

Elevator Controller for Individual with MS

Client:

Dr. John Fleming

Team Members:

Ashley Matsick (Co-Leader)

Sara Karle (Co-Leader)

Michele Lorenz (Communicator)

Peter Strohm (BWIG)

Alison Boumeester (BSAC)

September 7-14, 2006

Problem Statement:

Our project involves the integration of controls into a device capable of covering the distance from a wheelchair to an elevator call button in the x, y and z directions, then exerting a horizontal force sufficient to successfully push the call buttons in both the standard elevator car and the corresponding hallway. The controls to be integrated must be operable by stimulus generated by movement no lower than the user's neck.

Last Week's Goals:

- Choose individual roles within team
- Establish contact with client, meet to discuss any additional requirements of the project or other necessary information
- Begin brainstorming individually

Summary of Accomplishments:

- Ashley, Sara, Peter, and Alison met on Friday to divide up member roles and discuss goals for the project. New members Peter and Alison were introduced to the project and the work previously completed.
- Michele emailed Dr. Fleming to update him on the project and outline goals for the semester.

This Week's Goals:

- Meet on Friday to determine a regular weekly meeting time, discuss the constraints of the project and begin researching/brainstorming.
- If necessary, set a meeting with the client to discuss any potential changes in the project from last semester.

Project Difficulties:

No difficulties to date.

Activities:

<u>Date</u>	<u>Person/Group</u>	<u>Activity</u>	<u>Time Spent</u>
01.20.2006	Team	Class time – set up roles, established weekly availability	1.50 hr
01.22.2006	Michele	Email to Dr. Fleming	0.25 hr
01.26.2006	Ashley	Progress report	0.50 hr