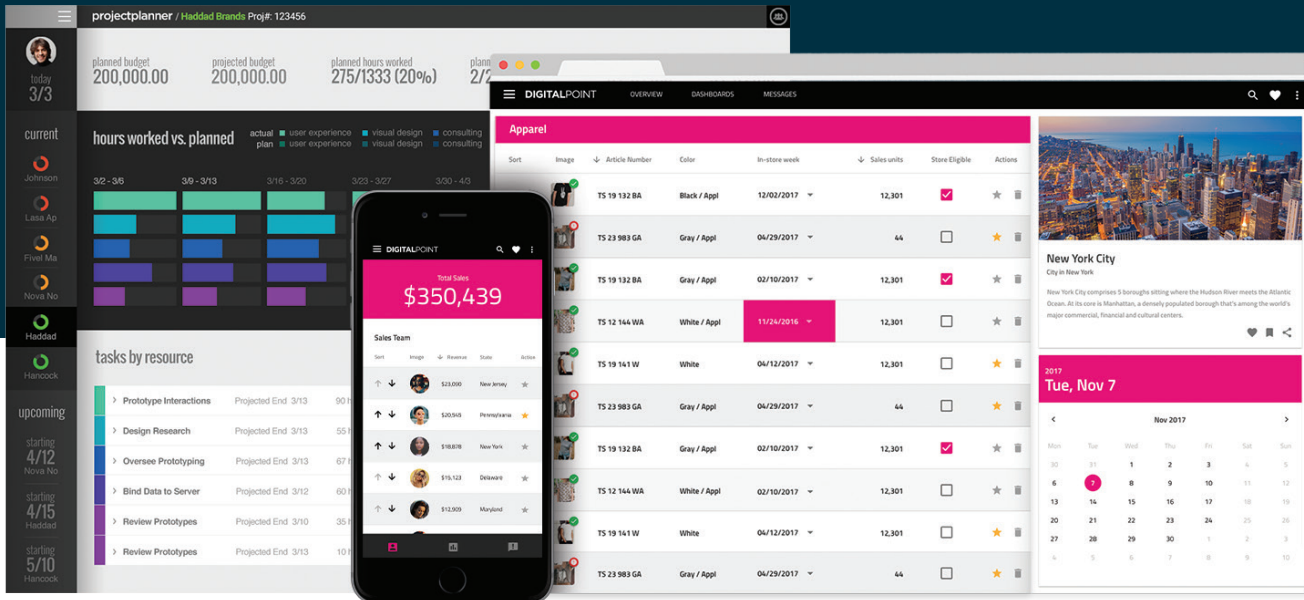


# Ignite UI for JavaScript and Angular



## Overview

The volatile nature of web development has become a pressing problem for development managers, project owners, and decision makers of every stripe within an organization. Infragistics has been at the forefront of application development for over 25 years, providing businesses the guidance and tools to build out the programs that sustain and guide their internal users, while granting them an edge against their competition. Infragistics' Services team works with companies ranging from Fortune 500 to startups. The broad cross-section gives us insight into the pulse of development across every platform and in every vertical.

Our instructors aren't just teachers – the Services team's architects and consultants have practical knowledge of what works for businesses in every stage of web development, from the earliest transition from desktop technologies, to the migration of existing web applications to modern frameworks. Our guidance will inform your decisions and prevent "analysis-paralysis" – within one week, your business will have a clear indication of the direction to follow.

Ignite UI for  
JavaScript and Angular

# \$24,499

**Pricing Includes:**

- Angular Master Class
- Ignite UI for Angular Deep Dive & Best Practices
- Hands-on Labs & Workshops
- Take-home Courseware
- 10 Full Licenses of Ignite UI for Angular with 3 years of New Features, Updates and Support

# Description

This offering is designed to accelerate and support development teams in moving to the Angular platform while utilizing the powerful Ignite UI control suite. By walking developers and project owners through the core concepts of Angular and familiarizing them on the fundamental languages, frameworks, and architectural guidelines, Infragistics equips teams on how to proceed in the rapidly changing world of web development. At the end the training, Infragistics will meet with the team leads and project owners to discuss the best direction and options for proceeding with modern web development, providing insight into how the industry is responding and the direction in which it's headed.

Our training can be geared toward two distinct groups – developers and decision-makers. The developer-focused track is very hands on, with students actively participating in working through the samples in a collaborative environment. We scale the class to the level of the developers present – the more advanced the team is, the more depth we dive into in each topic.

The decision-maker track gives managers, product and project owners, directors, and C-level leaders insight into the technology at a high level. We then focus the remaining time on workshops and discussion on the challenges and needs of the organization. This deep-dive equips them with knowledge they need in order to assess their individual landscape across their vertical and to make the proper choices on a path forward.

