

Element L: Presentation of designer's recommendations

Looking ahead, if we had more time we would have done several things different. First, we would have surveyed several more crutch users. We were very limited on time and we had to finish the problem justification within two days. Finding crutch users would have been a long process. We would've most likely contacted a physical therapist and ask them how we could have contacted crutch users.

We also would've liked to spend more time adjusting the prototype within Autodesk Inventor. We would've liked to run some analysis tests and minimize the amount of material used. We would've liked to find the stress acting on the crutch beverage holder if it was dropped from 3 feet. This information would've helped us to determine the amount of material needed to make our prototype and still withstand the force from being dropped.

We would've also liked to conduct more tests on our prototype. The 3 tests we conducted were all based on the first design specification. If we had more time, we would've conducted more tests that were based on the other design specifications. We also would've read more patent claims to make sure that we were not violating any of their inventions. We would've also made our device with two axes. This would've allowed a crutch user to flare their crutches out and prevent any liquid spills.
