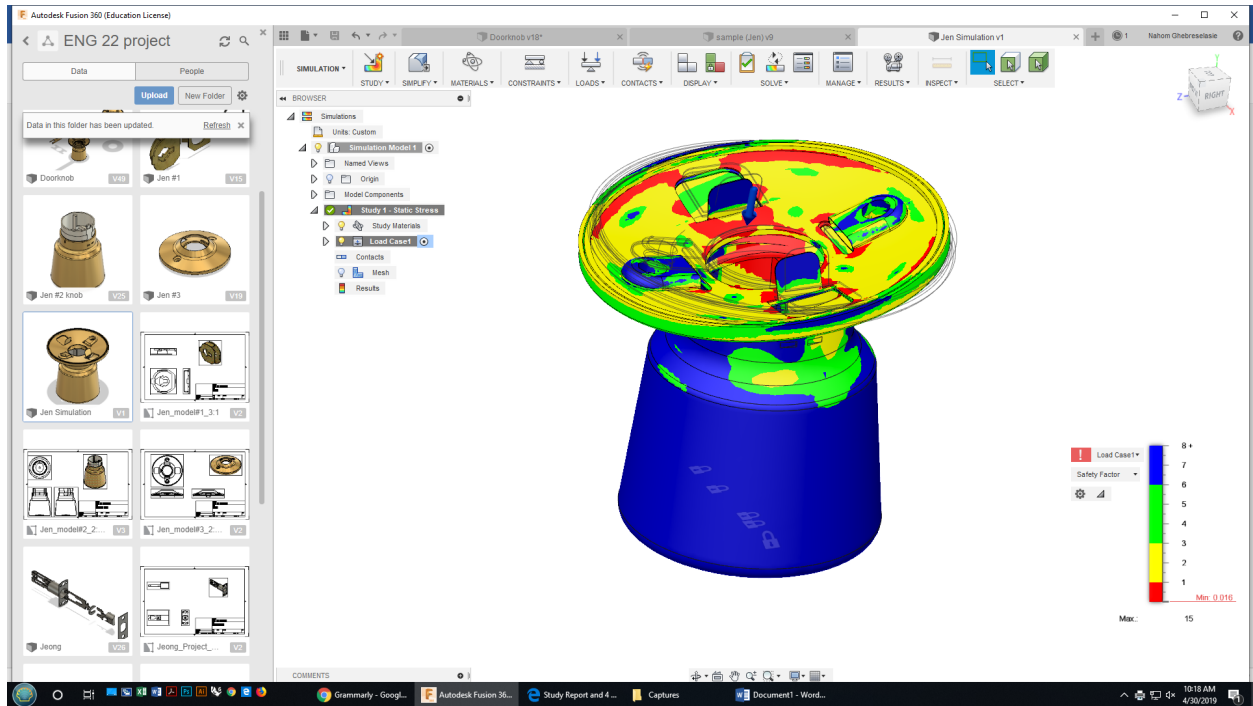Simulation2

I used 500 Newtons for this design because applying 1000 Newtons to the cam slot caused it to

bend. Even with a 500-Newton force on the door handle, the door breaks easily. Therefore, I

would design the door lock to withstand at least 2000 Newtons.