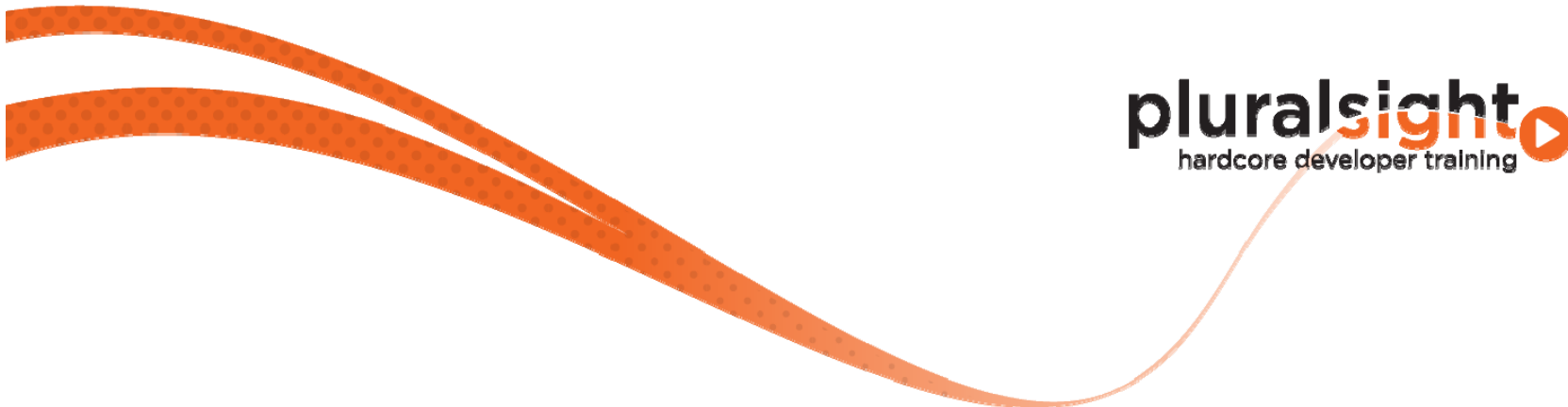


Building End-to-End Multi-Client Service Oriented Applications – *Angular Edition*

Module 10

The Car Rental Web Site

Part 1 – Infrastructure, Angular, & Security



Highlights

- **Layout and Infrastructure using ASP.NET MVC**
 - Layout view
 - MEF bootstrapping
 - Dependency Resolver
 - Security Adapter
- **Infrastructure for AngularJS**
 - ViewModelHelper class
 - Layout structure
 - 3rd party components
 - SPA patterns
- **Adding Security using Forms-Authentication**

Infrastructure

- **Controllers all served by MEF**
 - MVC & API
 - Use custom dependency resolver to resolve controller classes
- **Custom base classes for all controllers**
 - API controllers will also use custom action filter
 - Pattern set in place for service-proxy “closing”
- **All views use master Layout view**
- **Attribute Routing used instead of conventional routing tables**
 - Provides clearer connection between route and action-code
 - Self-documenting
- **3rd party components**
 - Bootstrap used for CSS styling
 - Moment.JS – date parsing JS library
 - <http://momentjs.com/>

Angular JS

- **AngularJS**
 - JavaScript client framework
 - Developed by Google
 - Provides SPA features
 - MVVM binding
 - Routing with history tracking (back-button support)
 - Dependency injection
 - Modularity
- **All Angular-aware views will follow specific layout-pattern**
- **3rd party components**
 - Custom date-picker uses UI Bootstrap
 - <http://angular-ui.github.io/bootstrap/>
 - Home grown JS-based validation engine