

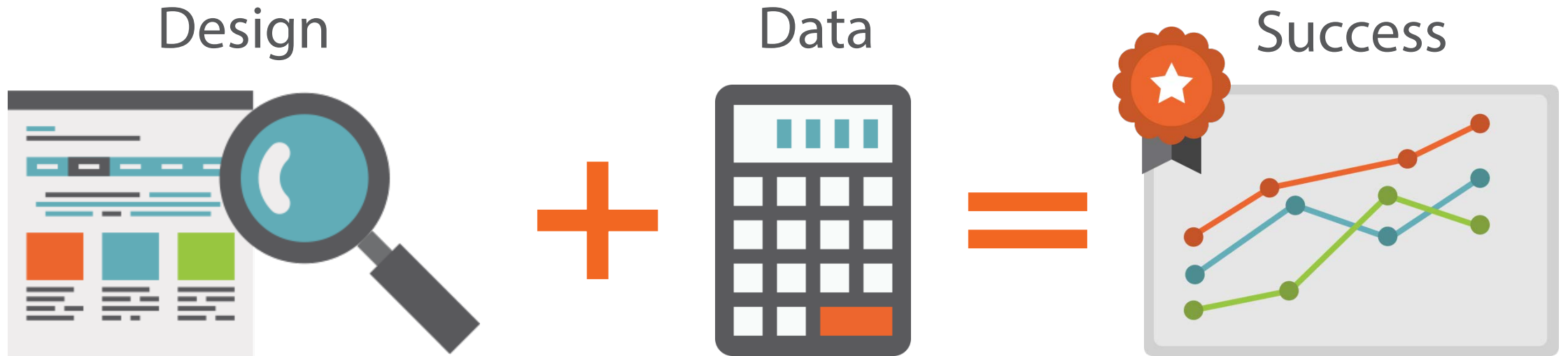
Enabling Theme Support with a Custom View Engine



Alex Wolf

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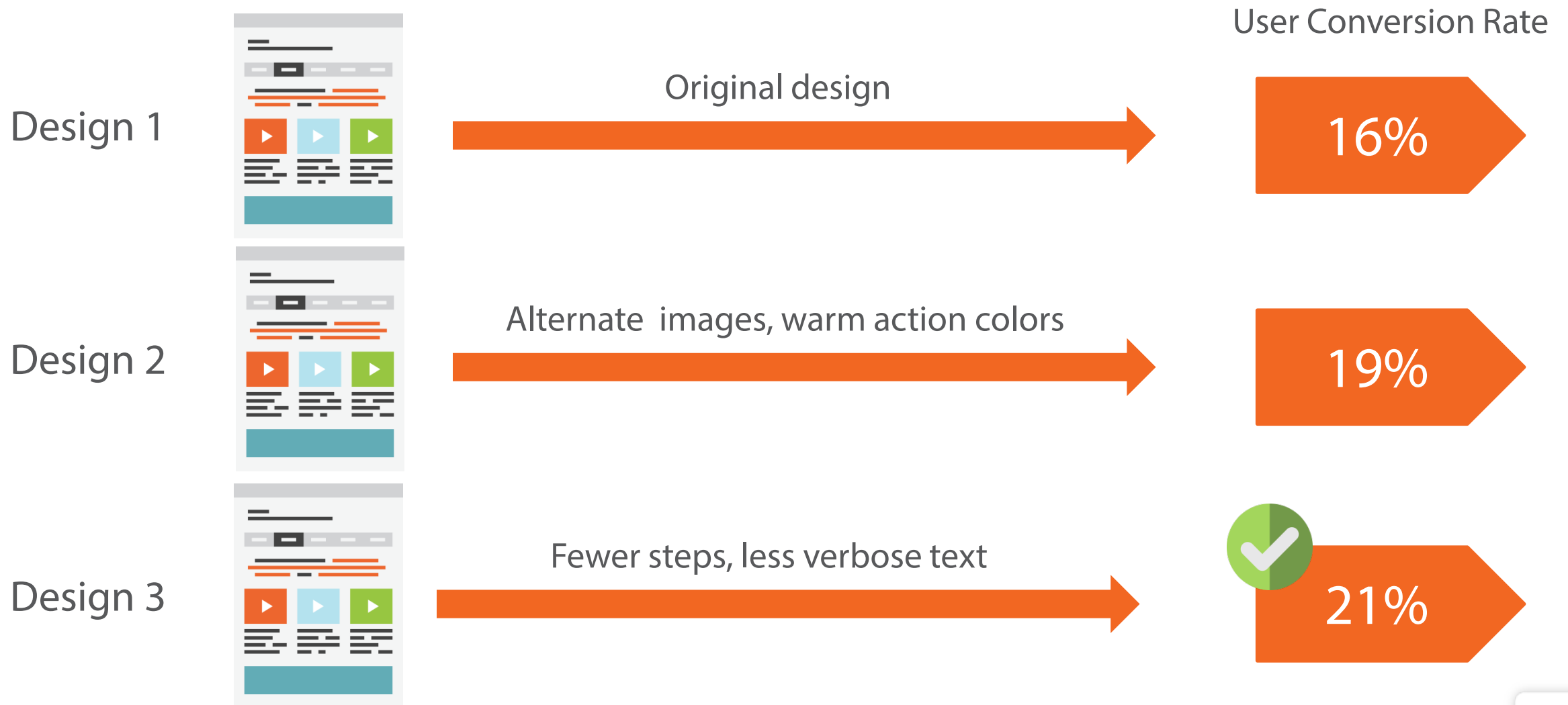
Designing for Success



