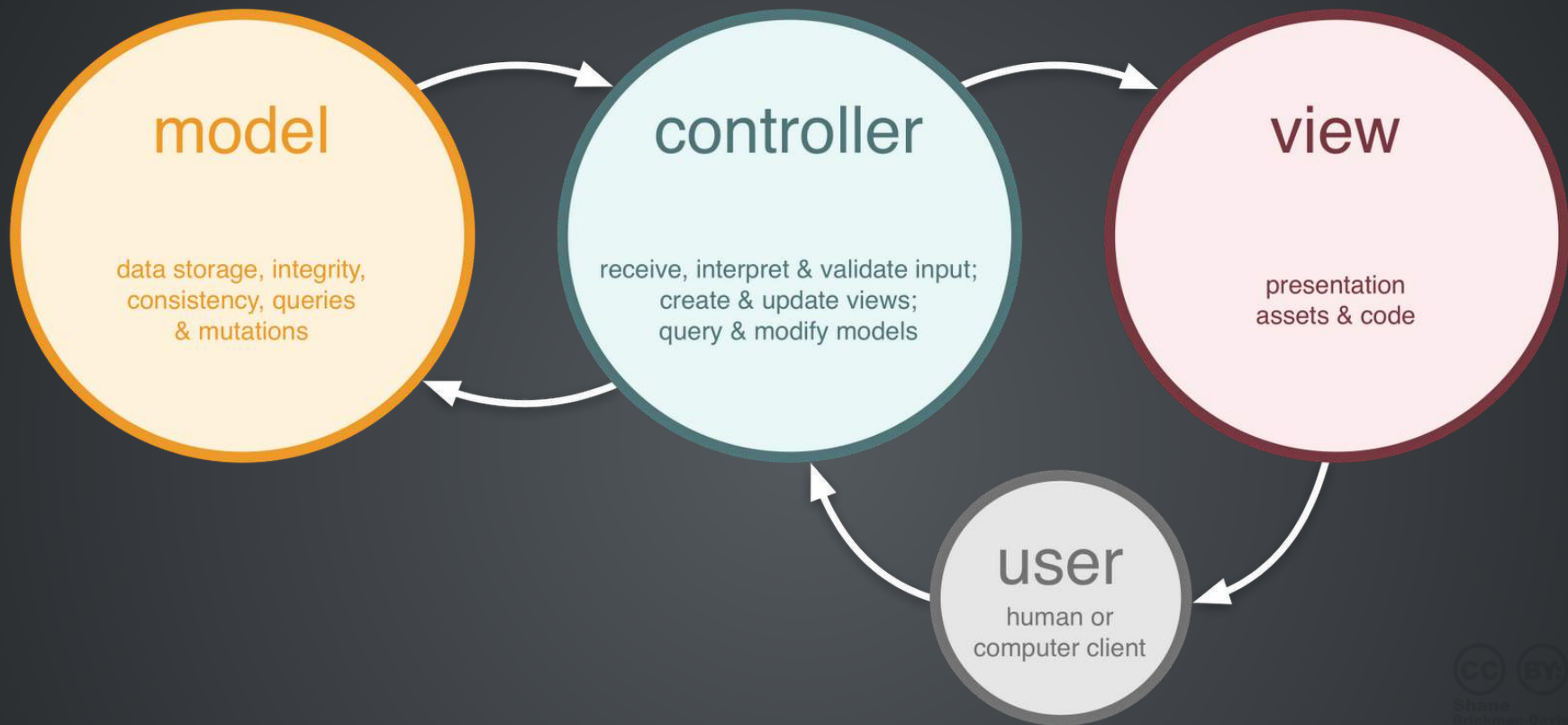


# MODERN WEB APPLICATIONS

Using Angular.js

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Angular is an MVC framework used to create dynamic single-page web apps.

- Two-way data binding
- HTML with declarative functionality
- DOM manipulation
- Organization
- Built with testing in mind



Angular also comes with a *philosophy* about how HTML and web design should look like.

Instead of design first, functionality later, with Angular we first create an architecture, then use it in the design.



## Other features:

- Form validation
- Routing
- Animation
- Modular
- Server communication



## Main concepts

- **Controller** - business logic
- **Directive** - extending HTML with custom attributes and elements
- **Service** - reusable business logic
- **Dependency Injection** - calls function with the right services
- **Scope** - context where the model is stored
- **Template** - HTML with additional markup





## Why should you use it?

- Write less code
- Create reusable modules
- Declarative user interface
- Seamless testing





# EXAMPLES

## Basic binding

<http://plnkr.co/edit/384GrAt2KgiRmG8sYiM3>

## Basic directives

<http://plnkr.co/edit/9tmTDop6S7cX8nijmc3T>

## ng-repeat with animation

<http://plnkr.co/edit/Up8D2JCFjQFoAV3xOThn>

## Filters

<http://plnkr.co/edit/42D0AlaAKuuiv7b1EThF>

## Testing with Jasmine

<http://plnkr.co/edit/42D0AlaAKuuiv7b1EThF>

