



# The Primo New UI Development Approach and Concepts

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igelu | ExLibris | Budapest <sup>2015</sup>

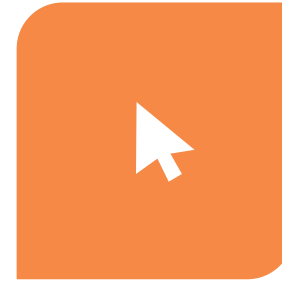
# Agenda

- UI Major Principles
- Choosing a commonly used development framework
- Angular at a glimpse
- New UI Customization Approach
- Primo New UI

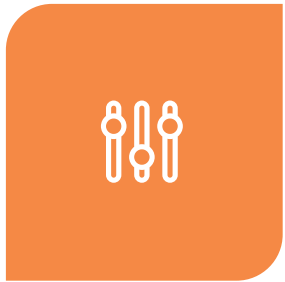
# Applying Core UX Principles



One experience  
across devices



Designed for  
performance



Clear and  
intuitive design



Easy to configure  
and maintain UI



Action-driven:  
Expose relevant  
functionality



Analysis for  
continuous  
optimization

# The New Primo UI – Major Principles

- New modern intuitive and innovative UI
- Responsive UI - Discovery via mobile, tablet, desktop
- Flexible and easy configuration
- Gradual switch



# Choosing a development framework

- Modular, readable, clean code
- Accessibility (*ngAria - Accessible Rich Internet Applications*)
- Responsiveness
- Performance
- Security
- Data-Binding
- Templating
- Code reuse



# Angular as a framework

- MVC architecture
- Structured code:
  - *View* (html)
    - Augmented view functionality belongs in *Directives*
    - Routing/ Injecting (single page app)
  - Logic (like ajax calls) in *Services*
  - *Controller* – connects services and logic to view



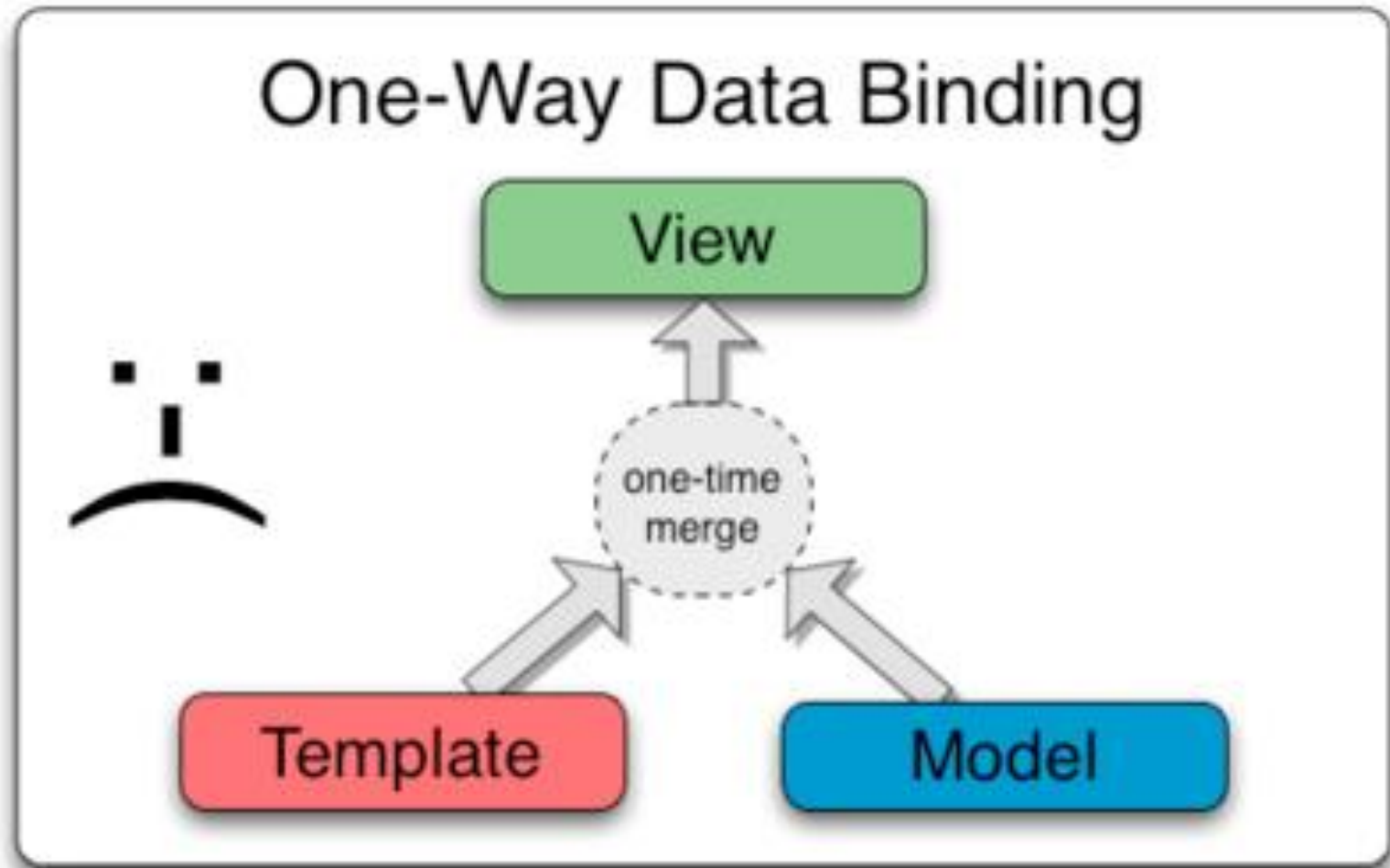
# Angular as a Framework – cont.