Conversion Optimization

Change Design – Change User Behavior

Optimizing the Design of an Application



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Last Name

Phone

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Additional Info

Marital Status

Single



License Status

Valid



License Status

Less than 1



Highest Education

High School Graduate



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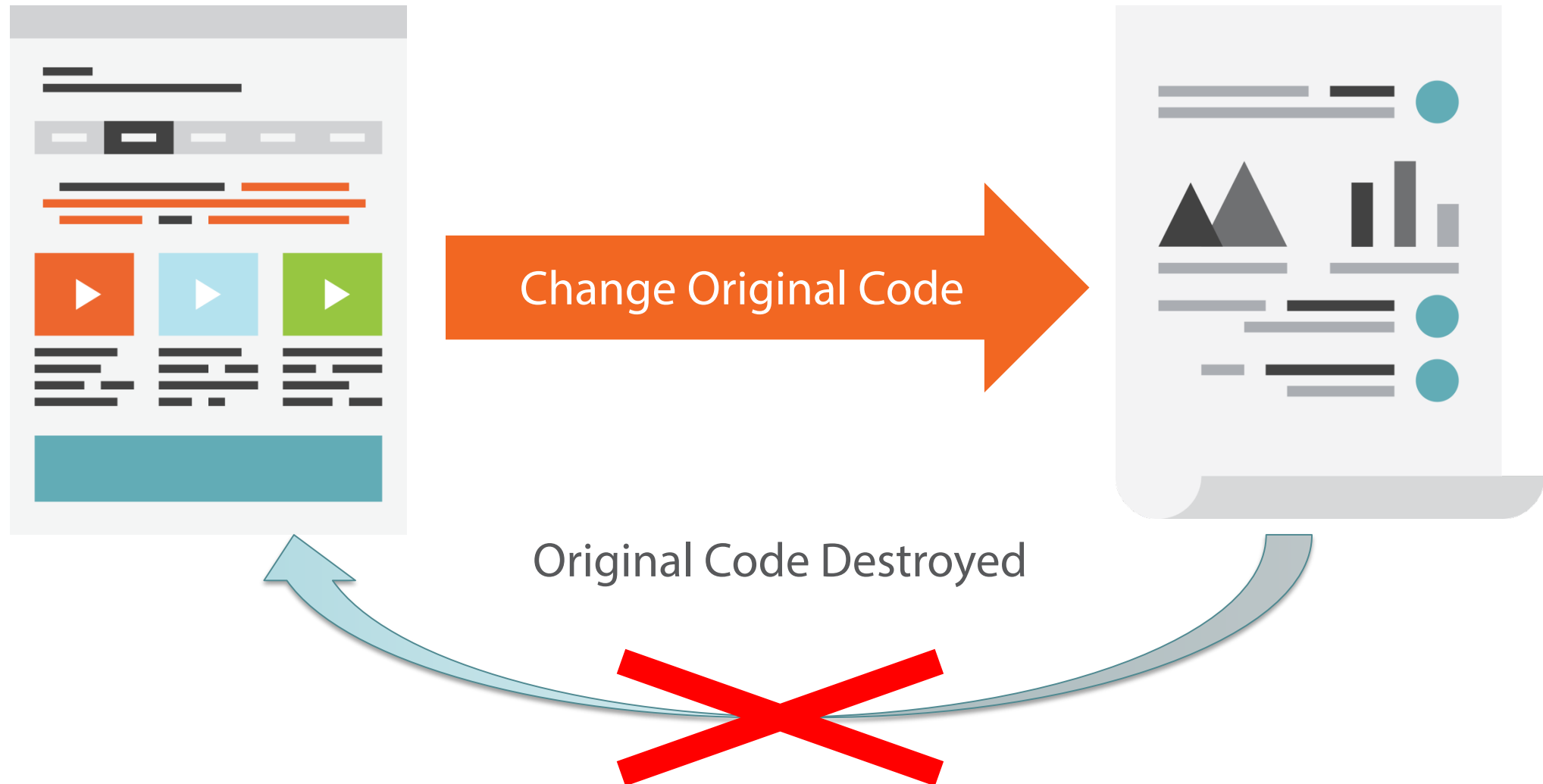
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High School Graduate

