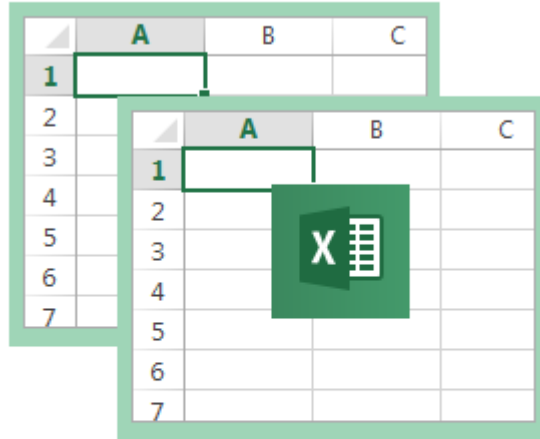


# Getting a helping hand from the Telerik Kendo UI and Reports.

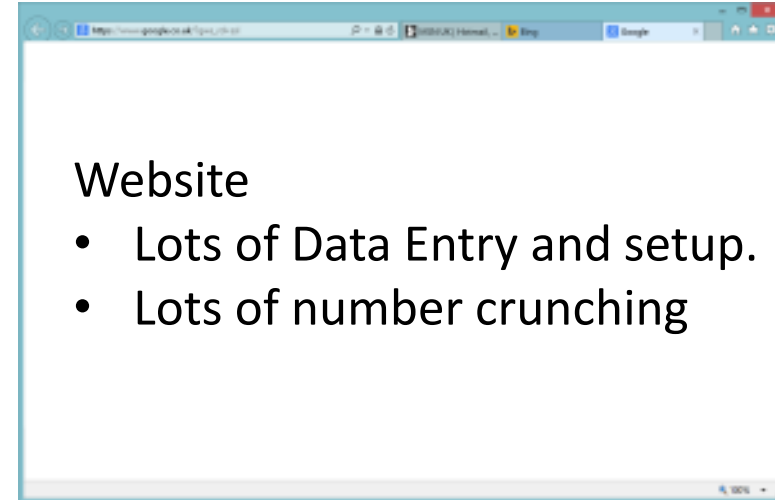
Steven Chalmers

[blog.codebeastie.com](http://blog.codebeastie.com)

