

Handicap Accessible Bicycle

Client: Ted Elias

Advisor: John Puccinelli

Team: Morgan Kemp mrkemp@wisc.edu (Team Leader)
Tianna Garcia tngarcia@wisc.edu (Communicator)
Shelby Mochal smochal2@wisc.edu (BPAG)
Emmy Russell (BWIG and BSAC)

Date: 1/20/17-1/26/17

Problem Statement

The current options for a disabled adult to participate in a fun task such as going for a bike ride are very limited in availability and price. The current market also does not provide multiple options to fit the needs of a traumatic brain injury (TBI) patient and their limited mobility. Not only is our client's wife recovering from a TBI, but also a mother who would very much enjoy going for simple bike ride. By creating a new bike "sidecar" custom to the needs and capabilities of the client's wife and with cost of around \$500, more family activities can be a part of our client's life.

Last Week's Goals

- To establish the new team

Summary of Team Role Accomplishments

- Team Leader, Morgan: Created Weekly agenda
- Communicator, Tianna: Contacted client/ME team
- BPAG, Shelby:
- BWIG, BSAC Emmy: Will attend upcoming BSAC kickoff meeting, Updated website with project description, team roles and photo, and progress report

Summary of Design Accomplishments

- This week we met with our clients to show them last semester's prototype and discuss desired future work for this semester. We agreed that the main design elements we will focus on will be the attachment of the trailer to the bike and the accessibility of the trailer so that the client may safely enter and exit.

Activities

Date	Person	Task	Time(hrs)	Weekly Total	Semester Total
1/22/17	Morgan	Created Agenda	.25	1.25	1.25
1/26/17		Research	1		
1/21/17	Tianna	Contacted client	0.25		1.5
1/21/17		Contacted ME team	0.25		
1/25/17		Accessory research	1		
12/2/16	Shelby	Foot trays Research	1	1	1
1/21/17	Emmy	Read past work from last semester	1	2	2
1/21/17		Researched shock absorbance	0.5		
1/25/17		Welding Quiz	0.5		
1/22/17	Team	Meeting	1	2	2
1/24/17		Client Meeting	1		

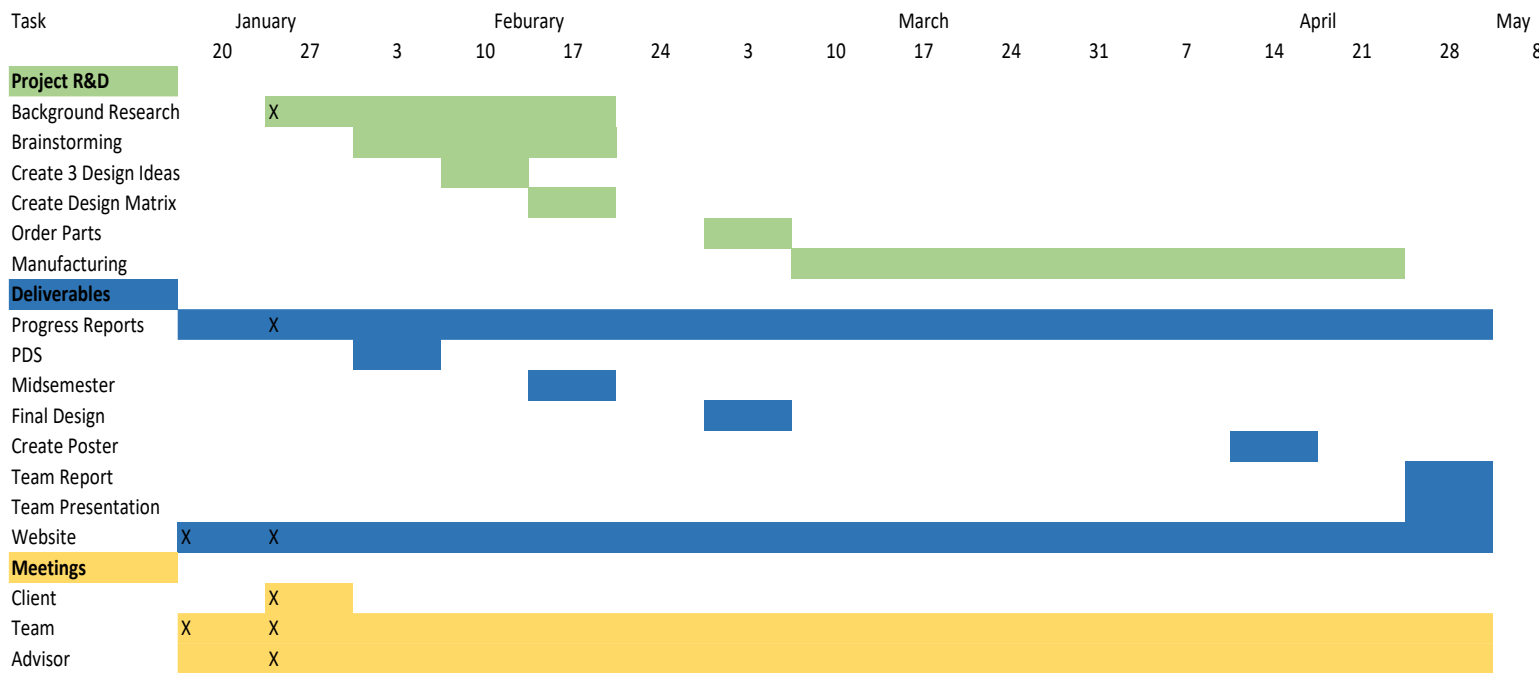
Statement of Team Goals: To brainstorm 3 seating ideas, a new axle, and new bike attachment. Also work on welding passes.

Individual Goals

- Morgan – Research, and work on TIG welding pass
- Tianna – Keep in contact with ME team, work on welding quizzes
- Shelby- Research and work on welding pass
- Emmy- Ask questions about past work, research, and work on welding pass

Difficulties: None

Project Schedule/Timeline:



Expenses: None