New Technology: Angular 2

# Findings

# Sources

<http://www.angular2.com/>

<https://www.pluralsight.com/>

<https://jcoop.io/angular-2-practice-exercises/>

<https://angular.io/>

# Log

**30-07**

* Start Pluralsight course: Angular Fundamentals
* Learning about SystemJS Module Loading
* Creating Components/Building Main Module Loader
* Angular CLI (main component, tests, …)
* Data-binding Components
* External Templates
* Parent <-> Child Comms via Input and Output Events
* Template Reference Variables
* CSS Template Styling (Encapsulation)
* Interpolation, Expressions, Property Bindings
* Event Binding/Statements
* ngFor, ngIf, ngSwitch Structural Directive
* Handling Null/Undefined Values in Binding
* Hidden Attribute
* ngClass, ngStyle
* Services with 3rd party

**31-07**

* Continue Pluralsight Angular Fundamentals
* Basic Routing, Routing Params, …
* Route Guarding (canDeactivate, canActivate)
* Lazy Loading Components with Observables
* Styling Active Nav Links
* Lazy Loading Modules
* Setting up Barrels for Clean Import
* Using Models for Type Safety
* Template-based Form, Using Data and Validation
* Reactive Form, Custom Form Validation
* One-way and Two-way Binding

**01-08**

* Passing Data into/out Child Components
* (Multiple) Content Projection
* (Custom) Piping
* Sorting/Filtering Data without Pipes
* Dependency Injection Problems & Advanced
* OpaqueToken to Register 3rd Party APIs and @Inject
* UseClass, UseExisting, UseFactory Providers
* Adding Jquery
* Directives, Modals, ID Binding
* ViewChild Decorator
* Advanced Custom Validators (multi-field)
* Advanced Input/Output Setters
* HTTP, Observables, Rx with CRUD
* Authentication