The Senior-Bot

Our vision is to make sure that all seniors have the love, care, and company they need. This is important because seniors are in need of help and are important in our society. We want to do all we can to help them. The Senior-Bot can do many things like help you up and down the stairs, help you eat healthier, talk to you, and comfort you. The Senior-Bot will help you wherever you are and whenever you need it.
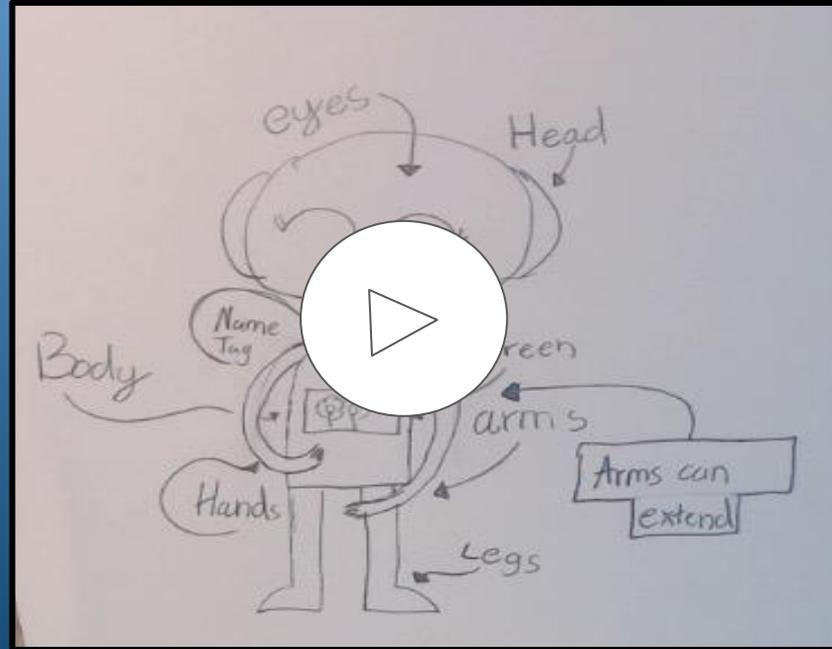
This page features a video of our vision. Click on the video to watch it. When you click on sources a page will open with all our sources.

The Senior-Bot

Present technology exists today for seniors but we want to combine all of them into one Senior-Bot!

An Alexa is a device that you ask it a question and it tells you the answer it can also set timers.

The GrandPad is a iPad for seniors to use a device easier.

The tile is a device that you put on something and help you keep track of it!

These are hearing aids they help people who are hard of hearing hear better.

This page would scroll with more pictures of existing technologies that help seniors. Click on the pictures to learn more about the technologies and see them in action!

The Senior-Bot

Click on our Senior-Bot to see the robot in action and learn more about it.

The Senior-Bot is designed to help others. It can do chores, like get the mail, order online, clean the house, and take care of pets. It also keeps an online journal of the senior so the doctor can see how the patient is doing.
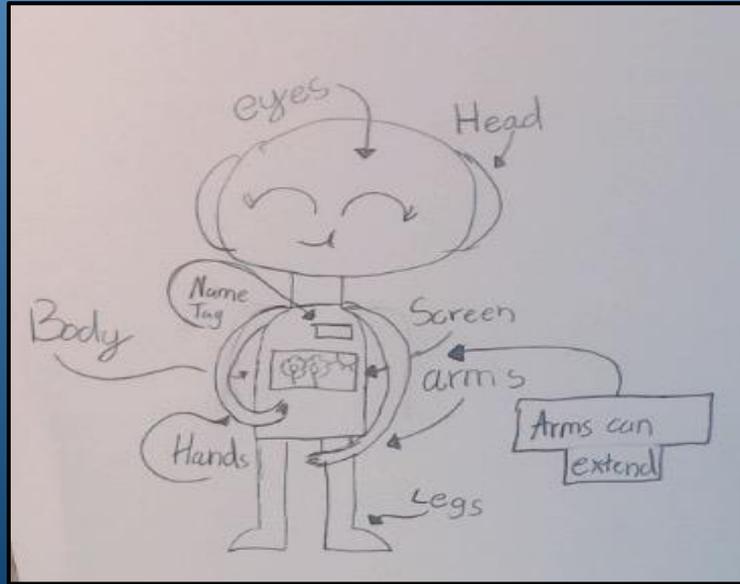
Click to learn more about the Robot's Technology.

