Rethinking Game Architecture with Immutability

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Milestone 5 Progress Summary

- Create poster
- Implement automatic synchronization error detection
 - ► For robustness, the implemented method serializes the game state and then computes a hash based on that state. These hashes can then be sent across the network and compared if they differ, then the game simulations have diverged.
- Continue work on Unity integration
 - Bug fixes and feature polish, primarily within the reflection code for the inspector logic
- Begin work on XNA/MonoGame integration
 - Basic rendering is working; bindings will be 2D only

Milestone 5 Progress Summary

- (from milestone 6) Begin work on sample game
 - ▶ Milestone 5 completed sooner than expected
 - Basic gameplay implemented
 - Could be more complicated
 - Demo running in Unity
 - http://i.imgur.com/1G9n9Uq.gif

Milestone 6

- Work on XNA/MonoGame bindings
 - Just a fully working renderer
 - ▶ No editor that would require a GUI, which is out of scope
- Game sample running in both Unity and XNA/MonoGame
 - Currently runs in Unity convert to 3D
 - Needs to run in XNA
 - (stretch) Have it be multiplayer between the two different renderers
- Write user manual and documentation
 - Guide going through the sample
 - ▶ API docs generated from extensive comments in the code base

Questions?

Thanks!