Passive Motion Chair

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Motivation and Goal

- Currently, there is no device that allows a person to receive passive motion treatment in a comfortable setting that can be incorporated into the person’s current lifestyle.
- The goal of this project is to create a passive motion chair that allows for a person to sit in the chair with a footstand and select a setting and amount of time.
- The chair foot stand would then go through a series of motions that are beneficial for many different conditions, such as surgery recovery, athletic injuries, muscle pain, arthritis, etc.
- This chair would look similar to a La-Z-Boy reclining chair and fit into someone’s everyday life.
Approach

- We would like to build a chair capable of passive motion movement. This will involve incorporating our design into a chair that has the ability to interface with a touch screen on the device and through a smart phone application.
Why do we need a CSE major?

- We will be programming the chair with a variety of settings that allow a person to customize the motion to their individual needs.
- We would also like to develop an app that can interface with the device, control the chair, and see statistics.
- **We would like a CSE major to help with the development of an app to interface with the chair as well as programming for the various settings that the chair will feature.**
Group Contact

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