



TRAILHEAD
TECHNOLOGY PARTNERS

.NET and C# Training

Session 13

Overall Agenda

~~Session 1 – 6: Basic and Advanced C# and VS~~

~~Session 7: Classes available in .NET BCL~~

~~Session 8: Data Access Basics (ADO.NET)~~

~~Session 9 - 10: C# Advanced concepts~~

~~Session 11 – 12: Data Access with Entity Framework 6~~

Session 13 – 14: Version Control with TFVC and Git

Session 15 – 16: ASP.NET (RESTful) Web APIS

Today's Agenda

1. Review last assignments (1 hr 30 min)
2. Team Foundation Version Control (2 hr)
3. New assignment (30 min)

Review Last Assignment

Assignment 12

- Complete Assignment 11 if you haven't already (it's that important)
- Use Entity Framework (Model-First or Code-First) to create a record store inventory management system
 - Allow searching by song title, album title, album year, artist, etc
 - Allow the user to add, edit, and delete songs, artists, and albums in the database
 - Ensure duplicates records aren't created
 - Make sure new albums are associated with an existing artist if they already exist, otherwise create a new artist

Team Foundation Version Control (TFVC)

Team Foundation Server

- Self-Hosted (TFS)
- In the cloud (Azure DevOps)

TFS Supported Repositories

- Git (most common)
- TFVC (legacy)

DEMO

Connecting to a Server

DEMO

Setting up a Workspace

DEMO

Navigating Team Explorer

DEMO

Source Control Explorer

DEMO

Add Item/Folder

DEMO

Get Latest Version

DEMO

Pending Changes

DEMO

Checking In a Changeset

DEMO

[View History](#)

DEMO

[View Deleted Items](#)

DEMO

Rollback Changeset(s)

DEMO

Shelvesets

DEMO

Work Items and My Work

DEMO

Code Reviews

DEMO

Builds

DEMO

Branching and Merging

Assignment 13

- Option 1
 - Add one of your previous assignments to TFS or Azure DevOps in a TFVC repository
- Option 2
 - Break into groups of 2 or 3
 - On a meeting together, have one person create a TFVC repository in TFS or Azure DevOps
 - Practice checking in and out files, including trying the same files at the same time
 - Practice branching and merging