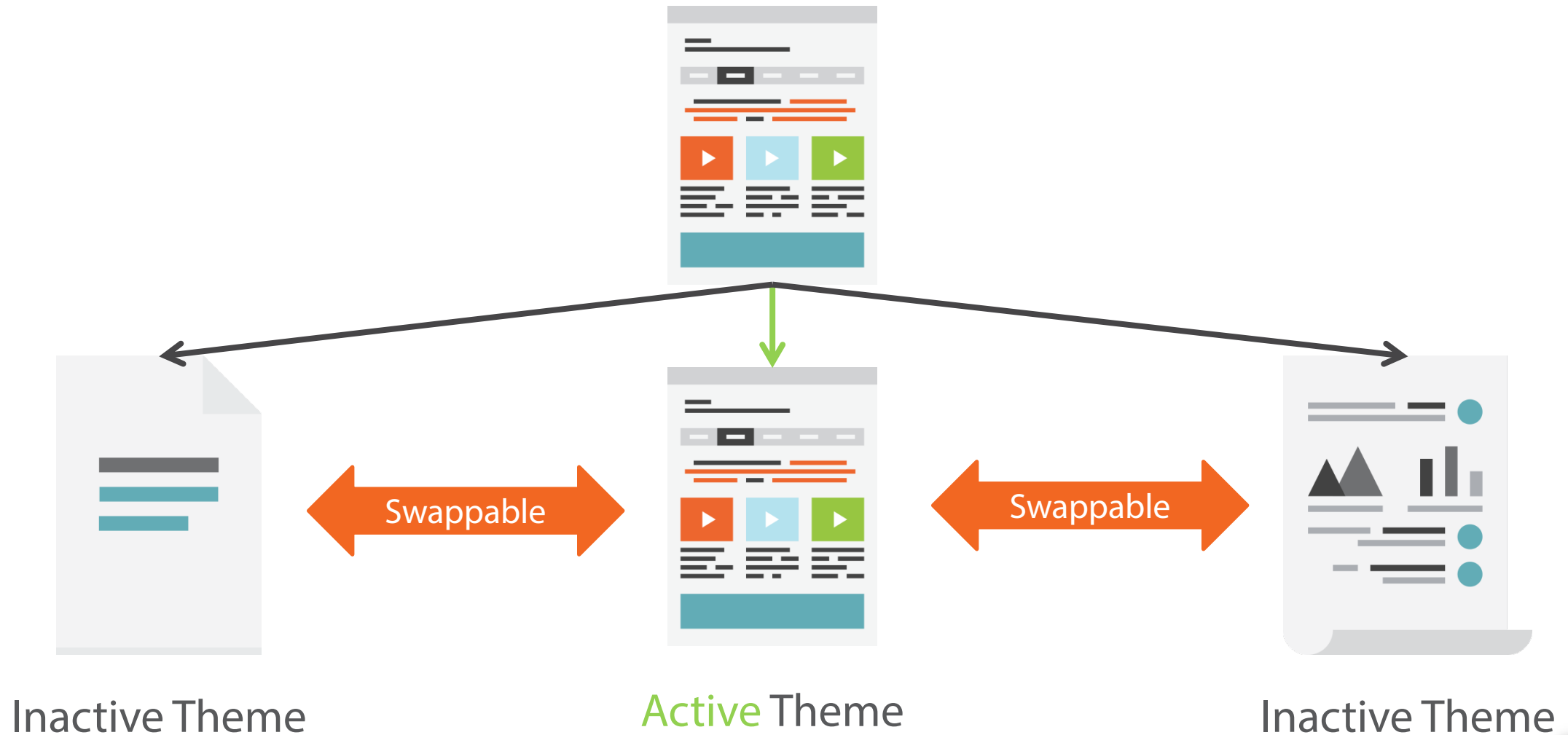


Let's go!

Design Change Challenges



Managing Design Changes with Themes



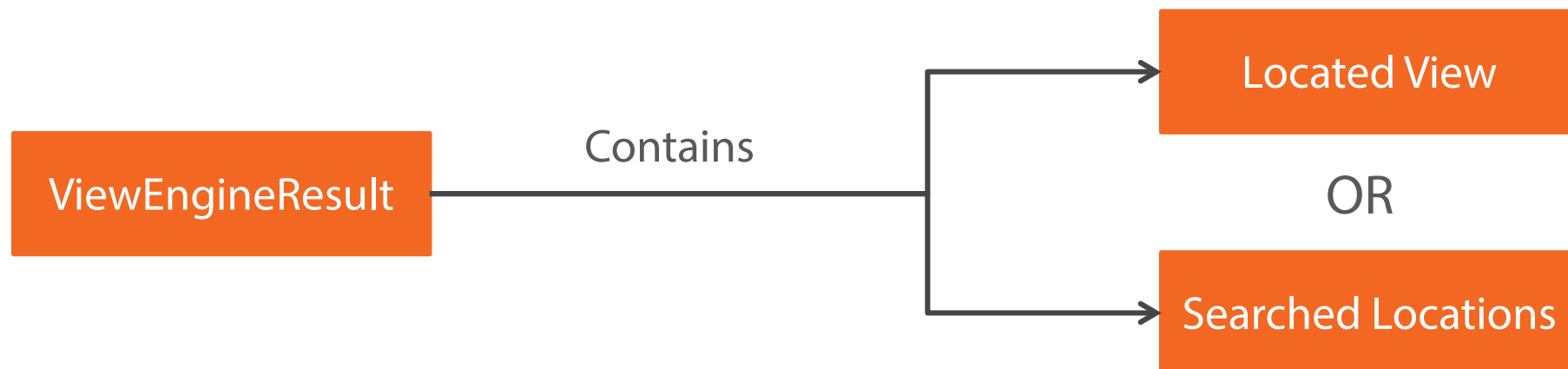
Our Theme Requirements



Understanding View Engines

The **IViewEngine** Interface

```
public interface IViewEngine()  
{  
    ViewEngineResult FindView(ControllerContext controllerContext, string viewName,  
        string masterName, bool useCache);  
  
    ViewEngineResult FindPartialView(ControllerContext controllerContext, string  
        partialViewName, bool useCache);  
  
    void ReleaseView(ControllerContext controllerContext, IView view);  
}
```

