SolidWorks Personal Project Summary

ACOUSTIC GUITAR

STEP 1:

1) My solidworks design - .jpg format.
STEP 2:

- Why did you choose this particular object to model?

I like musical instruments and guitar is my personal favorite. I want to learn the guitar and I am taking a course for guitar next semester too. I am extremely happy that I made a guitar!

- What SolidWorks features did you use to complete the project (e.g., used a lofted cut to remove the interior material)? Be specific and walk through your process.

1. I used spline to sketch the body of the guitar.
2. I used boss extrude to construct the main body of the guitar.
3. I used cut extrude to make the sound hole on the body.
4. I used shell to make the guitar hollow.
5. I again used boss extrude to make the neck of the guitar.
6. I used dome to construct the top part of the head.
7. I used linear pattern for the fret.
8. I used mirror for the tuning pegs

- What was the hardest part of this model to complete?

The hardest part of was the head of the guitar which included the tuning pegs and nut because it included new features and the sketches were difficult.
o What did you learn from the SolidWorks portion of the class?

I had learned many features during class from the tutorials. The most useful features which I used in my personal project were boss extrude and cut extrude. I also knew how to use fillet.

After making my personal project I learned many new features and now I can use most of the tools and features.

Now, I feel confident about working in solid works and designing models. I can now confidently add solid works to my resume.