## Developer Track

- Four days of Angular and Ignite UI control training (see syllabus below)
- One day of workshop discussions
- 1 year subscription to 10 seats of Infragistics Ignite UI
- Includes Priority Support

## Decision-Maker Track

- One day of Angular and Ignite UI control training (see syllabus below)
- Four days of workshop discussions
- 1 year subscription to 10 seats of Infragistics Ignite UI
- Includes Priority Support

# Locations




We provide this 5-day course at our headquarters in Cranbury, NJ, onsite at your offices anywhere in the world, or remotely over web meeting.

# Services Engagement Schedule

## Developer Track

### 5 day service engagement schedule



day 1    day 2    day 3    day 4    day 5

	day 1	day 2	day 3	day 4	day 5
 <h3>Angular Training</h3> <p>A deep dive into the Angular platform, covering everything from the fundamentals to advanced topics, with a syllabus that can be customized to your team's skill levels.</p>					
 <h3>Ignite UI Training</h3> <p>Cover the Ignite UI component set, get familiar with the APIs available to you, and learn best practices when working with controls geared toward high-performance in high-volume scenarios.</p>					
 <h3>Workshop Discussions</h3> <p>Discussion focused on how to take the technology and apply it to the applications your team develop, support, and maintain. Review specific challenges and complex scenarios that your organization will need to address.</p>					

# Services Engagement Schedule

## Decision Maker Track

### 5 day service engagement schedule

	day 1	day 2	day 3	day 4	day 5
 <b>Angular &amp; Ignite UI Training</b> A crash course in the Angular platform along with a run through of Ignite UI control – learn how Infragistics and Angular combine to provide a powerful and scalable solution for application development.					
 <b>Workshop Discussions</b> Practical discussions focused on your company, your applications, and your challenges – understand the available frameworks for modern web development and how they can be leveraged to move your business forward.					

# Task 1 - Training & Workshop

## Goals

Deliver the Infragistics Angular and Ignite UI controls training and work with stakeholders in identifying a development path forward

## Activities

- Work through the training material as outlined in Appendix A (developer track) or Appendix B (decision-maker track)
- Discuss current web development landscape and other framework options
- Identify training concepts that are key to the challenges faced by the development teams
- Assess migration concerns with stakeholders and project owners
- Lay out high-level development direction and technology selection criteria

## Time

40 hours

## Roles

Principal Consultant

## Prerequisites

Students should have familiarity and experience working with HTML, CSS, and JavaScript, as well as laptops loaded with the IDE and browser of their choice. We ask that you provide us with these details ahead of the class so we can tailor the training to your needs.

# Developer Syllabus

## Day 1

### SPA Intro

- Concept overview
- Framework Options and survey

### Angular Intro

- Architecture
- Installation and Configuration
- Tools and Environment

### TypeScript Intro

- Architecture
- Installation and Configuration
- Tools and Environment

### Types

- Static and dynamic typing, Assertions
- Typescript's primitives and defined types
- Forms of declaration, scoping, and hoisting

### Assignment

- De-structuring
- Spread
- Optional, default, and named properties
- First-class functions

### Class Definitions

- Member access and modifiers
- Interfaces
- Classes and Inheritance Typescript style
- Intersection types and Mixins

### Functions

- Closures
- Lambdas
- Rest parameters

## Day 2

### Components and Modules

- Architecture and syntax
- Angular life-cycle hooks

### Templates and Binding

- Interpolation
- Event binding
- Attribute, one & two way binding

### Filters and Pipes

- Structural Directives
- Prebuilt and custom pipes
- Component Interaction

### Services

- Dependency Injection and Inversion of Control
- Services architecture
- Data services

### Observables and Remote Data

- Intro to Observable and comparison to Promises
- Operators and marble diagrams
- Angular HttpClient REST methods

## Day 3

### Routing

- View replacement
- Router state and events
- Navigation

### Testing

- Jasmine and testing patterns
- Karma test runner
- Protractor and utilities

### Intro to Angular for mobile apps

- Ionic intro
- Media queries

## Day 4

### Ignite UI

- Grid and Data
- Charting

# Decision-Maker Syllabus

## Day 1

### SPA Intro

- Concept overview
- Framework Options and survey

### Angular Intro

- Architecture

### TypeScript Intro

- Architecture

### Components and Modules

- Architecture

### Services

- Dependency Injection and Inversion of Control
- Services architecture
- Data services

### Ignite UI

- Flat and Hierarchical Grid
- Working with Data Sources
- Chart
- Excel/Word Engines

Contact us to get a customized demo or talk to one of our Ignite UI experts.

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Download your free trial of [Ignite UI for JavaScript](#) & [Ignite UI for Angular](#)