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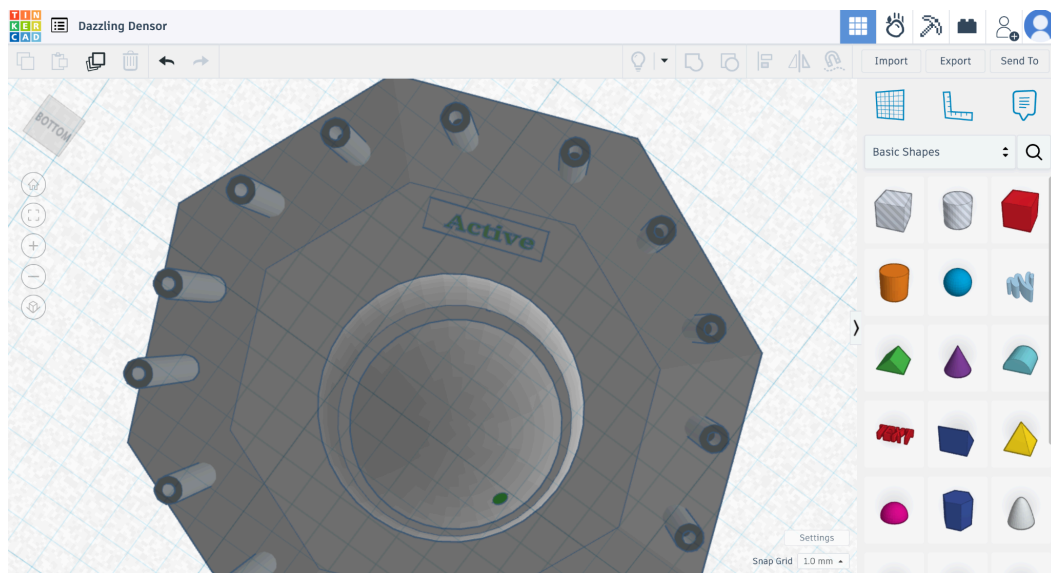
Assignment #1, ENT 3952

Due: 3/12 11:58 59 sec

I live on Long Island, New York, and in my town, normally on my block, there's at least 2 house fires every single year and almost 360,000 just in the U.S according to the websites: "The Zebra" and "Worth Insurance". When a house fire happens I always wish I could do something to help rather than sitting back and watching someone's life get ruined. This first assignment is perfect for me and exploring my ideas. I've always wondered why there are no home water propelling smoke alarms. They have the water sprinkler systems in schools, warehouses and just overall bigger buildings but I have never seen an affordable system for a home someone can just buy online. For the ones in schools and warehouses those systems are huge and some have hundreds of sprinklers set up which is not affordable or doable for a home. For someone's home I have constructed an affordable, simple and effective combined smoke detector and sprinkler to help battle the problem of housefires. This device I have created is ultimately meant to fight and hold off the fire in fire prone places (like the Kitchen) until the firemen arrive. On average, according to DC.gov, it takes five minutes and twenty seconds for firemen to arrive. This device is meant to battle and hold off the fire for those 5 minutes until they arrive. A fire can also only take two minutes before it becomes deadly, so those crucial five minutes can truly make a difference. I also tried to come up with different solutions of trying to solve the problem of house fires and nothing else truly came to mind.

For this product, my target user is everyone, or if I had to narrow it down, people who have a fear of fires. I have ultimately come up with this product off of that fear. My product

subsidies that fear with such an easy process that will leave the consumer stress free. This product is practical because it does its purpose which is fighting fires until firemen can arrive while also sending the initial alert that a smoke alarm does. It's innovative in that it's the first in-home smoke detector that can also fight fires. The rubber hoses that run through the smoke detector from a connecting water source are flimsy, in a good way. They're flimsy so the water gets sprayed everywhere, kind of like an un handled water hose. Also if the water supply gets cut off there is fire extinguisher fluid stored in the device that will work as long as it says active on the device as shown below.



This innovative addition to the smoke detector will help fight off fires until the Heros arrive. I searched on amazon for something like this and nothing came up besides regular smoke detectors or long life smoke detectors, which was not surprising. I also searched on ali baba and the same products came up, thanks Amazon FBA. There were also smoke detectors that had hidden cameras in them. I don't know how that can fight fires but it definitely can start them. These products on amazon and alibaba are the ones we all have at home that everyone turns off because they wont stop beeping when the batteries are low. Overall, I've created something I believe is

unique and special: a smoke detector that also sprays water to fight fires at home. It's affordable, easy to use, and should do a good job in giving people peace of mind while waiting for firefighters. This device steps up where regular smoke alarms fall short, offering a smart way to stay safe from fires in our homes.

