

# AngularJS: Lesson 7

Routers, Testing and Forms

# UI-Router

- More geared to “states”
- Nested Views/States
- Very Flexible View Hierarchy
- ui-sref for links

All the details:

<https://github.com/angular-ui/ui-router>

# Unit Testing

- Karma test suite.
- TDD (Test Driven Development)
  - Write a failing test.
  - Get the test to pass trivially.
  - Write the code to get the test to pass officially.
  - You're done!

# Jasmine Docs

<http://jasmine.github.io/2.2/introduction.html>

Let's see some examples

# To Form or not to form

nested forms use directive: ng-form

Forms get you:

- one place to attach your submit handler
- submit on “enter” keypress

# Syntax

nested forms use directive: ng-form

```
<div ng-form name="myForm" ng-submit="onMySubmitAction()" novalidate>
  <input name="myInput" type="text" ng-model="myModelValue">
  <input type="submit">Submit
</div>
```

```
<form name="ctrl.myForm" novalidate>
  <input name="myInput" type="text" ng-model="ctrl.myModelValue">
  <input name="subInput" type="submit" value="submit">
</form>
```

# Built-In Validators

```
<form name="myForm" novalidate>
  <input name="textInput" type="text" required ng-model="someText">
  <input name="myInput" type="number" min="0" max="99" ng-model="myModelValue">
  <input name="emailInput" type="email" ng-model="userEmail">
  <input name="subInput" type="submit" value="submit">
</form>
```

Others: <https://docs.angularjs.org/api/ng/input>