Build Modern Web Applications with

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zeolearn

Understand AngularJS

- **Fundamental HTML and Javascript Concepts**
- **Javascript Principles**
- **How AngularJS works**
- **Hands-on examples and mini-projects**

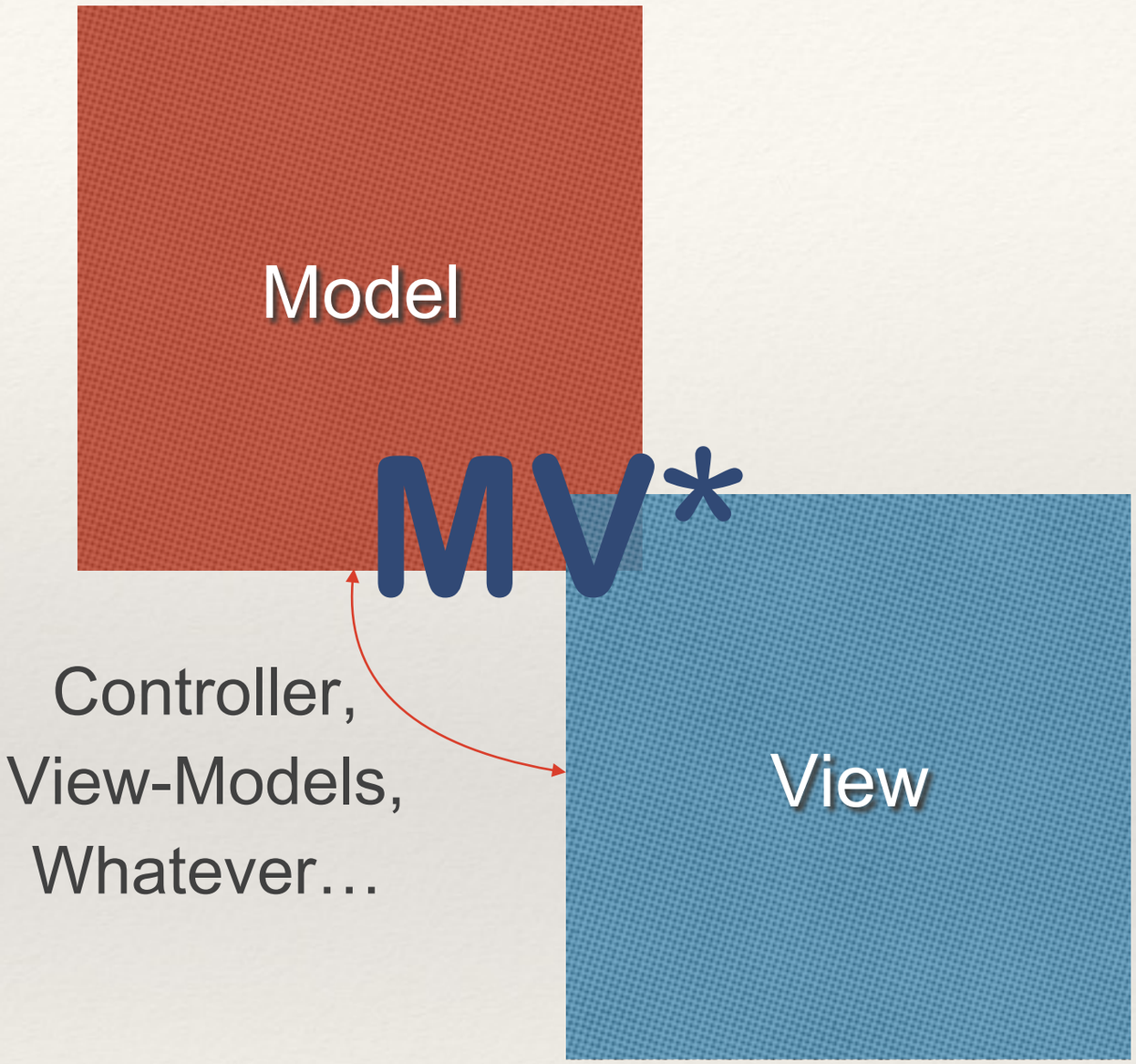
AngularJS Concepts and Vocabulary

- Concept or Terminology
- Definition
- Detailed Explanation

The Problem(s) AngularJS is trying to solve

Model, View, Whatever…

```
var shape = “angular”;
```




```
<h2>angular</h2>
```

Concept Review-HTML Custom Attributes

Concept Review-Javascript Global Namespace

Modules, Apps and Controllers

Concept Review - Javascript Dependency Injection

The Scope Service

Concept Review - Javascript Functions and Strings

Angular Dependency Injection

Getting Other Services

Concept Review - Javascript Arrays and Functions

Dependency Injection and Minification

Session-2:

