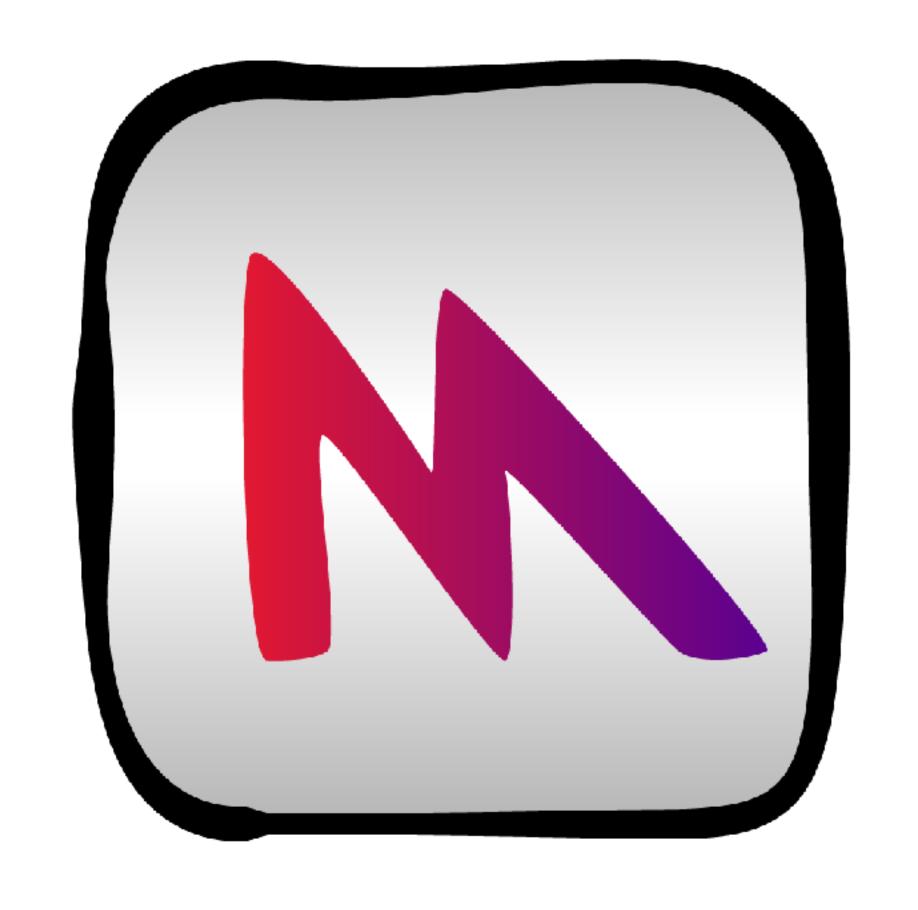
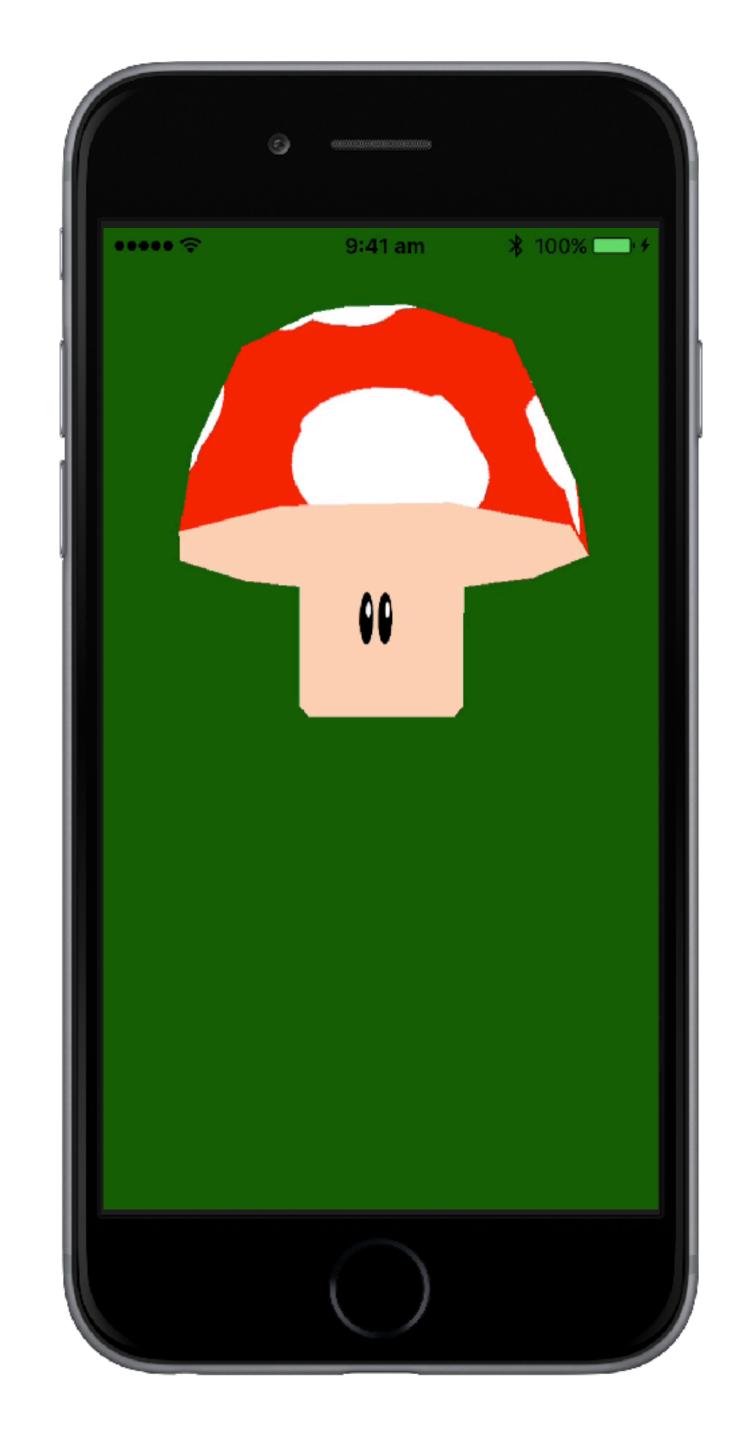
