



Introduction to AngularJS

AngularJS Bangalore Meetup

Agenda



- ✦ About AngularJS
- ✦ 2 way data binding
- ✦ MVC
- ✦ Services
- ✦ Inheritance
- ✦ Directives

Is it new framework?



- ✦ Look at it as an 'extension' to browser capabilities
- ✦ Framework, bunch of utilities, MVC etc.,
- ✦ Helps you write legible code for complex web 2.0 apps
- ✦ It's been in 1.0 for a year now
- ✦ Compares with Backbone, Ember etc.,
- ✦ Reduces boiler plate code

2 way data binding



- ✦ Common use case of jQuery is to manipulate DOM contents, after user actions
- ✦ AngularJS does this for you automatically
- ✦ You deal with variables & update it
- ✦ It's all weaved using “scope”

MVC



- ✦ Model represents your form
- ✦ Views provides you an ability to put templates
- ✦ Controllers drives the logic of the user flow
- ✦ Helps in separation of concern
- ✦ Reduces duplicate code – DRY principle
- ✦ Views are dynamically loaded & cached
- ✦ Helps reduce download pay load

Services



- ✧ AngularJS has separate component ng-resource, used as services
- ✧ Built on top of \$http, an abstract class that allows you to make GET, POST calls
- ✧ Handles marshalling / unmarshal of JSON object back & forth

Inheritance



- ✦ AngularJS does support Inheritance
- ✦ It's supported by DOM hierarchy
- ✦ Controller attached to the Body (or a parent DOM) acts as base class
- ✦ Inherited classes can call upon the base class, not otherwise

Directives



- ✦ Compare this as your widgets of jQuery
- ✦ Little components, that are handy for implementing small features / utilities
- ✦ AngularJS comes in-built with several directives
- ✦ Anything you see, with “ng-” are AngularJS name space

Resources



- ✦ <http://angularjs.org/>
- ✦ <http://egghead.io/>
- ✦ <http://www.youtube.com/user/angularjs>
- ✦ <http://net.tutsplus.com/tutorials/javascript-ajax/5-awesome-angularjs-features/>
- ✦ <http://blog.whydoifollow.com/post/angularjs-where-to-start>
- ✦ <http://blog.liftoffllc.in/search/label/angularjs>

Today's Session Source Code

- ✦ <https://github.com/LiftOffLLC/AngularJS/tree/master/ch1>

Thanks



Questions on AngularJS, feel free to write an email to –
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