



Dundas Dashboard Training Outline

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1. Goals

The purpose of this program is to familiarize software developers with the concepts behind dashboards and applying these concepts to develop effective dashboards.

After this course, you will be:

- well versed in the fundamentals behind dashboards including the main purpose of dashboards and the elements of a dashboard
- more confident in choosing the right data visualization tool for your data
- able to leverage the Dundas Product Line to create dashboards
- comfortable with eliciting requirements for dashboards
- able to implement common dashboard designs and functionalities

2. Course Requirements

This course was designed for experienced software developers. In particular, this course requires the following:

- Intermediate to Senior Development skills in .NET
- Intermediate Skills with Visual Studio
- Development experience with ASP.NET
- Familiarity with web technologies such as CSS and JavaScript
- Some knowledge with SQL Database concepts

3. Course Materials

The following is a list of materials that will be provided for you during your training:

- Dundas Dashboards Theory documents.
- Dundas Dashboards Theory presentation material
- Dundas Dashboards Theory Visual Studio Labs and Solutions
- Dundas Dashboard Components documents
- Dundas Dashboard Components Visual Studio Labs and Solutions

4. Course Content

Note that all times are approximations as we like to address questions during the lecture and labs, so the times may vary. Below is a summary of the content

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Content	Time (hrs)
Overview of Dashboards and Data Visualization	0.5
Dashboard Concepts	3.5
Dundas Chart Component Training	4
Dundas Gauge Component Training	2
Dundas Map Component Training	2
Creating a Dashboard	12
Total Time (3 Days)	24

4.1 Overview of Dashboards and Data Visualization – ½ hr

The following material will be covered:

- What is a Dashboard?
- Merits of using a Dashboard vs. Conventional Reporting
- Dashboard Audience
- Different Types of Visualization

4.2 Dashboard Concepts – 3 ½ hr

The following material will be covered:

- Visualization Best Practices
 - Choosing Visualization Tools
 - Chart Best Practices
 - Gauge Best Practices
 - Map Best Practices
- Common User Interface / User Experience (UI/UX) Dashboard Features
- User Interface and Layout Best Practices

4.3 Dundas Chart Component Training – 4 hrs

The following material will be covered:

- Introduction to Dundas Charts
- Getting Started with Dundas Charts
 - Lab Tutorials
 - Lab Exercises
- Advance Chart Features

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- Tweaking Your Chart
 - Lab Tutorials
 - Lab Exercises
- Chart Best Practices

4.4 Dundas Gauge Component Training – 2 hrs

The following material will be covered:

- Introduction to Dundas Gauge
- Getting Started with Dundas Gauge
 - Lab Tutorials
 - Lab Exercises
- Gauge Best Practices

4.5 Dundas Map Component Training – 2 hrs

The following material will be covered:

- Introduction to Dundas Map
- Getting Started with Dundas Map
 - Lab Tutorials
 - Lab Exercises
- Map Best Practices

4.6 Creating a Dashboard – 12 hrs

The following material will be covered:

- Gathering Dashboard Requirements Lab
- Storyboard and Dashboard Design Lab
- Assembling the Dashboard Lab
 - Dashboard application structure
 - Dashboard layout
 - User Filtering Selection
 - Chart Component
 - Gauge Component
 - Map Component
 - Hoverovers