Data Binding and Directives

Single Page Applications

Scope and Interpolation

Directives and Two Way Binding

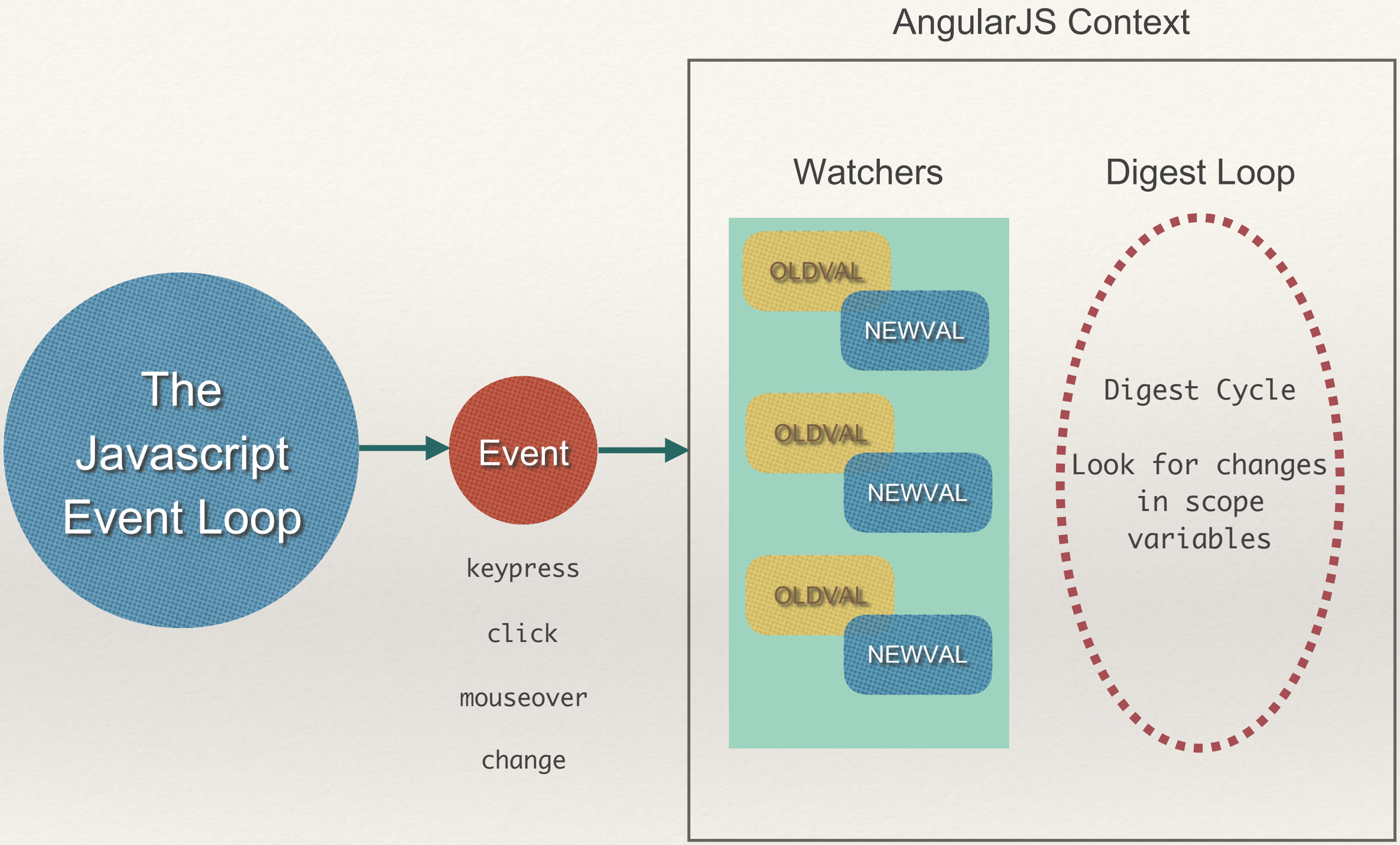
Directive

An instruction to Angular JS to manipulate a piece of the DOM

E.G. ADD A CLASS, HIDE THIS, SHOW THIS, CREATE THIS ETC.

Concept Review - Javascript Event Loop

Watchers and the Digest Loop


The Javascript Event Loop
Event
keypress
click
mouseover
change
AngularJS Context
Watchers
OLDVAL
NEWVAL
OLDVAL
NEWVAL
OLDVAL
NEWVAL
Digest Loop
Digest Cycle
Look for changes in scope variables

Common Directives

Concept Review - The XMLHTTPRequest Object

External Data and $http

Concept Review - AngularJS - Multiple Controllers, Multiple Views

Concept Review - HTML5 and Javascript - Single Page Apps and the Hash

Session - 3

Custom Services, Custom Directives

Singletons

Creating a Custom Service

HTML - Reusable Components

Angular Variable Names and Normalization

Creating a Directive

Directive Templates

Session 4

Directives - Scope

Directives - Compile

Directives - Link

Directives - Transclusion

Project Specification: Building an AngularJS App

Directives - Scope (@, =, &)

Directives - Compile

Directives - Link

Directives - Transclusion

Building an AngularJS App - Specifications