Objective:
To design an automated warehouse storage and retrieval system with a user interface capable of transporting objects commonly stocked in small warehouses.

Solution:
Using a Xilinx FPGA development board programmed with an open source core written in VHDL, run a Robotic Device down a track to assigned locations to deposit and retrieve stocked items. This will be controlled by a Host PC.

Team (All EE): David VandeBunte, Matt Lubbers, Ryan Mejeur, Dave VanKampen

Design Elements:
- Controller Board
- Power Supply Board
- Track and Wheels
- Motor Mounting
- Elevator Left
- Extension Arm
- Pressure Sensing Hand
- Host PC