

Imagine: Your trio comprises the entirety of a new IT consulting firm, and you need to grow your brand. One way you plan to do this is by accruing word-of-mouth referrals. As it happens, each of you has a friend currently in need -- but you only have time to spec out a build for one...

TASK: Peruse the three use cases below and pick your favorite. Use your class jargon glossary and `pcpartpicker.com` to design a machine and price it. Design a pitch to convince your chosen user to purchase your creation. (Presentation will count for 20% of grade.)

00 . Architect

Tyrone is an architect. He is currently working with a computer that runs autoCAD 2017; however, he wants to purchase and run AutoCAD 2020.

Tyrone needs you to design a new computer to make his designs come to life.

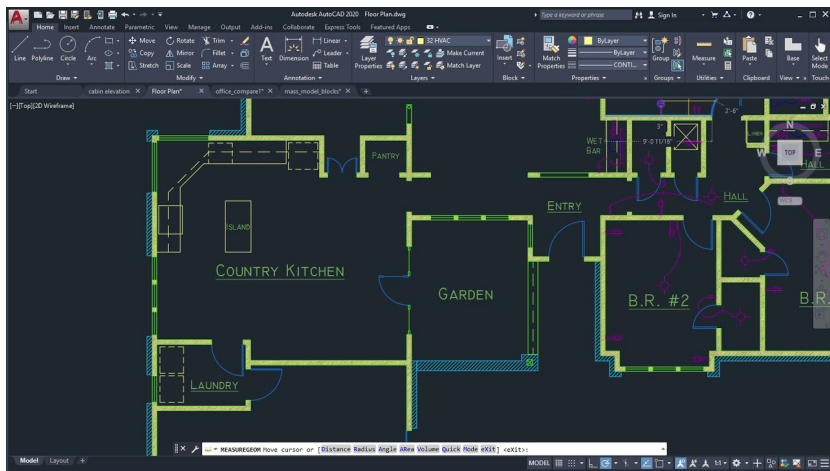
Background/Guidelines:

Making 3D Photorealistic rendering in AutoCAD2020

Access to industry-specific toolsets, including:

- 0 [Architecture](#)
- 0 [Electrical design](#)
- 0 [Map 3D](#)
- 0 [Mechanical design](#)
- 0 [MEP](#) (mechanical, electrical, and plumbing)
- 0 [Plant 3D](#), including P&ID functionality
- 0 [Raster design](#)

Tyrone does not want to spend more than \$3,000 (including peripherals, but not software)



01. Flight Simulator

Hikaru is a former pilot who spends many hours on Microsoft Flight Simulator.

She is currently running Microsoft FS2019 on her computer, but it is sloooow.

Microsoft just announced FS2020 will be released in March 2020, and Hikaru wants you to design a computer to run FS2020 seamlessly.

Background/Guidelines:

bit.ly/msfs20

Hikaru does not want to spend more than \$3000 (including peripherals, but not software)



10 . Data Processor

Count von Numbakrunch is opening a boutique hedge fund and needs a modern AIS system.

This system would prioritize data security, uptime, and reliable archiving.

You are to design a small network, including 7 terminals (hardware, software, connecting equipment).

Background/Guidelines:

bit.ly/3c5CL0L

The Count does not want to spend more than \$5,000 (including peripherals and software: accounting, security)

