**Milestone One**

Tyeika Willis

CS-330 Computational Graphics and Visualization

Professor Philip Enkema

May 19, 2024

A pink purse and a picture on a glass table

Description automatically generated

In my image on a coffee table there is a purse, a vase with flowers, a framed photo, and a decorated ceramic ball labeled “family”. The coffee table is an oval, but I believe the assignment instructions says to make it a plane. The main part of the purse is a box, and cylinders make up the handles. It is a straightforward construction that is complex enough to be interesting but achievable with basic shapes. The body of the vase is a sphere and a tapered cylinder. The flowers in the vase might be a challenge, but I think the stem is a cylinder and I can use cones as the flowers. It creates a natural complexity and variation in shapes. The frame is a box, and I can use a plane for the picture. It’s simple yet effective in conveying the object. The ball is a sphere. It’s straightforward and adds an element of simplicity and balance to the scene. These items are good choices because they represent a variety of shapes and can be broken down into basic 3D components, making them manageable yet challenging enough to demonstrate the understanding of basic 3D shapes and their assembly.