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Value Proposition: Create a minimalistic, low cost, customizable orthosis for a paralyzed individual in order to enable the user to interact with every day objects by gripping them.

**See Gantt Chart for Overall Plan**

Budget:

|  |  |  |
| --- | --- | --- |
| Item | Cost | Source |
| Prototyping Materials | $150 | CoMotion, Amazon, Store |
| Arduino |  |  |
| Electrical Wire |  |  |
| EMG Sensor | $25 for pack of 50 |  |
| Motor | $10 |  |
| Delrin |  |  |
| PLA |  |  |
| Potentiometer |  |  |

Overall Plan (rough):

|  |  |
| --- | --- |
| Week | Tasks |
| 4 | * Meet with mentors * Start prototyping * Write plan and budget * Order supplies * Get signal processing control logic done * Get EMG Sensor data working * Test on Eric |
| 5 | * Continue prototyping * Test on Eric * Get Muscle placement for Eric * Documentation continues |
| 6 | * Continue prototyping, more iterations * System Integration * Fallback option if necessary * Continue testing on Eric (ask for feedback) |
| 7 | * Finalize system integration * Work on Presentation/Pitch |
| 8-10 | * Work on Presentation/Pitch more * Finalize product |