**Course Outline**

* 1 Overview of AngularJS (1hr)
  + 1.1 AngularJS architecture overview
  + 1.2 The Angular Batarang
  + 1.3 Using Karma
  + 1.4 Get Setup
  + 1.5 Angular Seed Tour
  + 1.6 Build: Hello World
    -  Bind tweet to input
    -  Disable button, if tweet is empty
    -  Character count binding
* 2 Data Binding (1hr 30mins)
  + 2.1 Wiring up a controller
  + 2.2 Binding
  + 2.3 Iteration
  + 2.4 Filters
  + 2.5 Forms binding and validation
  + 2.6 Build: A two-way bound form with validation
    -  Post: add tweet to list
    -  Show error validation message (tweet too long)
    -  Search filter by tag/username/text
* 3 Services and DI (1hr 30mins)
  + 3.1 Overview of the built-in AngularJS services
  + 3.2 Using angular's $http and $resource services
  + 3.3 Promises
  + 3.4 Service registration and injection
  + 3.5 Using services to build a service
  + 3.6 Injecting services
  + 3.7 Build: Create a twitter search service
    -  Submit simple search
    -  Set result size
    -  Create a paging stream (with promises)
    -  Pass tests

{{ Lunch Break }}

* 4 Templates and Routing (1hr)
  + 4.1 Linking and images
  + 4.2 The routing API
  + 4.3 PushState, hasbangs and SEO
  + 4.4 Build: Using templates with iteration
    -  Create a template for each tweet in the list
  + 4.5 Build: Using templates and routing for master/details navigation
    -  Create a details page for a tweet
* 5 Directives (2hr)
  + 5.1 Simple directives
  + 5.2 Using templates
  + 5.3 Working with controllers
  + 5.4 Transclusion
  + 5.5 Directive scope and isolate scope
  + 5.6 Build: Tweet Directive
    -  Add a timer that updates tweet time continuously
    -  Add a marquee news ticker that can accept data from the incomming tweets
    -  Bonus: Use D3 to chreat a chart of something
* 7 Advanced Topics (30 mins)
  + 7.1 How to avoid polluting the global namespace
  + 7.2 Using modules
  + 7.3 Some AngularJS best practices
  + 7.4 Using $watch, $digest, $apply
  + 7.5 AngularJS events
    - 7.5.1 Routing lifecycle events
  + 7.6 Route Resolving
* 8 Code Dojo: Hacking (30 hr)
  + Spend the last hour playing and hacking with AngularJS