- Model – Data modeling
  - Two-Way Data-Binding
- Unit-testing ready
- Performance
  - Aggressive cache
  - Minimal page size



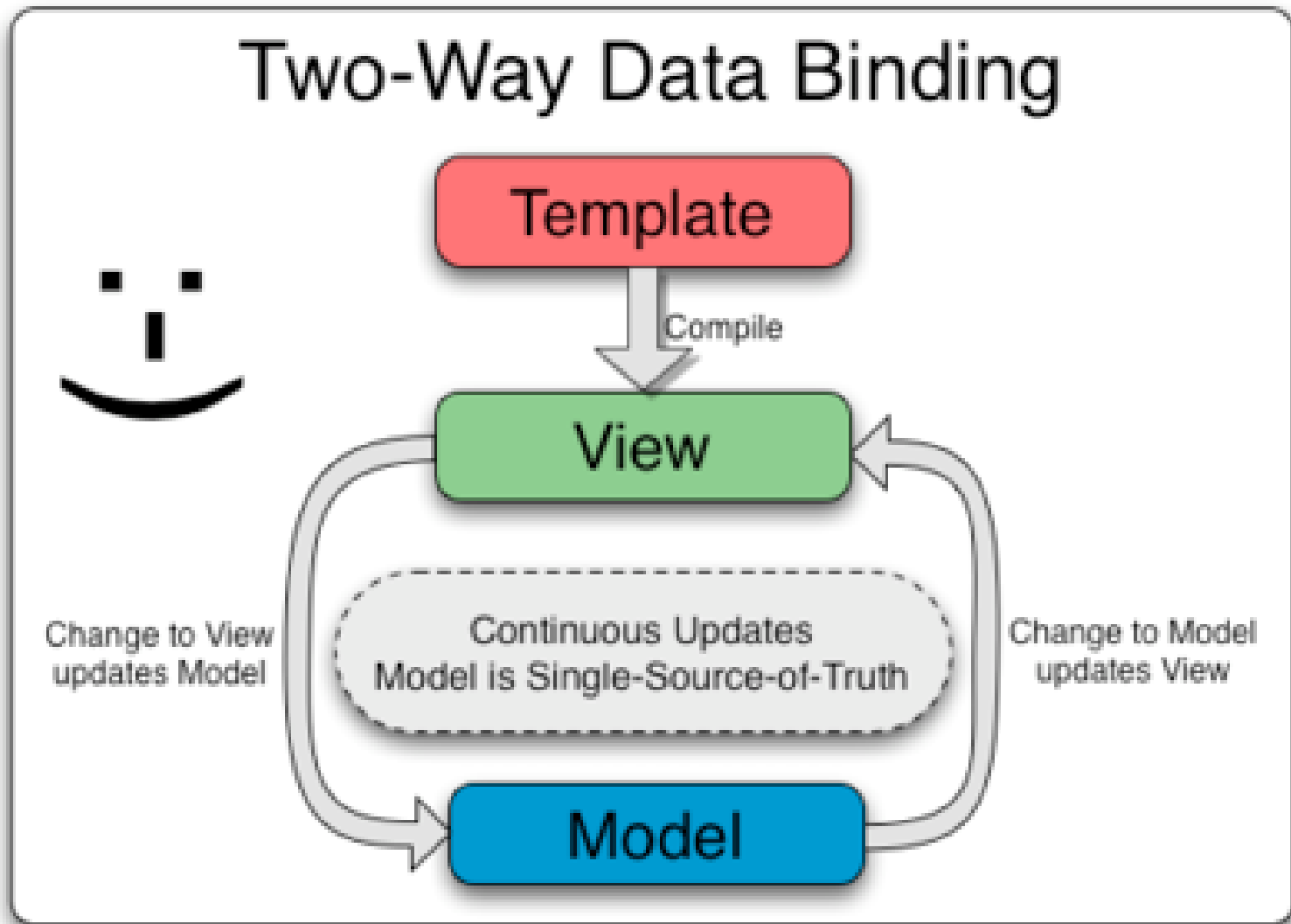


# Angular – 2 Way Data Binding



Source: <https://docs.angularjs.org>

# Angular – 2 Way Data Binding



Source: <https://docs.angularjs.org>

# New UI Customization principles

- Manageability Challenge
  - Enable Max customization with Min limitations
  - Enable customization & keep smooth upgrades
  - Prevent environmental breaches / SaaS limitations
- Improved client-side functionality capabilities
  - Angular vs. JSP
- How to ?

# New UI Customization principles – cont.

- Provide customization/configuration capabilities
  - Wizard for common configurations
    - Example: GUI elements properties (Show/Hide, Coloring, element location etc. )
  - Element/Directive configuration
    - Change View/ Controller elements
    - Provide a map of directives and placeholders
  - Customization Package
    - Customers' code directories - partial exposure
    - Local development done by customer
    - Package Loader script/API



# The new User Interface

Sugar plantations

Alma University



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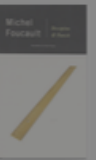
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Sugar plantations

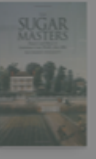
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Author Rolf Knight

Subjects Sugar trade > Colombia > Valle del Cauca

Sugar workers > Colombia > Valle del Cauca

Related titles Series: Anthropological series; no. 12 Anthropological series (University of Toronto. Dept. of Anthropology); no. 12

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