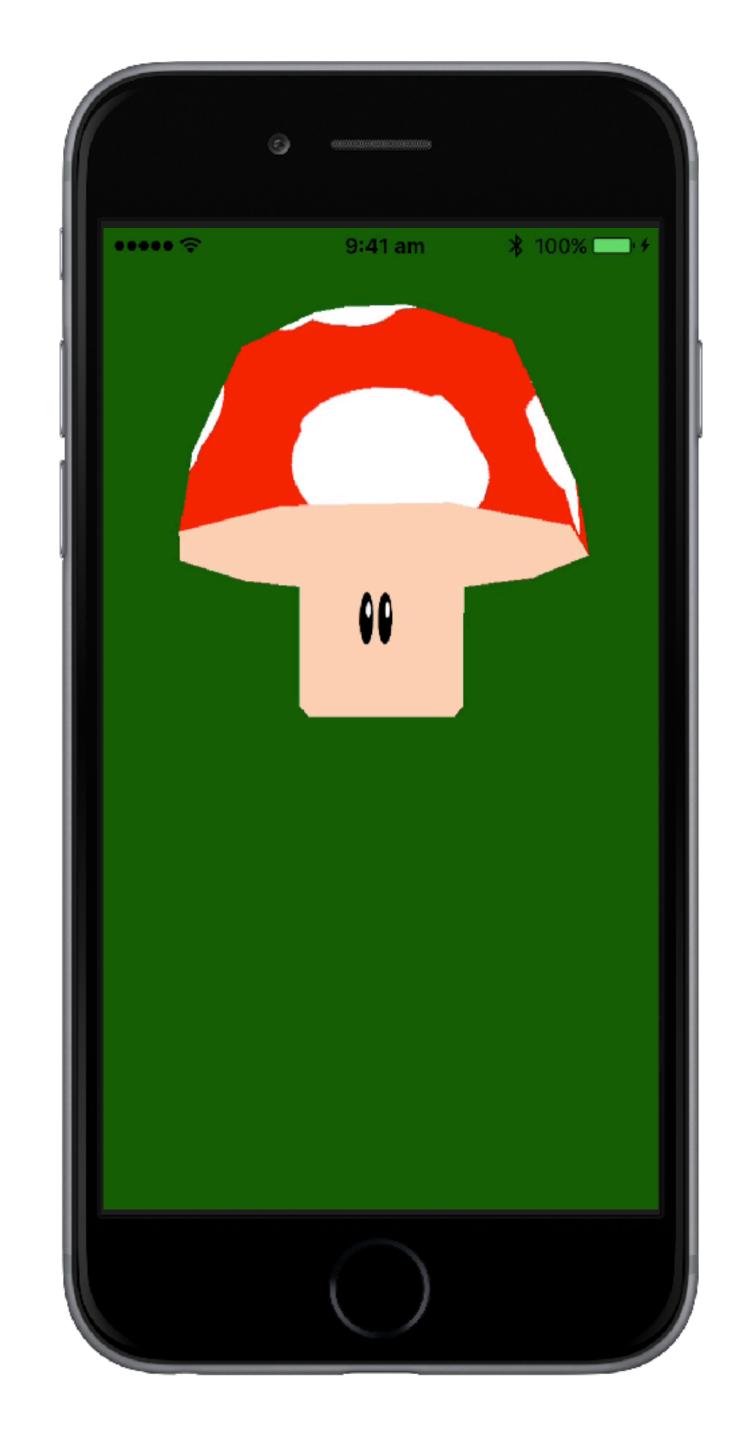
BEGINNING HE HALL



