Angular Dev Forum

*A presentation interspersed with real-world example demos*

Agenda

1. About Angular – expanding HTML, declarative, data-binding, origins - Ephraim
2. How Angular is different – dirty-checking, POJOs - Ephraim
3. How it works – scope, digest cycle - Ephraim
4. About the paradigm – SPA, static html consuming REST, logic on client, caching/security/deep link/speed advantages (and why 1Cloud is a little different). – Ephraim
5. Setting up in Visual Studio, a little about our situation (webforms, etc.) - Ephraim
6. Dependency injection, modules and the application – Ephraim
   1. Describe the big building blocks and their relationship to each other
   2. Start with DemoStep0, complete will be like DemoStep1
7. Controllers – Ephraim
   1. Start with DemoStep1, complete will be like DemoStep2
8. Databinding – Ephraim
   1. Start with DemoStep2, complete will be like DemoStep3
9. Routing – Syed
   1. About Angular routing and a little about ui-route
   2. How to config, associate controller and template, etc.
   3. Start with DemoStep3, complete will be like DemoStep4
10. Services - Syed
    1. Important built-in services and what they do
    2. The how and why of creating your own services – sharing data across controllers, reuse, etc.
    3. Start with DemoStep4, complete will be like DemoStep5
11. Directives – Syed
    1. Angular’s built-in directives
    2. The how and why of creating your own
    3. Start with DemoStep5, complete will be like DemoStep6
12. Filters – Ephraim
    1. Different types of filter – static for display, query-like for collections
    2. Built-in filters
    3. The how and why of creating your own
    4. Start with DemoStep6, complete will be like DemoStep7
13. Response Interceptors – Ephraim
    1. Pre-process requests or post-process responses
    2. Why and how to create your own
    3. Start with DemoStep7, complete will be like DemoStep8
       1. Hide data and display “please wait” while our application retrieves data from the REST API
14. Testing – Syed
    1. Why Angular is great of testing, what to test, unit vs E2E, frameworks, etc.
    2. Start with DemoStep8, complete will be like DemoComplete
       1. Install VS-compatible test tools, perhaps Chutzpah runner and Jasmine, write and run a test or two.
15. An example of Angular in 1Cloud – Ephraim
    1. The “move money” wizard.
    2. What parts of Angular we’re using and which we aren’t.
    3. What the use of Angular is buying us.

Additional topics, if time allows

1. Best Practices - ??
   1. Where to do what (DOM manipulation, logic, data access, etc.)
   2. Organizing code/files
   3. Naming
   4. Etc
2. Debugging, dev tools, batarang - ??
3. Setting up fake backend for dev with no live services
4. Promises
5. Great 3rd –party libraries
6. Great books, blogs, videos, resources