Control System

Robot Body and Manipulators
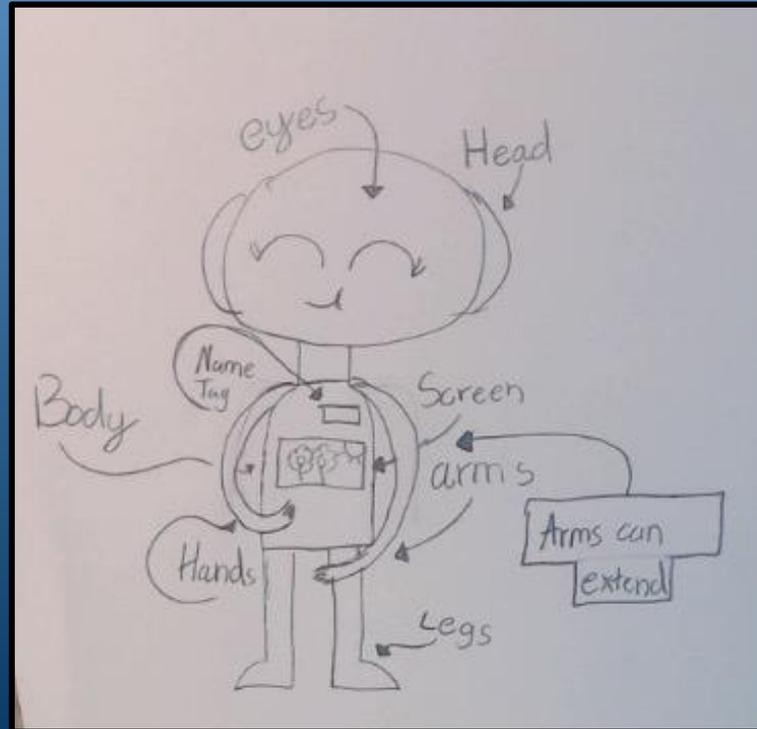
Artificial Intelligence

The Senior-Bot

This is breakthroughs it is what we need to make this robot a reality!

The advancements we need are in artificial intelligence program. Another advancement we need is the hand because it needs to be comforting but reliable and it also needs to be flexible like a human. The way we would test it is giving it a simple task such as unloading a dishwasher or putting the groceries away. If it doesn't break a plate or jam everything in one cabinet then it will be ready. We could also bring in seniors to help test it. They can give us feedback, and we could make changes based on their feedback.

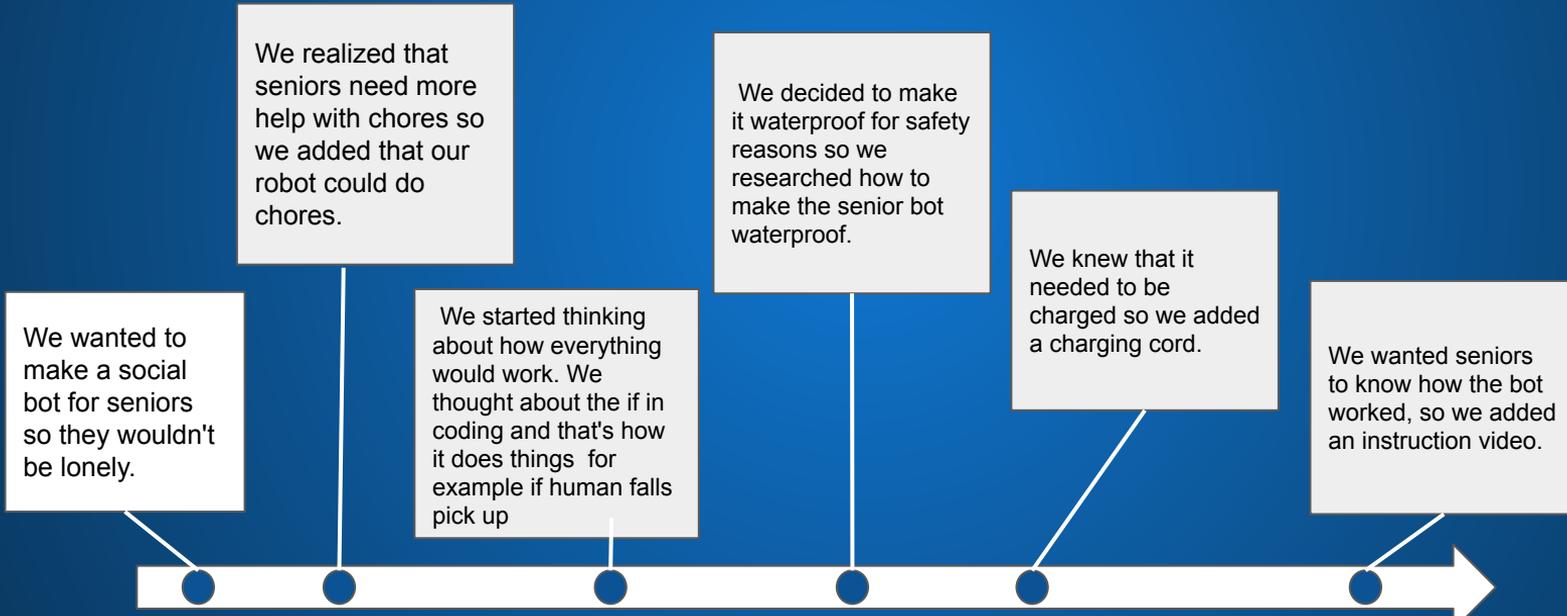Click on the our robot and see how our robot performs different tests!

The Senior-Bot

This is our design process and how we learned and added to our design.

We realized that seniors need more help with chores so we added that our robot could do chores.

We decided to make it waterproof for safety reasons so we researched how to make the senior bot waterproof.

We knew that it needed to be charged so we added a charging cord.

We wanted to make a social bot for seniors so they wouldn't be lonely.

We started thinking about how everything would work. We thought about the if in coding and that's how it does things for example if human falls pick up

We wanted seniors to know how the bot worked, so we added an instruction video.

When a circle on the timeline is clicked, the attached text and/or photo will enlarge. To exit back to this page, click the "x" on the corner of the text.