55118-A: Creating Report with SAP Crystal Reports for Developer with Visual Studio

Course outline

Module 1: Preparing Visual Studio for Reporting

This module explains how to install and configure SAP Crystal Report for Visual Studio in Visual Studio 2013 and create first report.

Lessons

- What is SAP Crystal Reports for Visual Studio
- Connecting to SQL Server data source

Lab : Preparing Visual Studio for Reporting

- Installing SAP Crystal Reports for Visual Studio
- Connecting to a SQL data source

After completing this module, students will be able to:

- Describe the key feature of SAP Crystal Reports for Visual Studio
- Describe the integration with Visual Studio 2013
- Connecting to a data source from Visual Studio

Module 2: Authoring a Report

This module explains how to create a report using core functionalities of SAP Crystal Reports for developer with Visual Studio 2013.

Lessons

- Create basic report
- Create table
- Create Chart
- Create Grouping
- Report formatting
- Use Section

Lab : Authoring a Report

- Create Basic Report

- Create Crosstab Report

After completing this module, students will be able to:

- Describe the key features for creating report with SAP Crystal Reports for developer
- Using table, chart, grouping for reporting
- Formatting a report

Module 3: Integrating Report with Applications

This module explains how to integrate report using Report Viewer with Windows, ASP.NET and WPF applications.

Lessons
- Using Web Report Viewer

Lab : Integrating Report with Applications
- Using Report Viewer in ASP.NET
- Generating Report in Code

After completing this module, students will be able to:

- Using Report Viewer
- Integrate reports with ASP.NET applications
- Integrate reports with MVC applications

Module 4: Advanced Report Authoring

This module explains how to enhance report with advanced functionalities in SAP Crystal Reports for developers and Visual Studio 2013

Lessons
- Use filtering and parameter
- Use formula fields
- Use Subreport
- Use Summary
- Use Running Total
- Use Sorting
- Use Barcode

- Using Summary and Running Total
- Using Subreport
- Using Formula
- Using Parameter and Filtering

After completing this module, students will be able to:

- Using Parameter in report authoring
- Using Drilldown in report authoring
- Using Subreport in report authoring
- Using Cross Tab in report authoring
- Using Barcode in report authoring

Module 5: Advanced Data Access

This module explains how to connect report to different kind of data source using different methods that fit the need of the applications

Lessons

- Using Dataset
- Using SQL Command
- Using LINQ
- Using Web Services
- Using Link Tables

Lab : Advanced Data Access

- Using Dataset
- Using SQL Command
- Using LINQ
- Using Link Table

After completing this module, students will be able to:

- Describe connecting report to different data sources
- Using Stored Procedure in report
- Using LINQ objects in report
- Using web services in report
- Using Link Table

Module 6: Exporting Data

This module explains how to data report to different kind of format.

- Exporting Data with Crystal Report
- Export Using Report Viewer
- Exporting with Code

Lab : Exporting Data

- Export to HTML with Options

After completing this module, students will be able to:

- Describe export report to different data sources

Module 7: Troubleshooting and Debugging Report

This module explains how to troubleshoot some of the common report authoring issues.

Lessons

- Troubleshooting Field and Text
- Troubleshooting Record Selection Formulas

Lab : Troubleshooting and Debugging Report

- Disable Field Clipping
- Enhance Formula for Selection

After completing this module, students will be able to:

- Describe common issues in report authoring