# The task



Using Excel documents with forms



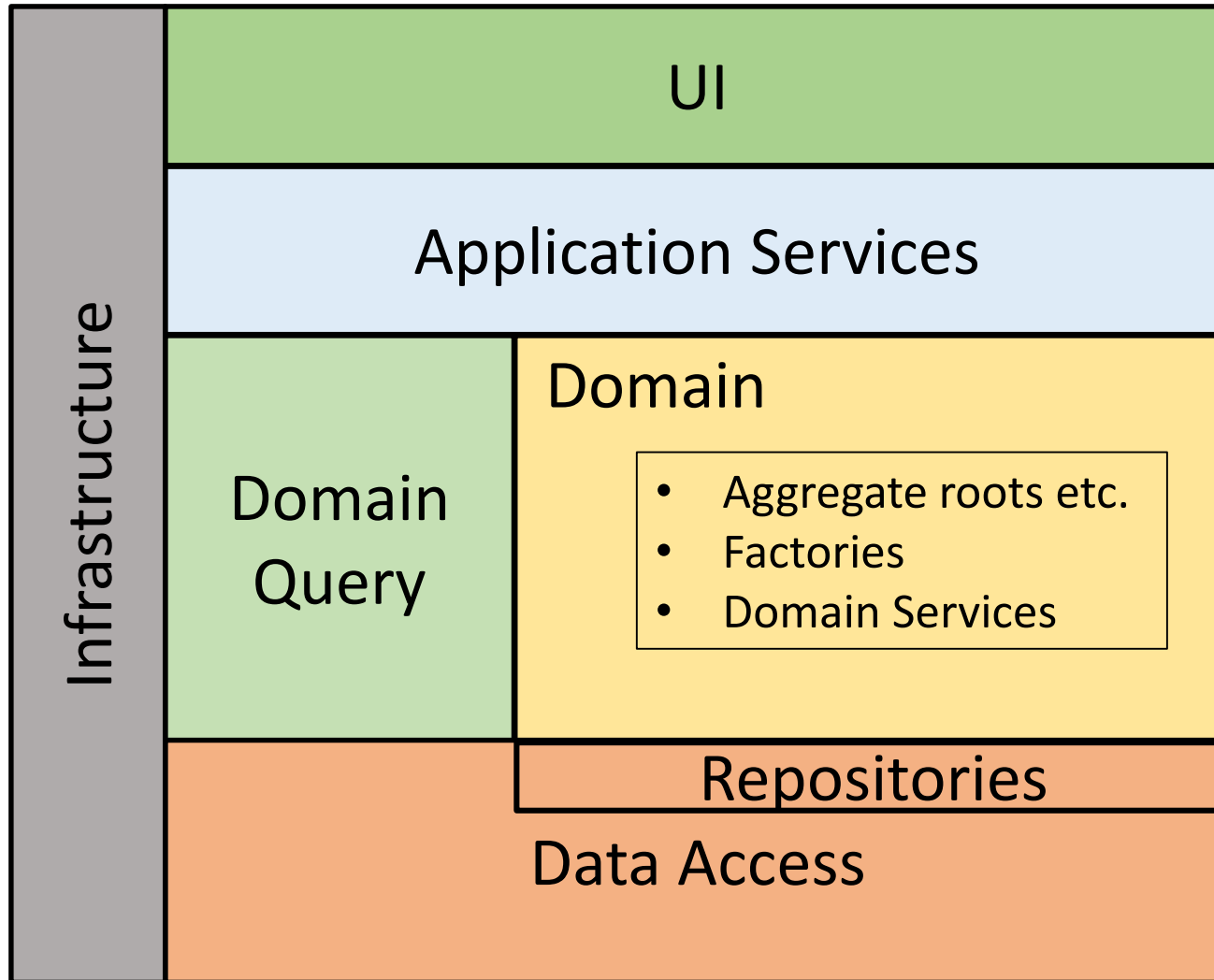
Reports



Excel

# Technology

- Visual Studio 2013
- Hosted on Azure
- Target latest browsers



Latest Browsers – HTML5,  
JavaScript, JQuery

?? Data Entry, Reports ??

ASP .NET MVC 5  
Hosted on Azure

Entity Framework – Code First  
Azure Database

# What to choose?

- jQuery UI
- Various random finds
- Telerik, DevExpress, Infragistics , ComponentOne

# Telerik Overview

- **DevCraft** - Comes with all the UI and DotNet tools for web, mobile and desktop development.
- **Telerik Platform** - For cross platform mobile development.

# Main features in DevCraft

- Web
  - Web UI
- Mobile
  - Mobile UI
- Desktop
  - Forms/WPF UI
- Reporting
  - Desktop/Web
- Data Access
  - Data layer
- Tools
  - General dev tools

# Web

HTML5/JS Framework

Kendo UI

Web Helpers:

- UI for ASP.NET MVC
- UI for ASP.NET AJAX
- UI for PHP
- UI for JSP
- UI for Silverlight



# Mobile

- UI for PhoneGap
- UI for iOS
- UI for Android
- UI for Windows Universal
- UI for Windows Phone
- UI for Xamarin

# Tools

- JustCode
- JustMock
- Testing Framework
- Fiddler
- JustDecompile
- JustTrace

# Kendo UI

Set of jQuery based UI controls and frameworks to be used in a HTML5/Javascript environment.



Application Framework



Web UI



Mobile UI



Data Visualisation

# Kendo - Web UI

AutoComplete

Button

Calendar

ColorPicker

ComboBox

DatePicker

DateTimePicker

DropDownList

Editor

**Grid**

ListView

MaskedTextBox

Menu

MultiSelect

Notification

NumericTextBox

PanelBar

PivotGrid

ProgressBar

Scheduler

Slider

Sortable

Splitter

TabStrip

TimePicker

ToolBar

Tooltip

TreeView

Upload

Window

# Kendo – Mobile UI

ActionSheet

ButtonGroup

Drawer

Forms

ListView

MobileButton

ModalView

NavBar

Popover

Scroller

ScrollView

SplitView

Switch

TabStrip

# Kendo – Data Visualisation

Area Charts

Bar Charts

Barcode

Box Plot

Charts Bubble

Charts Bullet

Charts Chart

API Diagram

Donut Charts

Funnel Charts

Gantt

Line Charts

Linear Gauge

Map

Pie Charts

Polar Charts

QR code

Radar Charts

Radial Gauge

Range Bar

Charts Scatter

Charts

Sparklines

Stock Chart

TreeMap

Waterfall Charts

# Kendo - Application Framework

1. DataSource
2. Single Page Application (SPA)
3. Globalization
4. Templates
5. MVVM
6. Validators
7. Effects
8. Drag-And-Drop
9. AngularJS Integration
10. Bootstrap Friendly

