Solution Answers and Documentation

Answers & Documentation

Question1.

How would you implement this scenario in a modular and generic way with seamless transitions between the scenes?

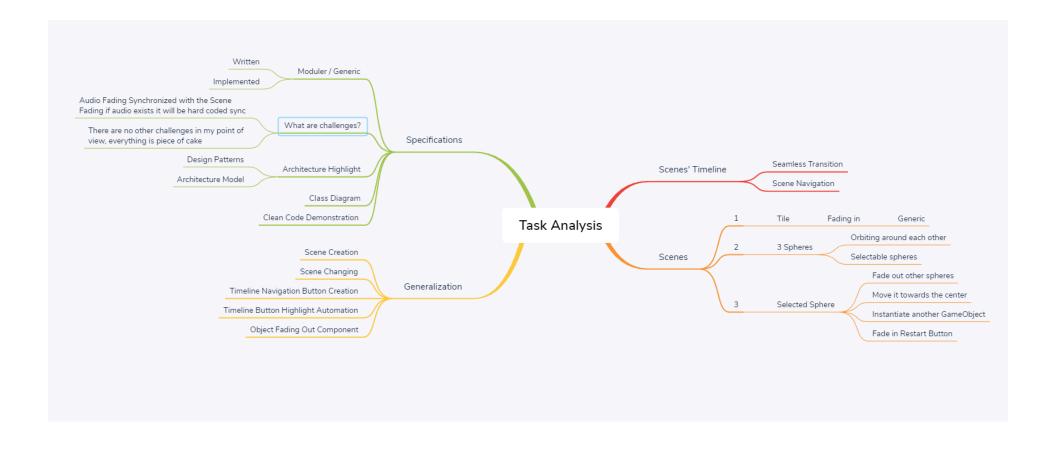
It is very simple to handle the transition between scenes with different fading out/in transitions.

I would implement it through using the animation system which is built in unity and will make a blank white/black image which will be a child of canvas that has highest layer priority on the screen that has an animator which at any time we are going to change the scene we will play the fade-out animation and wait until it finishes (fully black or white) then change the scene and at the On Loaded Scene event will play the fade-in animation of the same image. Using the same technique we can fade out specific object(s) which uses animation to fade out, but instead of changing the opacity of an image we can change the color or even the alpha of the color of the material if it was set to fade render mode.

Question2.

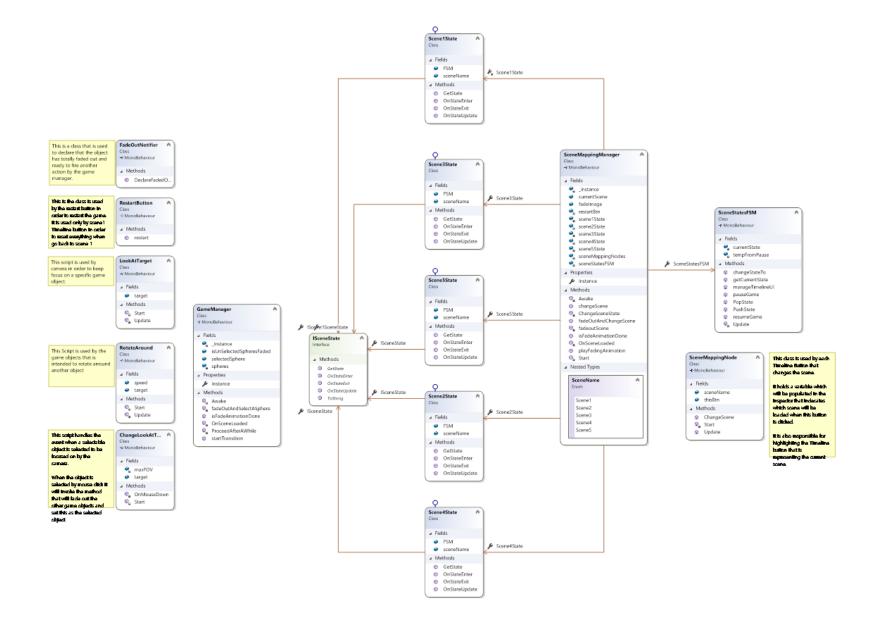
• Block out the basic architecture of your solution in code.

Task Analysis:

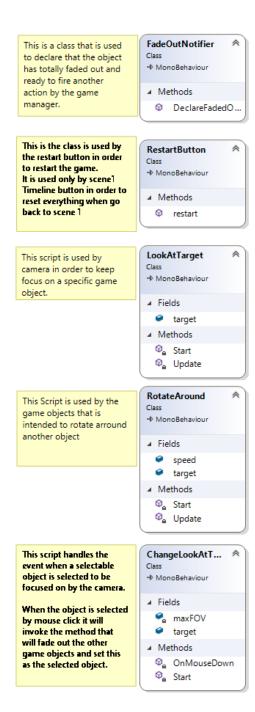


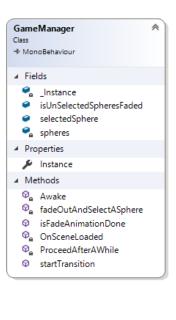
Solution Basic Architecture

An Overview:



Game Management and Decoupled Scripts:





Scene Management & Scene States Finite State Machine

