* Course Overview
  + Building user interfaces
  + Back-end APIs
  + OOP
  + Clean architecture and automated testing
* What You’ll Learn
* Prerequisites
  + ASP.NET MVC 5
  + Entity Framework 6
* Structure
  + Part 1 Fundamentals
  + Part 2 Advanced Topics
  + Part 3 Architecture and Testing
* Creating a Visual Studio Online
  + Download Visual Studio Online
* Setting up the Development Environment
  + Connect to team project
  + Click on ‘View’
    - ‘Team Explorer’
    - ‘Select Team Projects’
    - Select a Team Foundation Server
    - Select your project
    - Connect
  + New project
    - Web
    - ASP.NET web application
    - Select MVC
  + Version Control Systems
    - Working folder -> Commit -> Repository
    - Full history
    - Undo
    - Compare files
    - Etc
  + Plugins
    - Tools -> extensions
    - ReSharper(free 30-day trial)
    - Productivity power tools
    - Web essentials
* Introduction
* Requirements Document
  + Extracts uses cases
  + Understand high level overview of features
* Extracting the Use Cases
  + Authentication
    - Sign up
    - Login
    - Log out
    - Change password
    - Edit profile
  + Gigs
    - Add a gig
    - Upcoming gig
    - Edit a gig
    - Remove a gig
    - Etc
  + Gig Calendar
    - Add a gig to calendar
    - Remove a gig from calendar
    - View gigs I’m attending
  + Following
    - Follow an artist
    - Unfollow an artist
    - Who im’ following
    - Gig feed
* Adding Use Cases to the Backlog
* Dependency Between Use Cases
  + Unfollow artist -> follow artist -> view gigs
  + Order uses cases
    - Start with non dependent ones
* Order of Use Cases
  + Always an order to implementing use cases
* Extracting the Core Use Cases
  + Capture data and change state of application
* Introduction
* Assigning Use Cases to the Iter…
  + Core uses cases
    - Add a gig
    - All upcoming gigs
    - Add a gig to calendar
    - Follow an artist
    - View gigs I’m attending
    - Who I’m following
* Sketching a User Experience
  + Avoid perfection
  + Keep it simple
  + Gradually improve it
  + Add a gig form -> redirect -> view all upcoming gigs
* Introduction
  + Build domain mode
  + Use code first migration
* Enabling Migrations
  + Install nuget package ‘Entity Framework’
  + Add Migrations folder and files
  + Tools -> Nuget Package Manager -> Package manager console
  + Type ‘enable-migrations’
    - Run only once at beginning of project
  + Code first migrations
    - Every time we make a change to the domain model we create a migration and run it on database
    - Entity framework will update the schema of database
  + Aim for small migrations
  + Create a migrations for default domain classes
  + Type ‘add-migration [arbitrary name]’
    - Will create a migrations file in migration folder
    - Expresses in c# what tables need to be created
  + Type ‘update-database’
    - Run migration in database
* Creating Domain Classes