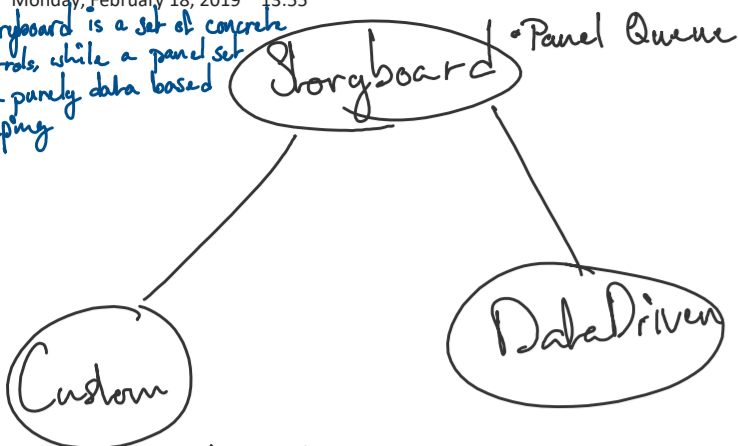


Data Driven Storyboard

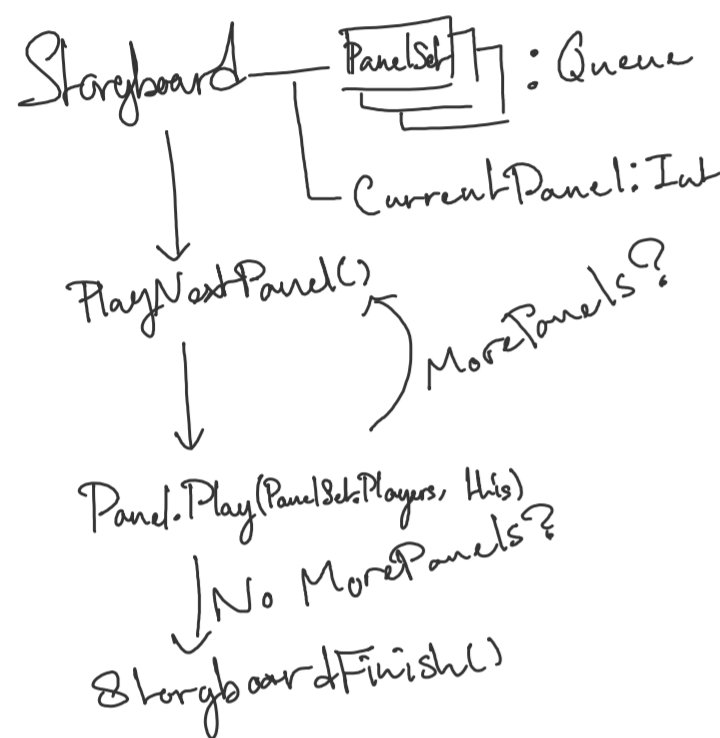
Monday, February 18, 2019 13:55

Storyboard is a set of concrete controls while a panel set is a purely data based grouping



Panel Logic

- > On First Panel
 - > Parse data
 - > Add intro to panel set queue
 - > Return next panel
- > On next panel
 - > If current set in queue has no more panel info
 - > Dequeue
 - > if current in queue is null
 - > return null
 - > Get next panel info from current set in queue
 - > Initialize panel game object from panel info
 - > Disable unused objects
 - > return panel



Branch Logic

- > On Setup
 - > For each owning player who is alive
 - > get first true condition
 - > add player to branch group
 - > Order branch groups by initiative + base order
 - > Add designated panel set to queue

Add base order to data parsing

What about death logic?

- Override/Extend HandlePlayerDeath
- Load Appropriate Death Panel Set
- Queue Immediate

Decision Logic

- > Populate DecisionControl "Decisions"
 - Decision text
 - OnClick => Add {player} to {decision} group
 - Condition
- > Add OnComplete Callback
 - => For each decision group
 - => If decision has matching PanelSet
 - => Queue Panel Set with selecting Players

