The following are specifications for each of the devices to be created for Joey Toce’s use:

**Adapted Hungry, Hungry Hippos Game**

**Operational Specifications:**

The device will be compatible with the Hungry, Hungry Hippos game, and will allow for complete operation of the board game using limited muscle control. The device should also be removable from the game and be able to work with any of the four player positions.

**Technical Specifications:**

- **Physical:** Plastic outer covering for device
- **Mechanical:**
  - Manual required force: 40 grams (jelly-bean button)
  - Mode of Operation: Motor
- **Electrical:**
  - Input Voltage: 7.2 Volts (rechargeable battery)
  - Battery Life: about 40 hours
- **Environmental:**
  - Operating Environment: indoors on flat surface
  - Operating Temperature: 68-100 °F

**Safety:** Keep fingers away from moving parts of device in order to prevent any minor injury.

**Maintenance:** Proper storage and operation of the device

**Control Panel**

**Operational Specifications:**

The control panel will include switches which will have the function of controlling a DVD and CD player and a light. There will be switches for each device’s ON/OFF function, and a switch each for the PLAY and STOP functions for the DVD and CD players. The device will be portable.
Technical Specifications:

Physical: Plastic outer covering for device

Mechanical:
Manual required force: 40 grams (jelly-bean button)

Electrical:
Maximum input voltage: 7.2 Volts (rechargeable battery)
Battery Life: about 40 hours
Wireless:
Frequency: 50-150 MHz
Range: 30-100 ft
Protocol: Radio Waves or Bluetooth

Environmental:
Operating Environment: indoors
Operating Temperature: 68-100 °F

Adapted Sled

Operational Specifications:
The sled must be safe which means that Joey needs to be secured while riding in the sled. He needs to have something between his legs, a harness or chest strap, and a head support to keep him safely secured in the sled. The sled needs to be structurally stable, minimizing the risk of tipping over. Finally, there will be a rope attached to the front of the sled so that Joey can be pulled around in the sled.

Technical Specifications:

Physical:
Sled and Seat: Plastic
Harness: Seatbelt webbing
Bolts: Stainless steel

Mechanical:
Size: 5 x 2 x 0.5 feet (L x W x H)
Weight: 15 pounds (lbs)
**Environmental:**

Operating Temperature: 32 °F or below  
Operating Environment: outside on snow  

**Safety:**

Adult supervision is required when using this product. Injury can occur from sledding down steep or uneven terrain as there is no brake on this product.

**Maintenance:**

No maintenance is required.