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What is XNA?

- Graphics and Game Development Framework
- Announced: Aug 2006
- **1.0: Dec 2006**
- 1.0 Refresh: April 2007
- **2.0:** Dec 2007
- **3.0:** Oct 2008
- 2D and 3D
- Managed DirectX
- Windows and Xbox 360
- Content Pipeline
- <u>X</u>NA's <u>Not</u> <u>A</u>cronymed



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- Extremely Comprehensive
- Free
- Easy to Use (though game programming is, in general, quite challenging)
- Development and Real-time Debugging on a Retail Xbox 360
- Casual Games
- Game Prototyping
- Access to the .NET Framework Class Libraries

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Bespoke 3D UI Framework

Namespaces:

- Bespoke.Common
 - General Utilities (not game/XNA specific)
- Bespoke.Games.Framework
 XNA utility libraries
- Bespoke.Games.Framework.Content Custom XNA Content Processors

Bespoke.Commom

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- Assert (static)
- CommandLineParser
- Library (static)
- LogManager
- Node<T> / NodeCollection <T>
- ProgressIndicator
- XmlHelper

Bespoke.Common

- J.Data
- .LinearAlgebra
- .TrackIR Requires OptiTrack software
- .Video Uses DirectShow.NET (wrapper for unmanaged DirectShow)
- Wiimote Brian Peek's Wiimote Library from Coding4Fun.com

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- TerrainContentImporter
- TerrainContentProcessor
- TerrainDataWriter
 - These classes provide a content pipeline for using a heightmap for terrain. This is used in conjunction with the TerrainComponent.

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Bespoke.Games.Framework

Actor/Actor	orList
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- DynamicActor
- DynamicActorGroup
- FontManager
- FpsComponent
- GridComponent
- PostProcessor
- ScreenCapture

- CameraComponent
- ChaseCameraComponent
- StereoscopicChaseCameraComp onent
- Sprite
- SpriteManager
- SkyBoxComponent
- SoundManager
- TerrainComponent

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How To: Draw a Reference Grid

Initialize a camera

Spring 2009

Add the following statements to the Game-derived constructor, LoadContent(), or Initialize() method:

GridComponent grid = new GridComponent(this); Components.Add(grid);

You can modify the size (number of cells), scale (spacing between each line) and the color of the grid

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Content Processor	Bespoke Software - Terrain Content Processor	
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