PART 9: MODEL 1/0









WAYEFRONT .OBJ FORMAT

- Blender (free)
- Cheetah 3D
- Maya
- Wings 3D (free)
- **⇔** Silo



WAYEFRONT .OBJ FORMAT

```
# WaveFront *.obj file (generated by Cheetah3D)
mtllib plane.mtl
g Plane
v - 1.500000 0.000000 - 1.500000
v - 1.500000 0.000000 1.500000
v 1.500000 0.000000 -1.500000
v 1.500000 0.000000 1.500000
vt 0.000000 1.000000
vt 1.000000 1.000000
vt 1.000000 0.000000
vt 0.000000 0.000000
vn 0.000000 1.000000 0.000000
usemtl default
f 2/4/1 4/3/1 3/2/1 1/1/1
```



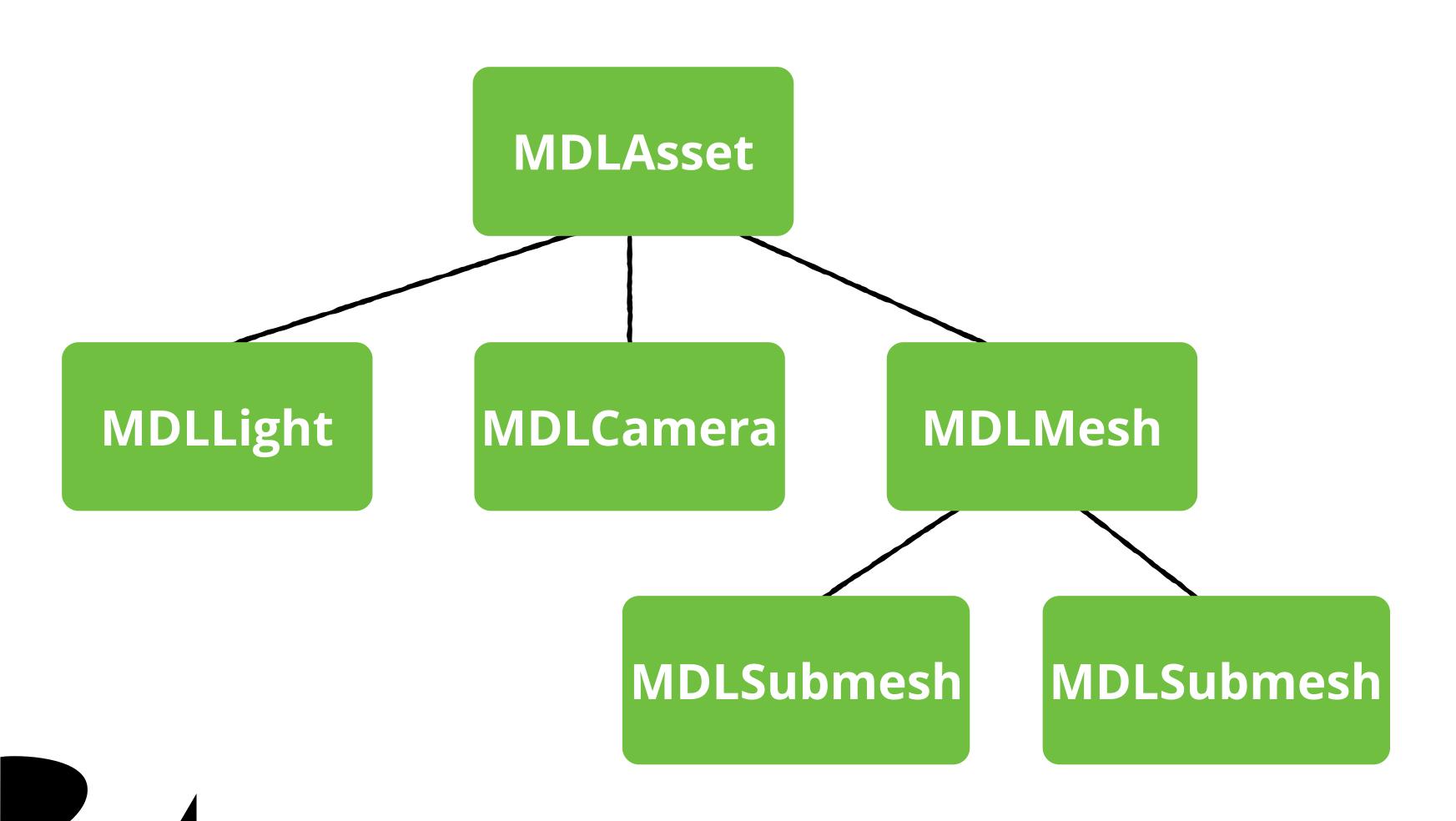
MODEL IMPORT WITH MODEL I/O

URL

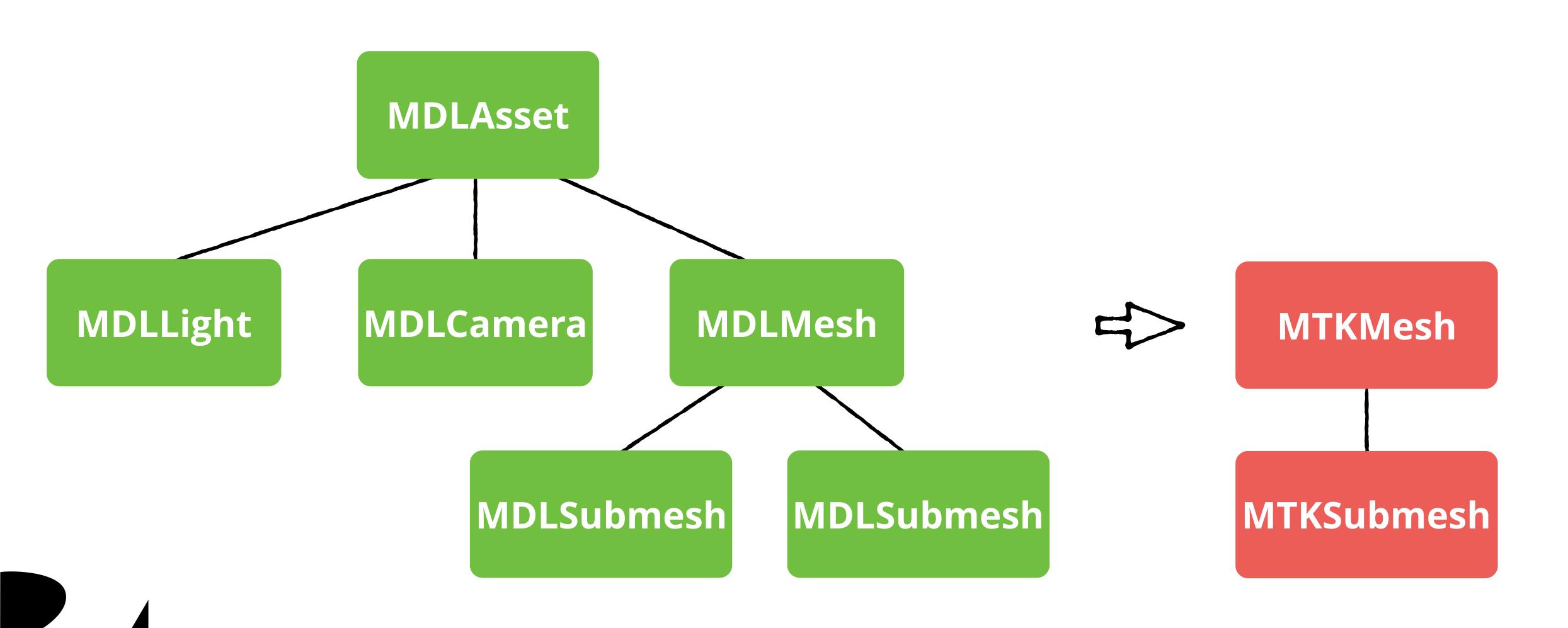
→ MDLVertexDescriptor
→ MDLAsset

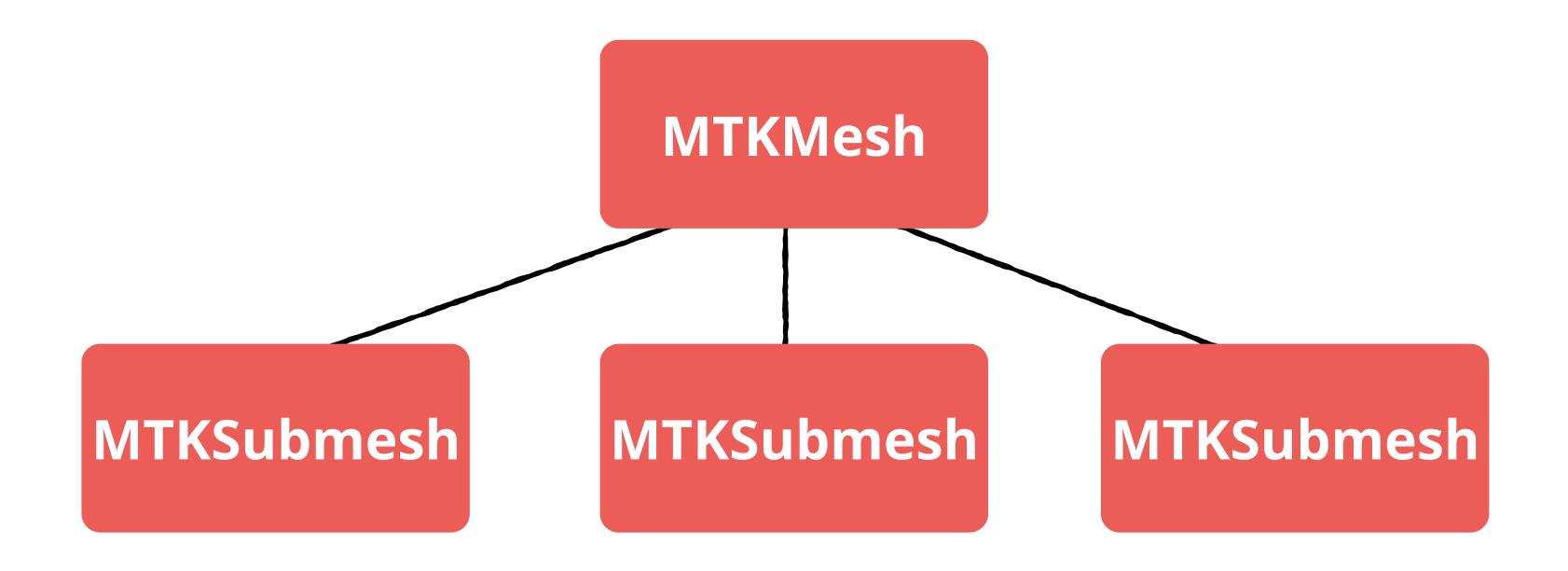


Model Import With Model I/O



