TDD on the Client

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Stumbling Blocks to TDD on the Client

User Interaction

Framework “Magic”

Appearance

How Client AngularJS Reduces the Risk

Two-Way Data Binding

Manipulates DOM for you

Built in Dependency Injection

Integrated Mocks

Built with testing in mind

ANGULARJS
by Google

Not Just Angular

Model View Whatever

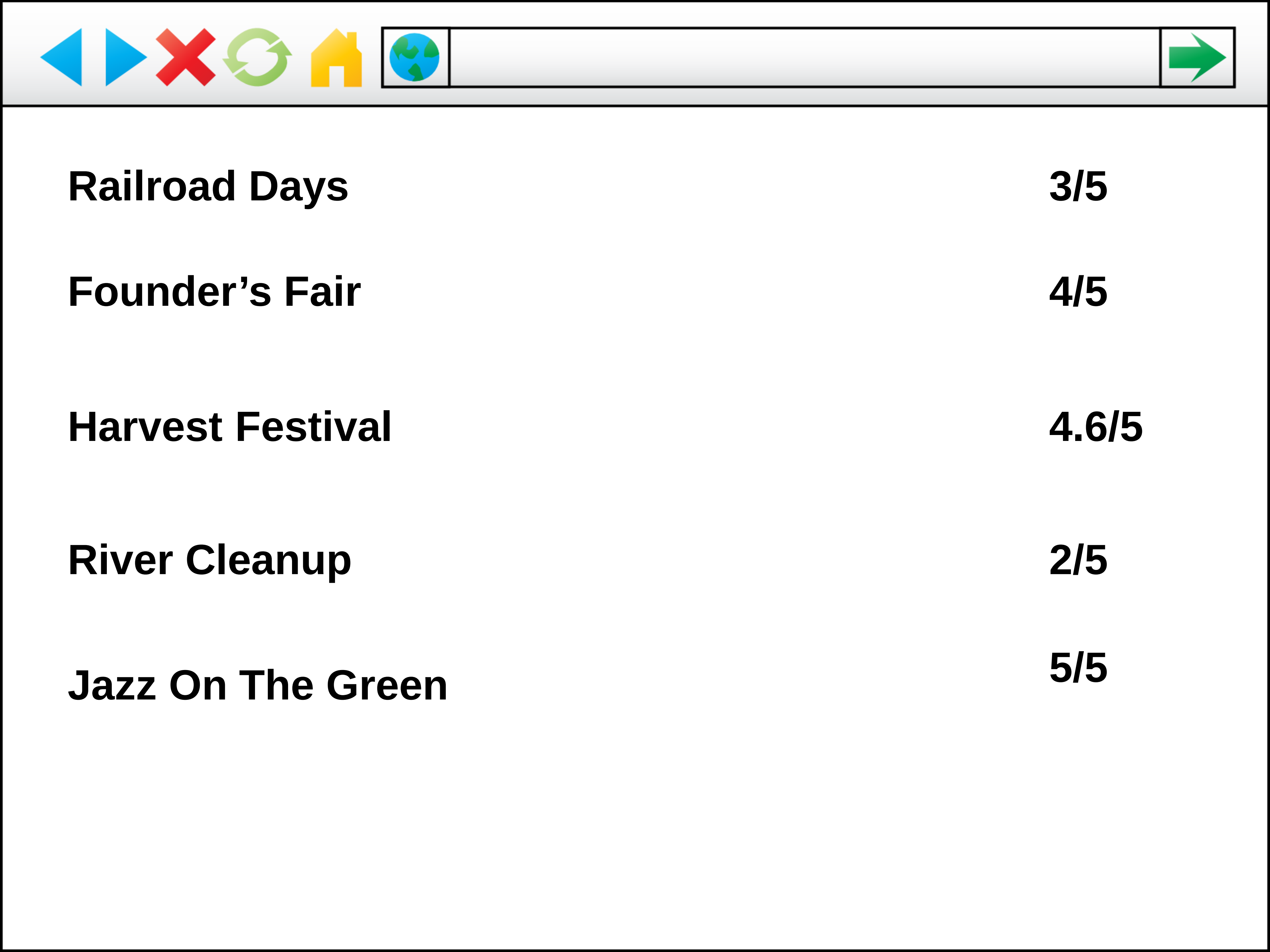
- **How AngularJS describes itself**
- **Controller interacts with the DOM**
  - $scope has properties that can be used to show/hide
  - Methods on controller can be used for filtering etc
- **Separates DOM interaction (controller) from application logic (service)**
- **For more details check out AngularJS Fundamentals by Joe Eames**

Goals of TDD on The Client

Place code in the **best** location

Logic covered by **tests**

How The Client Works



Railroad Days	3/5
Founder’s Fair	4/5
Harvest Festival	4.6/5
River Cleanup	2/5
Jazz On The Green	5/5

Railroad Days

Come see new and historical train engines as we celebrate the opening of the western rail line.