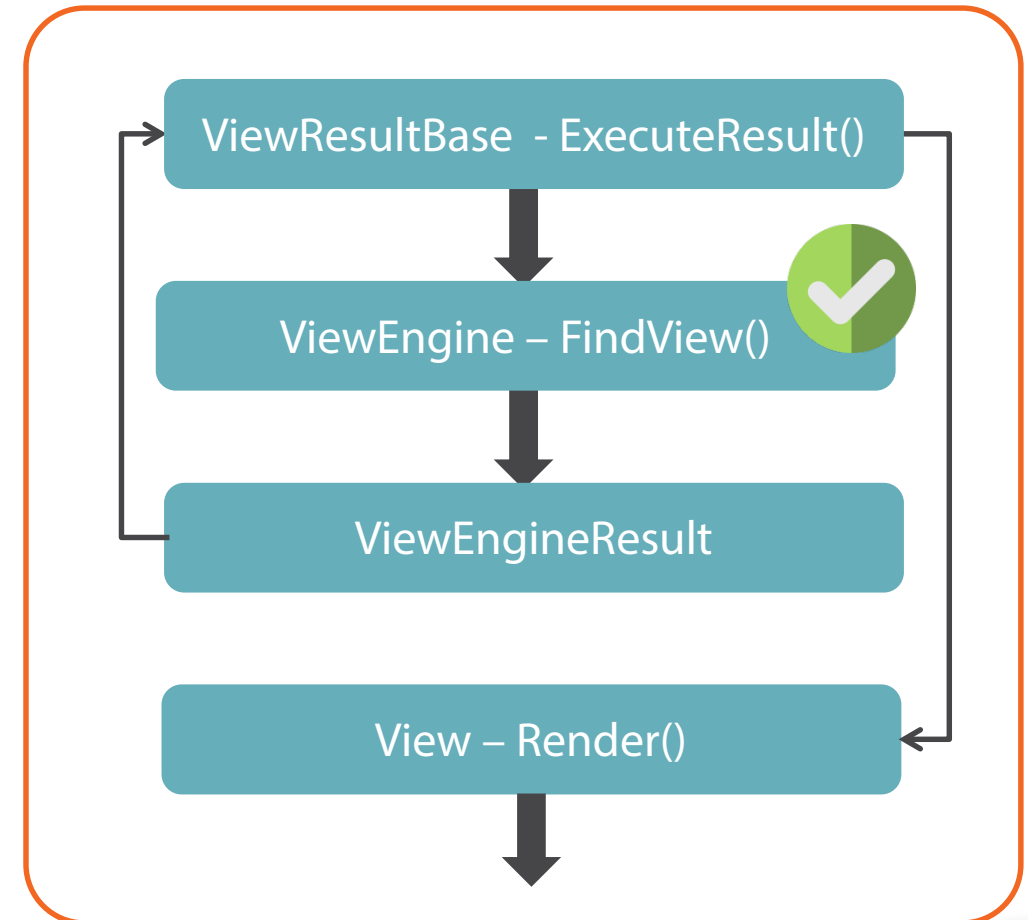


The **View Result** Execution Process

```
public ActionResult Index()  
{  
    return View();  
}
```