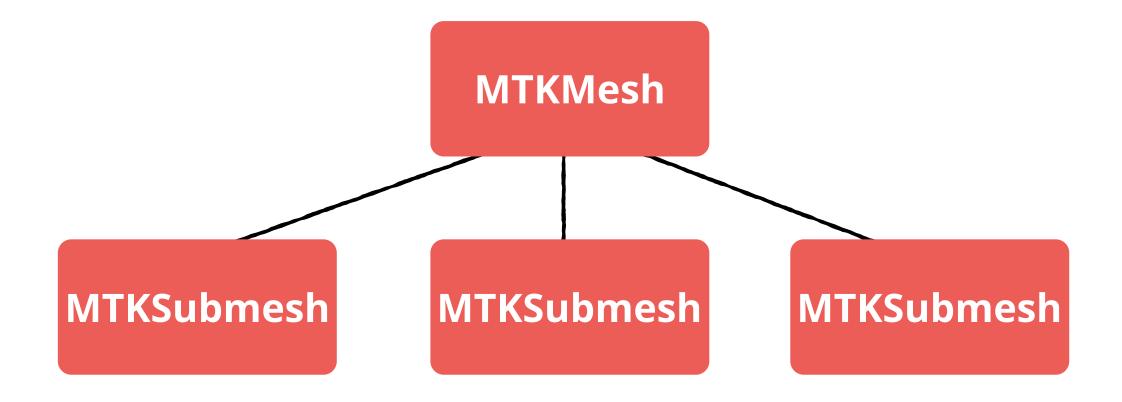
Model Import With Model I/O





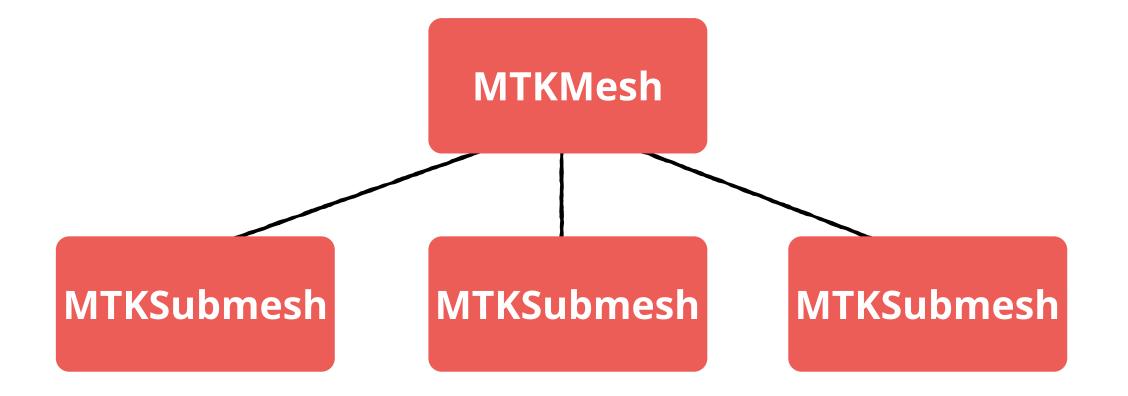


```
for mesh in meshes {
```

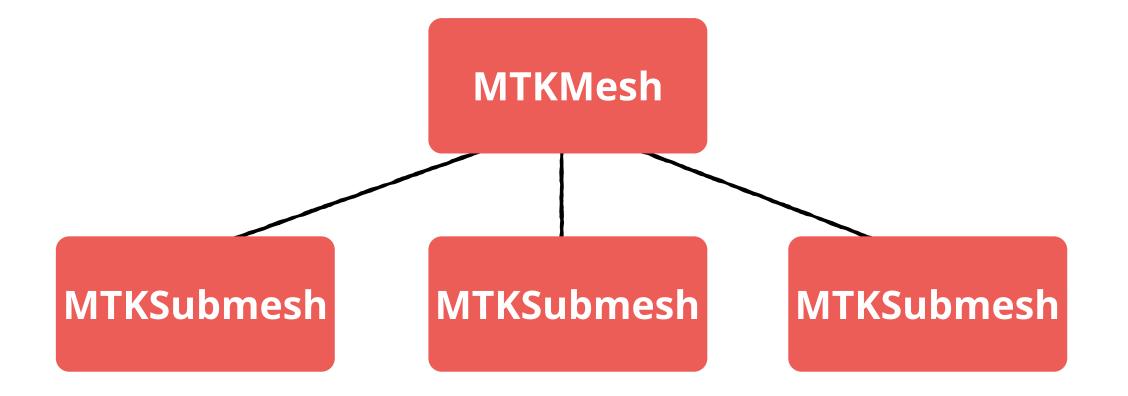




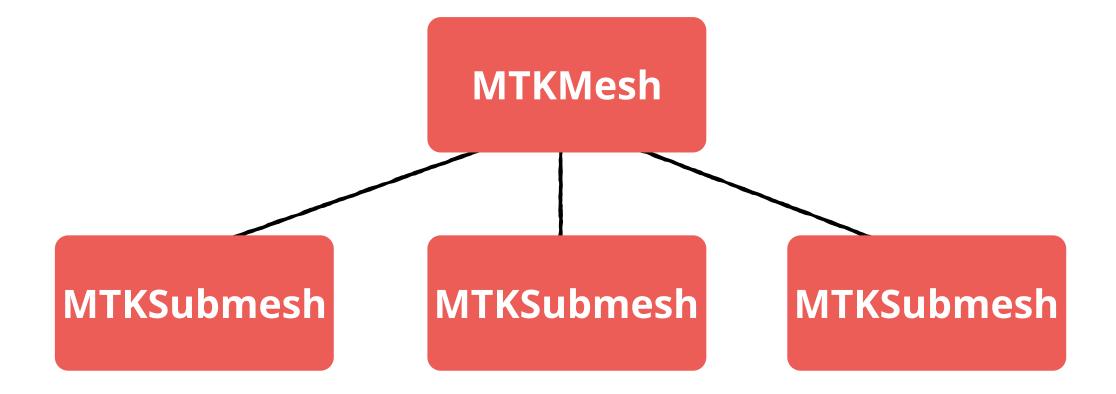
```
for mesh in meshes {