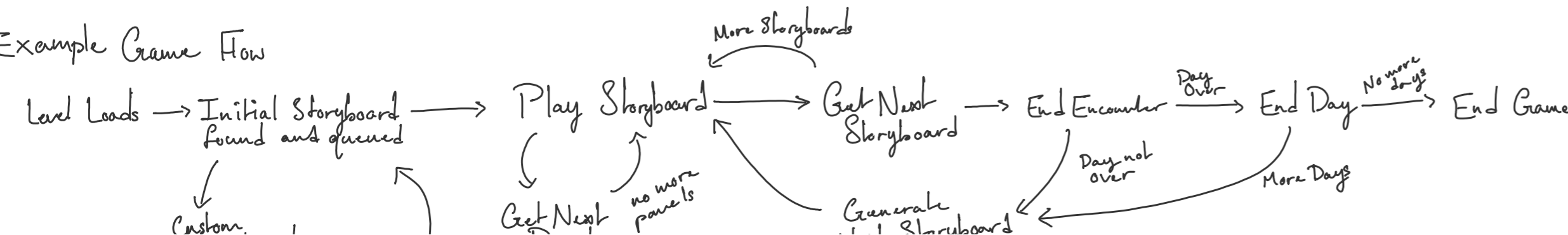
Decision control will have to be modified to remove storyboard assumption

Narration Panel

- > Populate text and owning players
- > Set timer control based on length of text

Could try normalizing for non-world text

Example Game Flow



Can Storyboard and Panel Sets be merged?

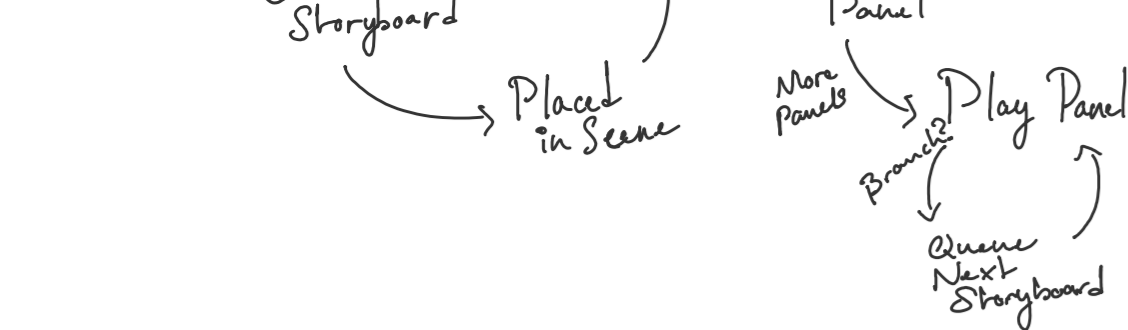
- Data Parsing and queuing could be interfaced by the main storyboard queue Singleton
- Queue Singleton could manage a single, reusable Storyboard instance. Optionally an override storyboard could be passed in as well.

? Something like StoryboardQueueEngine(data) //Overloaded

- Parse data into Storyboard Data Dictionary
- Initialize DataDrivenBoard with "Intro" Data
- Play and let be

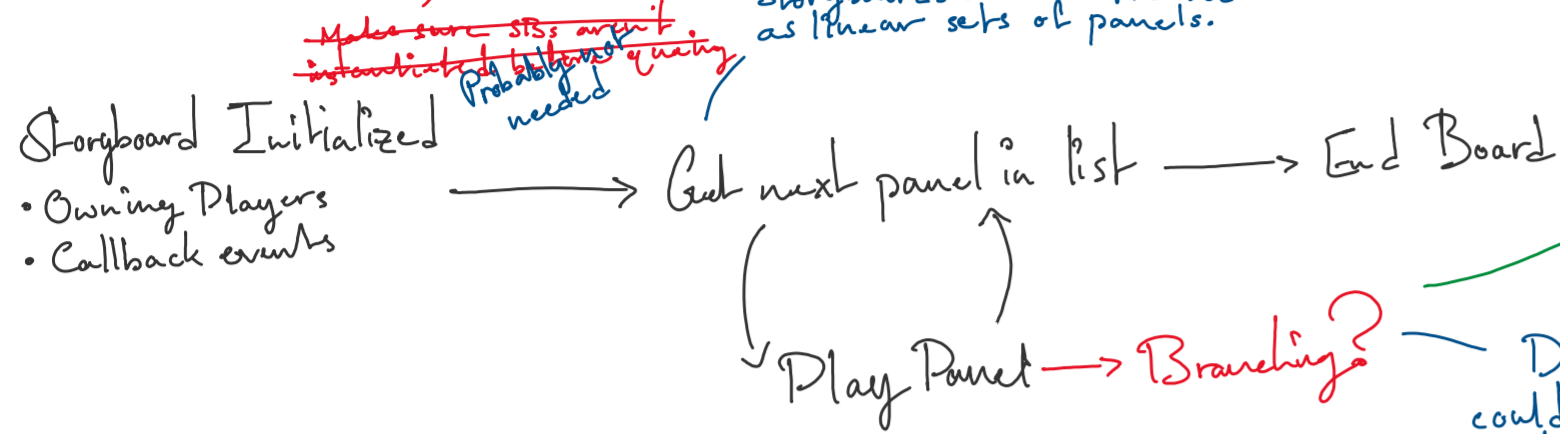
Should all controls be set up beforehand to callback? - Probably

- Kind of heavy (but not really)
- How will StoryboardData be managed?
- How do generated storyboard's tell the queue manager to use the loaded data with minimal invalidation risk or an unwieldy interface?
- Data could be loaded continuously until the encounter ends. Seems kind of wasteful, but is flexible.