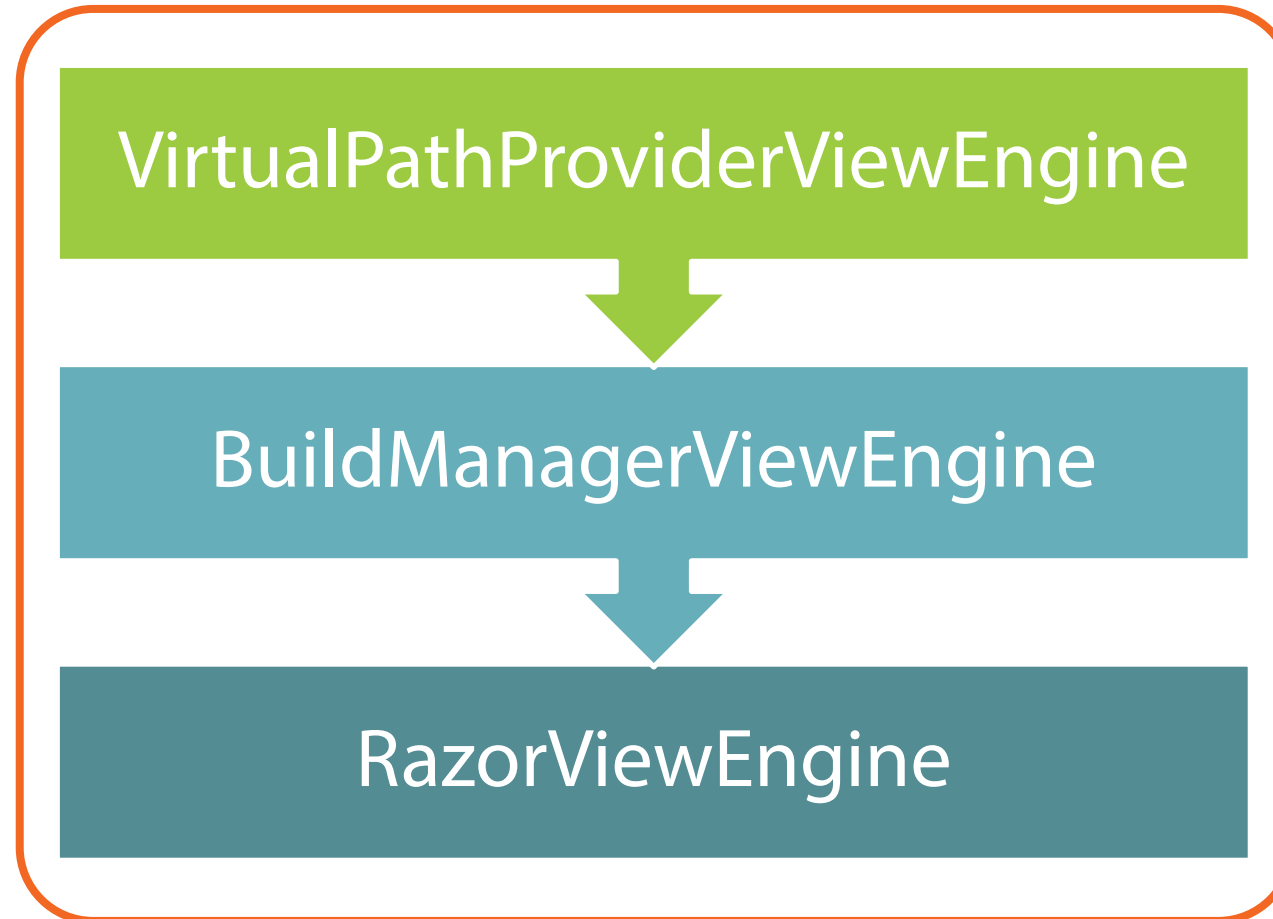
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View Result Execution



Understanding the Razor View Engine

Razor View Engine (for our purposes)



Locating Views with the Razor Engine

Default Razor Search Locations

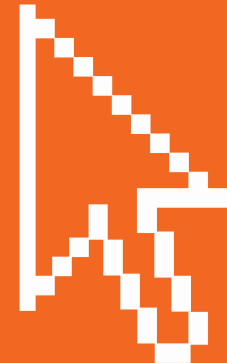
~/Views/{1}/{0}.cshtml
~/Views/Shared/{0}.cshtml

~/Areas/{2}/Views/{1}/{0}.cshtml
~/Areas/{2}/Views/Shared/{0}.cshtml

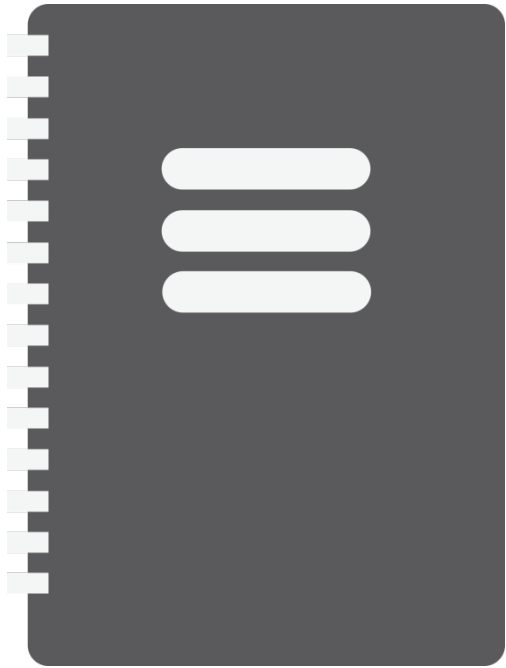
0 = Action Name
1 = Controller Name
2 = Area Name

Demo

Building a Custom Action Result



Summary



- Themes provide a way to manage different design templates
- You can implement themes using a custom View Engine
- You can change where and how Razor selects a template file by modifying the View Engine's search locations