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CS 330

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1-4 Project Review

**Shapes and Image Selection**

A computer on a desk

AI-generated content may be incorrect.

For my analysis, I chose the computer screen image on a desk. To recreate this scene in 3D, I would break it down into basic shapes. The computer monitor can be built using a box for the screen and a tapered cylinder for the stand that connects to the base. The base could also use a flattened box to give it a sturdy look. The coffee mug to the right of the monitor would be modeled with a cylinder for the body and a torus for the handle. The stack of books can be represented by multiple boxes, each varying slightly in height to show depth and realism. The pen holder is also a cylinder, and the pens inside it could also be made from long, thin cylinders.

One of the more complex items in the scene is the monitor, which would require a box and a tapered cylinder to represent the screen and the supporting stand accurately. Using multiple shapes helps give it a more realistic, functional appearance.

If I needed to simplify the scene, I might remove or combine smaller objects, like the pens and pencils, into a single shape or skip the books entirely. This would still capture the essence of the workspace without overwhelming the model with too much detail.