**1. Explain which 3D shapes could be used to replicate the selected 2D image.**

**Major Objects and Corresponding 3D Shapes:**

1. Monitor: Use a Rounded Box to model the screen, reflecting its modern design with curved edges.
2. Keyboard: Create a Box with Rounded Edges to capture the sleek, contemporary appearance.
3. Mouse: Model using a Flattened Sphere for the top and a Plane for the bottom, ensuring an ergonomic shape.
4. Pencil Holder: Use a Rectangular Box with Rounded Edges for the holder and Cylinders with Cones for the pencils.
5. Coffee Mug: Construct with a Tapered Cylinder for the body and a Torus for the handle, with the top edge slightly rounded.

**2. Identify at least one object that would need multiple shapes to replicate.**

**Objects Requiring Multiple Shapes:**

* Coffee Mug: Requires a Tapered Cylinder for the body and a Torus for the handle, effectively capturing the mug’s cylindrical form and rounded handle.
* Pencil Holder: Could also be considered for multiple shapes, with the Rectangular Box forming the holder and Cylinders with Cones representing the pencils.

**3. Discuss areas where the image could be simplified in a 3D replication.**

**Simplification Strategies:**

1. Removing Objects: Omit smaller items or detailed accessories that don’t significantly impact the overall scene, focusing on the primary objects.
2. Combining Shapes: Simplify the keyboard by modeling it as a single rounded box rather than detailing each key.
3. Using a Single Plane: Represent the desk surface and background wall with a single large plane each to reduce complexity.