

**Build Method:**

Windows: run COMP5822M-cw1.sln with Visual Studio

## 1.2

- using two graphics pipelines (scenePipe, texturePipe)
- two buffer struct
  - 1) ColourMesh: saves the buffer for Colour only Meshes
  - 2) TextureMesh: saves the buffer for texture only Meshes
- two functions help creating the Car and City buffer
  - 1) ColourMesh createCar(ModelData const& aCar, lut::VulkanContext const& aContext, lut::Allocator const& aAllocator)
  - 2) ColourMesh createCity(ModelData const& aCity, lut::VulkanContext const& aContext, lut::Allocator const& aAllocator)
- I didn't create colour buffer to city.obj
- two descriptor layout
  - 1) sceneLayout (handle uniform buffer)
  - 2) objectLayout (handle texture)

## 1.3

- the camera is based on the learnOpenGL website
- doesn't use the glfwGetWindowUserPointer()

## 1.4

- use <vkCmdBlitImage> to generate the mipmap while loading

## 1.5

Without Anisotropic filtering



With Anisotropic filtering

