Project Overview

Overview
Quality of Life Plus, a national organization that aids and improves the lives of veterans sponsored our team. Team Handlebar Heroes were asked to design and manufacture bicycle handlebars for a bilateral amputee user.

Design Requirements
- Adjustable
- Portable
- Easy for user to hook in and out of
- Compatible with current prosthetic set up
- Attachment for armrests
- User friendly

Design

Solid Model

Fabrication & Assembly

Prosthetic Ring Attachment

Structure Assembly

Meet the Team

Olivia Di Santo
Supply Chain Manager

Christian Mercado
Manufacturing Lead

Jacob Dayton
Design Lead

Matthew Buoncristiani
Project Manager

Analysis

FOS at least 2 throughout