# Code time...

- Visual Studio 2013 default MVC 5 web project
- Added references for Telerik's

Kendo UI Professional

UI for ASP.NET MVC

\* Could code using Kendo UI on client side only. Server side MVC is optional.



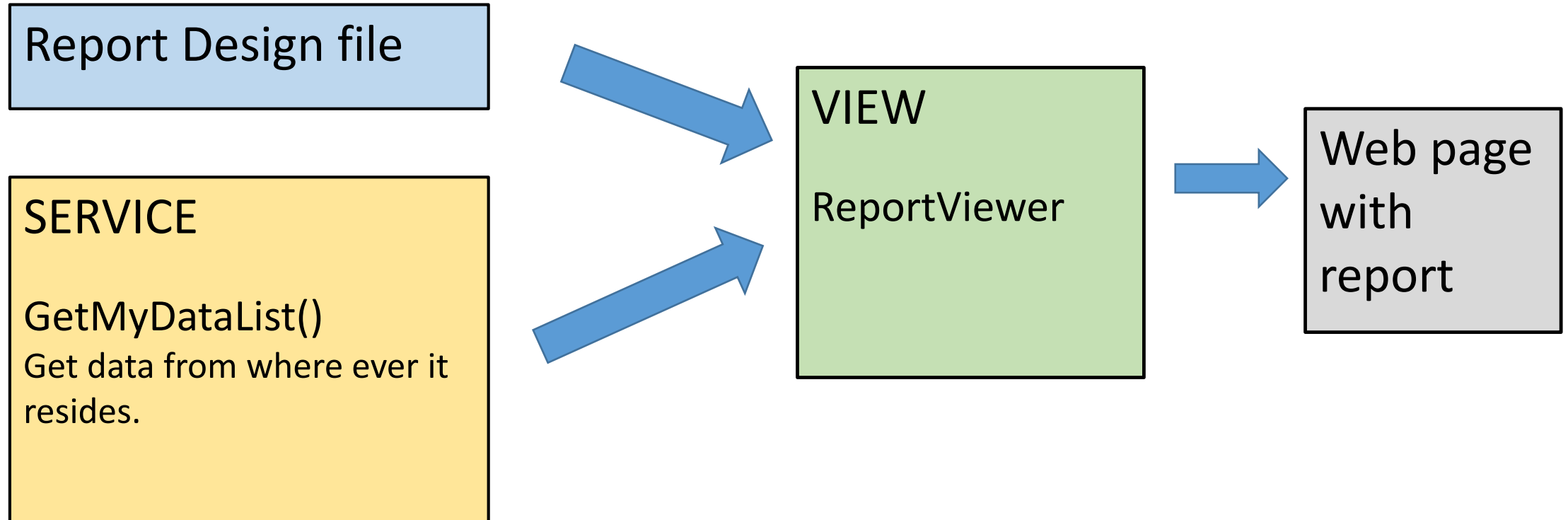
# DataSource

- Server
- Custom
- Ajax
- WebApi
- SignalR

# Telerik Reports

- Nice designer with all the usual features
- Visual Studio plug in or Standalone designer. Standalone designer will allow you to offload work to non visual studio people
- Different data access options. Can share classes between reports and website pages
- Integrates easy in to the ASP.NET MVC environment for hassle free deployment. No separate installs.

# Report Data



# Overall



- If you familiar with JavaScript, jQuery, MVC then easy to get going.
- Documentation is good.
- Sample code is just short of giving you what you want. However there are more detailed examples on their Github.
- Telerik forums/Stack overflow has all the answers but have to be careful as lots of old out of date information.
- They give all the source code.
- Support has been great the times I used it.
- Costs around £880 per developer/year.