Lab – Research Building a Specialized Laptop

In this lab, you will use the Internet, a newspaper, or a local store to gather information about building a specialized laptop that supports hardware and software that allows a user to perform tasks that an off-the-shelf system cannot perform. Be prepared to discuss your selections.

For this lab, assume the customer's system will be compatible with the parts you order.

1. The customer runs an audio and video editing workstation to record music, create music CDs, CD labels, and to create home movies. The customer wishes to upgrade the components listed in the table.

Brand and Model Number	Features	Cost
Audio card		
Video Card		
Hard drive		
External monitors		

Provide reasons for the components purchased. How will they support the customer's needs?

2. The customer runs computer-aided design (CAD) or computer-aided manufacturing (CAM) software and wishes to upgrade the components listed in the table.

Brand and Model Number	Features	Cost
CPU		
Video Card		
RAM		

Provide reasons for the components purchased. How will they support the customer's needs?

3. The customer uses virtualization technologies to run several different operating systems to test software compatibility. The customer wishes to upgrade the components listed in the table.

Brand and Model Number	Features	Cost
RAM		
CPU		

Provide reasons for the components purchased. How will they support the customer's needs?