# Angular

# Why Angular

## *“Other frameworks deal with HTML’s shortcomings by either abstracting away HTML, CSS, and/or JavaScript or by providing an imperative way for manipulating the DOM. Neither of these address the root problem that HTML was not designed for dynamic views”*

# Other Javascript MV\* Frameworks

## BackboneJS

## EmberJS

# Features of Angular

## Two-way Data Binding – Model as single source of truth

## Directives – Extend HTML

## MVC

## Dependency Injection

## Testing

## Deep Linking (Map URL to route Definition)

## Server-Side Communication

## <script>

## $(function(){

## </body>

## </html>

# Expressions

## Expressions allow you to execute some computation in order to return a desired value.

## {{ 1 + 1 }}

## {{ 946757880 | date }}

## {{ user.name }}

## you shouldn’t use expressions to implement any higher-level logic.

# 1.X vs 2.0

## Controller to Component

## More mobile oriented

## More choice for languages

## No more controllers and $scope

## Structural directive changes

## camelCase syntax for directives – ng-model => ngModel

# 1.X vs 2.0 contd…

## One-way data binding replaced with [property]

## Two-way model binding with [(ngModel)]

## Dependency injection is via constructor, @Injectable

## Routing syntax changes - @RouteConfig and <router-outlet>

## Setup & Bootstrapping requires multiple steps