Custom SB Flow

- ! Could implement path merging in SBQ. Before installing, check if SB is already queued. If so, merge player sets.
- Storyboard will be treated as linear sets of panels.



Mostly same as before, but now handled by a specialized component which is triggered by events.

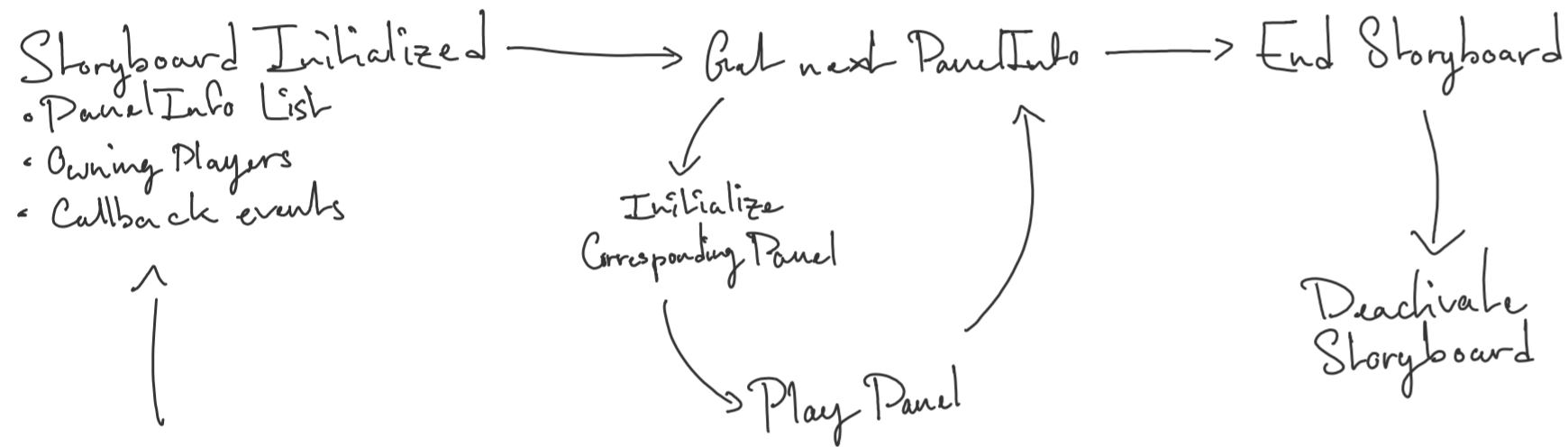
Data based storyboards could be loaded by a standalone caches which keys a set of storyboards to the name of the file they're loaded from.

It's a good idea and I like it!

could potentially standardize the interface for loading storyboard data to a URI

This would also allow for Data Driven SBs to refer to Custom ones by URL

Data Driven SB Flow



Retrieve Reusable Storyboard

Even More Detailed Flow?

StoryboardQueue.OnStart()

- ↳ Find Objects Of Type<Storyboard>()
- ↳ For each Storyboard
 - ↳ Set Owning Characters to CharacterManager.LivingPlayers
 - ↳ Disable Storyboard
 - ↳ Enqueue(Storyboard, merge=false)

StoryboardQueue.Enqueue(Storyboard, ShouldMerge?)

- ↳ If ShouldMerge?
 - ↳ Find Matching Storyboard in queue
 - ↳ If exists, merge Players with Match. Players
- ↳ Add Storyboard to Queue
- ↳ If Queue.Count == 1
 - ↳ PlayNextBoard()

StoryboardQueue.PlayNextBoard()

- ↳ If Queue.Count < 1
 - ↳ OnQueueDrained.Invoke()
 - ↳ return
- ↳ Queue.Current.OnEnd.Add => {
 - ↳ Queue.Dequeue
 - ↳ PlayNextBoard()
- ↳ Storyboard.Play()

Make an extension

Check if any other steps occur in the current queue logic. If so, loop into the Play() method

Finish this ->