1. **Custom Directive**
   1. What is the ddo?
      1. ddo is directive definition object
   2. How do we create custom directive in angularjs?
      1. First, we need to inject the directive into angular module as
         1. .directive(“exampleDirective”, ExampleDirective)
      2. Second, declare directive function
         1. Function ExampleDirective() {

Var ddo = {

Restrict: “AE”,

Template/templateUrl: “link or DOM defined by user:

}

return ddo;

}

1. **Restrict Property**
   1. Default restrict is AE that stands for Attribute and Element
   2. The process of creating restrict property is the same as custom directive, but we just inject restrict into ddo object literal as shown above.
   3. The best practice is to use restrict as Element.
2. **Directive with Isolate Scope**
3. **Using controller inside directive**
4. **Directive API**
   1. ‘&’ binding allows us to execute and expression (such a function value) in the content of the parent scope
   2. Parent template must declare an attribute providing:
      1. Method reference to call on the parent
      2. Argument keys for directive to bind values to
   3. Directive:
      1. Calls the referenced method
      2. Provides a map of argument key to value pairs
      3. Allows directive to pass data back to parents from isolate scope.
5. **Manipulating the DOM with link**
   1. DOM manipulation is usually done inside of the link function
      1. Declared on the DDO
   2. Link function does not support injection
      1. To use injected components, services, inject them into directive
   3. ‘scope’ parameter is the exact $scope in directive’s controller
   4. ‘Element’ object represents the element of the directive
      1. Top level element
      2. It’s jqLite object or jQuery object (if jQuery is included)
6. **Using directive’s transclude to wrap other elements**
   1. Transclude allows whole templates to be passed into a directive
   2. The wrapped content is evaluated in the parent’s context, not in the directive’s context
   3. In the DDO:
      1. Transclude: true
   4. In directive’s template:
      1. ng-transclude attribute designates place for evaluated wrapped content