  let vertexBuffer = mesh.vertexBuffers[0]
```

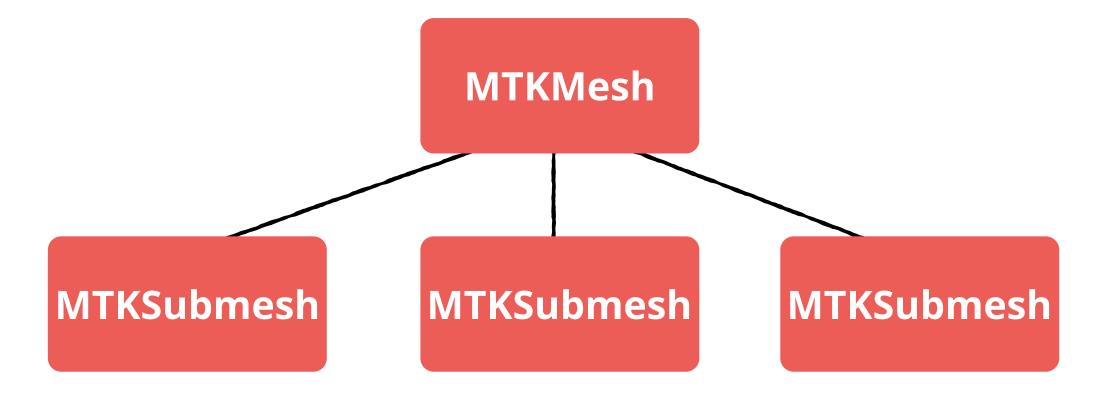


```
for mesh in meshes {
  let vertexBuffer = mesh.vertexBuffers[0]
  commandEncoder.setVertexBuffer(vertexBuffer.buffer, offset: vertexBuffer.offset, at: 0)
```