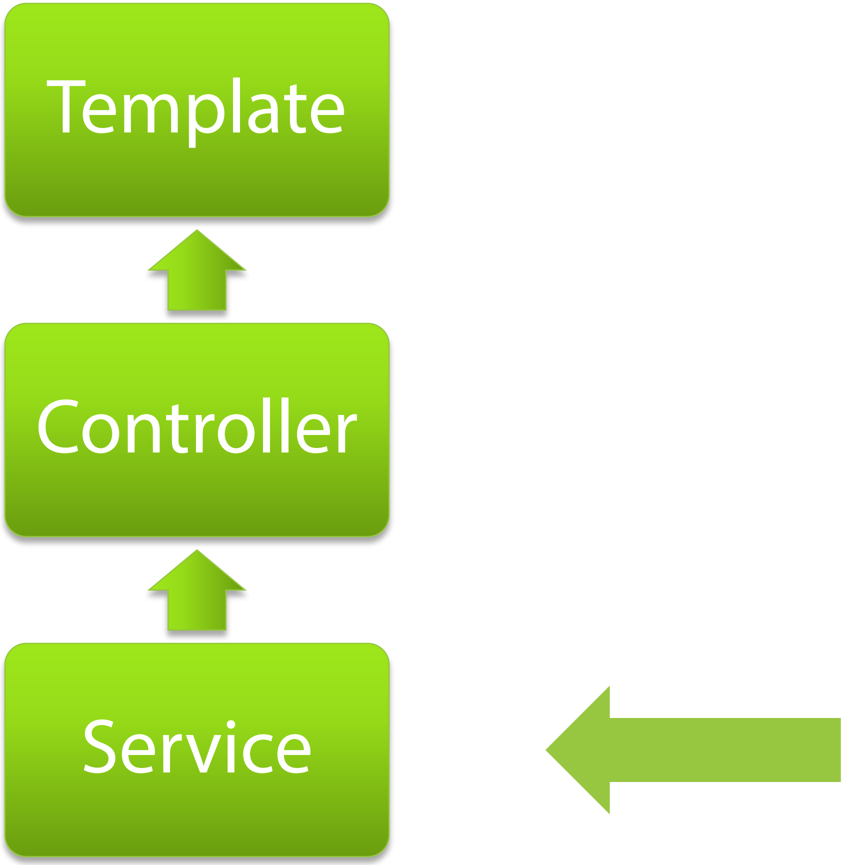
★★★☆☆

4/5 – So many neat trains to see.

1/5 – The line for the scenic journey was too long!

See More…

Where to Start?



Template

Controller

Service

Angular Service

Business logic independent of views.

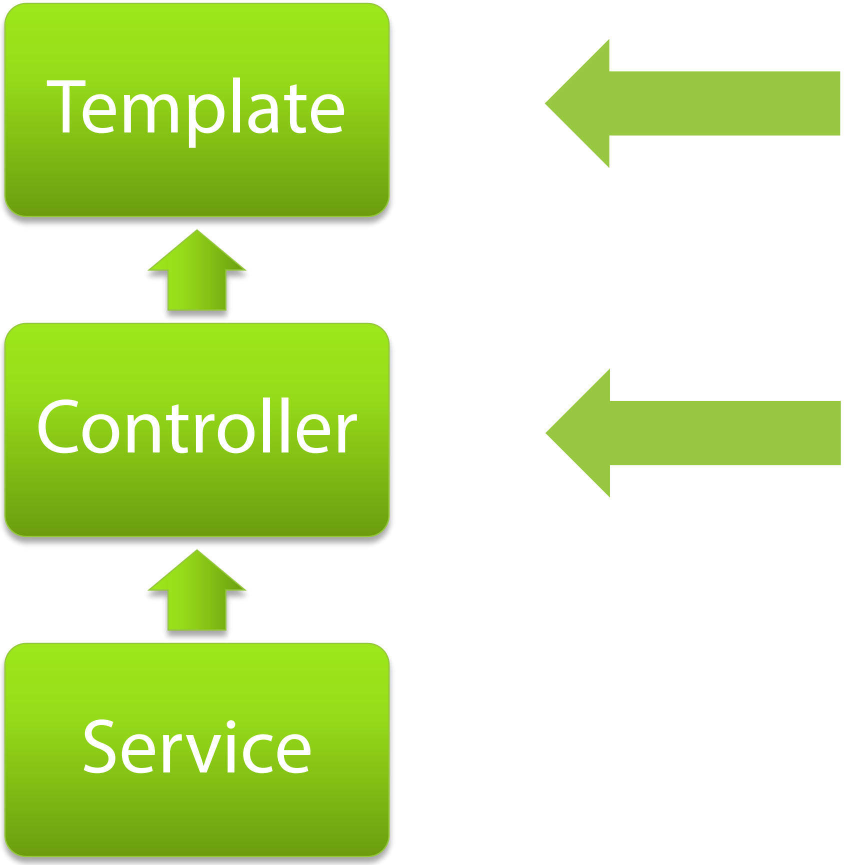
To the Code!

