GAIT TRAINER WITH TREADMILL

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Date: October 10, 2024 to October 17, 2024

Problem Statement

Gait trainers are used to assist and support those who have issues with significant mobility impairments. In the winter, it is difficult to utilize the gait trainer outside. Due to the lack of access, users may suffer significant damage to physical and mental health. Utilizing a treadmill during the imperfect weather conditions would allow for increased mobility and less drastic damages to the overall health of the client. Creating a system to allow this will provide the fix needed for the client to use her gait trainer while on the treadmill.

Brief Status Update

The team finished the preliminary report this past week. The preliminary report discussed the in depth plans for fabrication and our chosen design. The team additionally met this week to discuss moving forward and the next steps.

Summary of Weekly Team Member Design Accomplishments

- Team -
 - Preliminary report
 - o Research
 - Order Materials
- Meghan Kaminski -
 - Create the progress report
 - o Individual materials research
 - Create a time to meet with the team
- Belle Counts -
 - Met with team to discuss next steps
 - Continued research on materials
 - Began creating fabrication plan for prototype
 - o Did research on UW makerspace tools & materials
- Jacki Szelagowski -

- Met with team
- o Individual materials research
- Set up zoom meeting with client
- Kalob Kimmel
 - o Update website
 - o Individual research
 - Meeting with team
- Navya Jain
 - o Discussed next steps for our project
 - o Continued Researching Materials
 - Began discussing prototype for show-and-tell

Team Member	Tasks (brief)	Weekly Time	Total time to date	
TEAM	Preliminary report, preliminary presentation, research	3 hrs	14.5 hrs	
Meghan Kaminski	Practice preliminary presentation, preliminary report	5 hrs	27 hrs	
Belle Counts	practice preliminary presentation, research on materials, preliminary report work	5 hrs	27 hrs	
Jacki Szelagowski	Preliminary report work, research of materials and testing	5 hrs	25 hours	
Kalob Kimmel	Preliminary report, research practice preliminary presentation	3 hrs	23hrs	
Navya Jain	worked on preliminary report, worked on material research	4hrs	22hrs	
		Total	hrs	

Weekly/Ongoing Difficulties

- The team is having trouble deciding which method to use for ordering materials. We can either go directly through the client or order them ourselves and get reimbursed at the end of the semester.
- The team is having trouble finding time to meet outside of the two hour block period. If there

continues to be an issue of time, the team will utilize the extra thirty minutes left after the advising meeting to collaborate.

Upcoming Team and Individual Goals

- Team
 - o Begin Fabrication
 - Order materials
 - o Prepare for show and tell
 - Meet with client to discuss updates
- Meghan Kaminski
 - o Continue research
 - Look over the materials and finalize order
 - Attend meeting with client and lead the conversation
 - Look at preliminary report once graded to see ways we can improve
- Belle Counts -
 - Continue researching materials
 - Order materials
 - Begin creating prototype for Show and Tell
 - Meet with client to update her on what our plans are
- Jacki Szelagowski -
 - Share materials research with group
 - o Finalize material order
 - Meet with client to check in and go over everything
- Kalob Kimmel -
 - Begin show and tell prototyping
 - o Continue individual research
 - Continue updating website
- Navya Jain
 - o Continue materials research
 - Order materials
 - Design prototype for show-and-tell

Project Timeline

Project Goal	Deadline	Team Assigned	Progress	Date Completed
Contact Client and Meet	9/12/24	All	100%	9/12/24
Research	9/20/24	All	N/A	N/A
Create PDS	9/20/24	All	100%	9/20/24
3 Preliminary Designs	9/27/24	All	100%	N/A

Preliminary Presentations	10/4/24	All	100%	N/A
Preliminary Deliverables	10/9/24	All	100%	N/A
Order Materials		All	N/A	N/A
Fabricate		All	N/A	N/A
Show & Tell	11/1/24	All	N/A	N/A
Final Poster Presentations	12/6/24	All	N/A	N/A
Final Deliverables	12/11/24	All	N/A	N/A

Expenses

Item	Description	Manufacturer	Part Number	Date		Cost Each	Total	Link
Component 1								
N/A								
Component 2								
N/A								