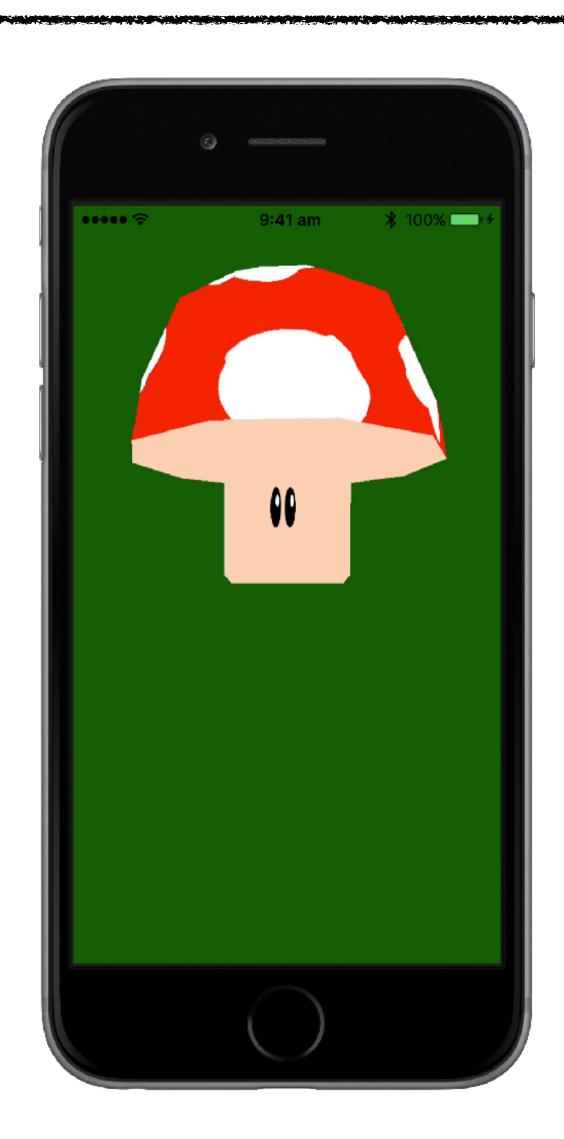


```
for mesh in meshes {
  let vertexBuffer = mesh.vertexBuffers[0]
  commandEncoder.setVertexBuffer(vertexBuffer.buffer, offset: vertexBuffer.offset, at: 0)
  for submesh in mesh.submeshes {
```



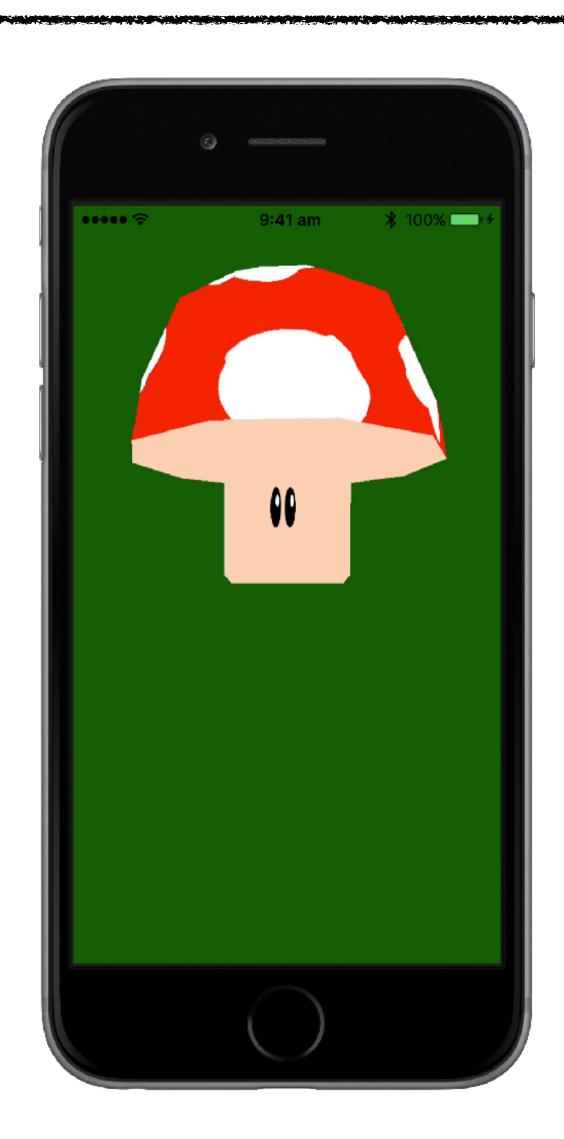


DEMO





DEMO





CHALLENGE TIME!

