SolidWorks Projects

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Learned

In the Solidworks Lab, I learned the basics of parts, assemblies, and drawings.

For making parts, I learned how to make a fully defined sketch with the many tools in sketch (line, circle, polygon, etc.). I know how to smart dimension and align points. I learned basic features techniques such as extrude boss/base, extrude cut, loft, shell, revolve, swept, fillet, and rib. I know how to make another plane. I have a basic understanding of the techniques and tools used in the

Assembling parts, I learned how to insert components; mate faces, points, etc.; and mate parts using the different types of mating. I know to check and make sure an assembly is fully defined.

Drawings, I learned how to insert a multi-view and isometric view of the part or assembly. I know how to scale the drawings so they fit onto the drawing sheet. I learned how to smart dimension manually and automatically. Also, I know how to insert text to complete the title box of the drawing.

Through the Solidworks Lab course, I was able to learn the basics of solidworks's parts, assemblies, and drawings which will be very helpful to me as an aspiring engineer.
Pencil Holder

Pencil Holder drawing