Displaying a Single Event

Refactoring the Client

Interacting With The View

What’s Next?



Template

Controller

Service

Angular Controller

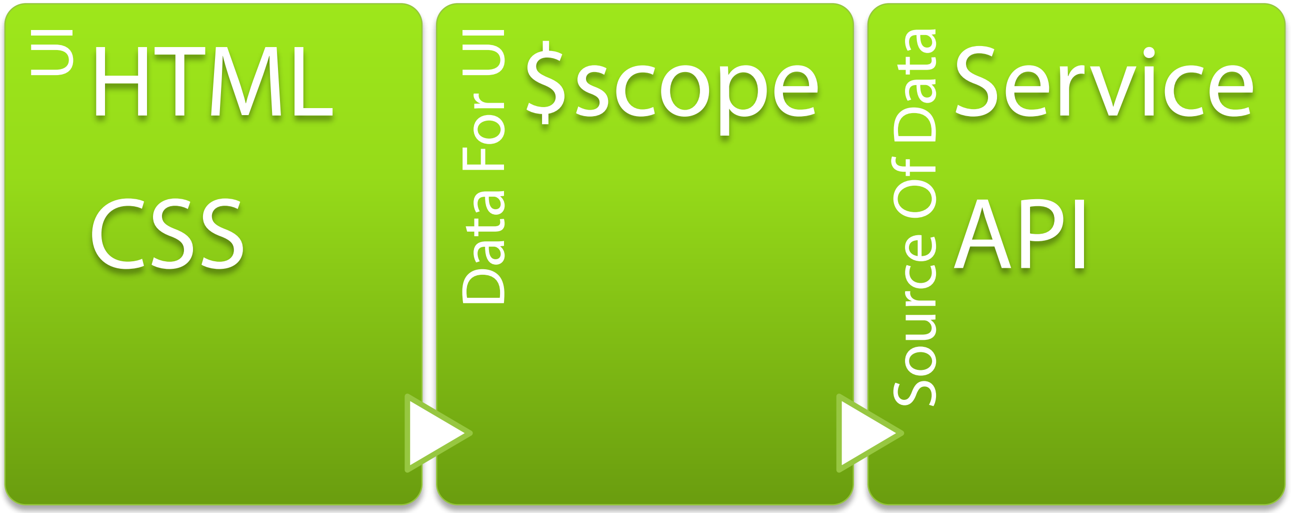
Business logic behind a view.

Client Interaction

Adding Templates

What Have We Learned?

Typical View of an Application



UI

HTML

CSS

Data For UI

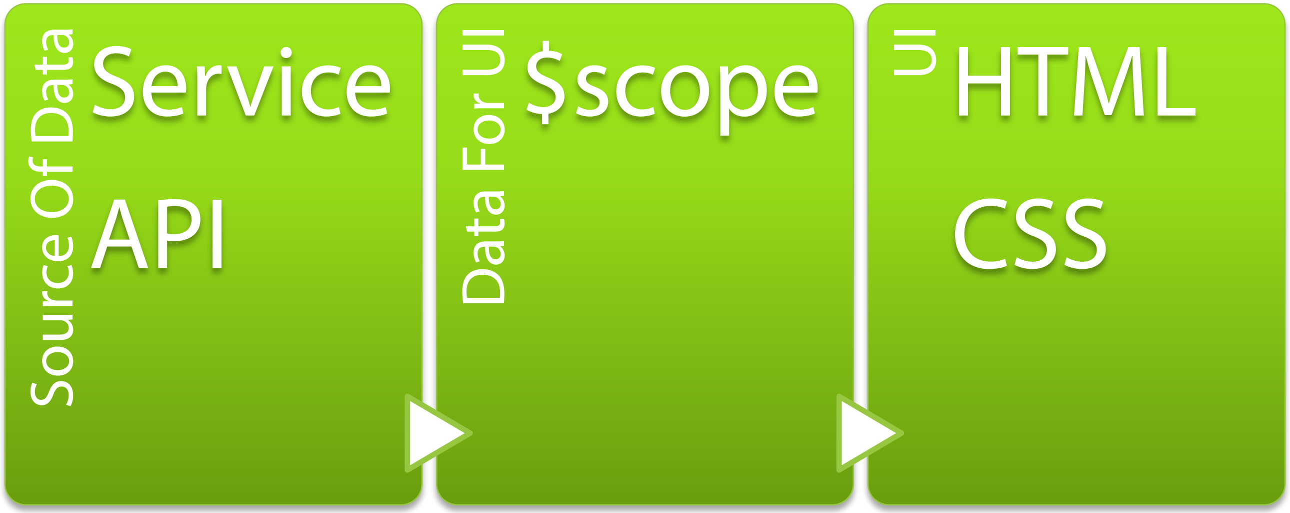
$scope

Source Of Data

Service

API

How We TDD an UI



Source Of Data

Service

API

Data For UI

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Summary

TDD on Client needs change of perspective

Fake out all levels below the current one

Don’t Forget to Refactor