡ ✕ 🏠

http://

🔍

Name (job title)	Age	Nickname	Employee
Giacomo Guilizzoni Founder & CEO	40	Peldi	☉
Marco Botton Tuttofare	38		☑
Mariah MacLachlan Better Half	41	Patata	☐
	;) Val		☑

<https://docs.microsoft.com/pl-pl/dotnet/framework/data/adonet/sql/detecting-changes-with-sqldependency>



{type}Animation

DoubleAnimation From To

ColorAnimation