

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 eerussell2@wisc.edu (BWIG/BSAC)

Date: 2/24/17-3/3/17

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 work on solidworks designs of complete design and pedals.

Summary of Team Role Accomplishments

- Team Leader, Morgan: Facilitated team meetings, made agenda
- Communicator, Tianna: Contacted ME team about sharing some materials
- BSAC, Emmy: Attended BSAC meeting
- BWIG, Emmy: Updated website with project status and progress report
- BPAG, Shelby:

Summary of Design Accomplishments

- Determined the measurements of the frame, ordered 3 main parts that will determine frame constraints,

Activities

Date	Person	Task	Time(hrs)	Weekly Total	Semester Total
3/2/17	Morgan	Solidworks Research	2	2.25	15.25
2/26/17		Agenda	.25		
2/27/17	Tianna	Welding pass seminar	2	3.25	13.5
2/28/17		Solidworks research for frame construction	1		
3/1/17		Contact ME team	0.25		
3/1/17	Shelby	Ordered first few parts through Dr. Puccinelli	.5	2.5	10.75
3/1/17		SolidWorks frame construction research	1		
3/2/17		Practice constructing frame in solidworks	1		
2/28/17	Emmy	Watched SolidWorks tutorials	1	2	11.75
3/2/17		Construct half-frame in SolidWorks	1		
3/1/17	Team	Meeting	1.5	1.5	9.5

Statement of Team Goals

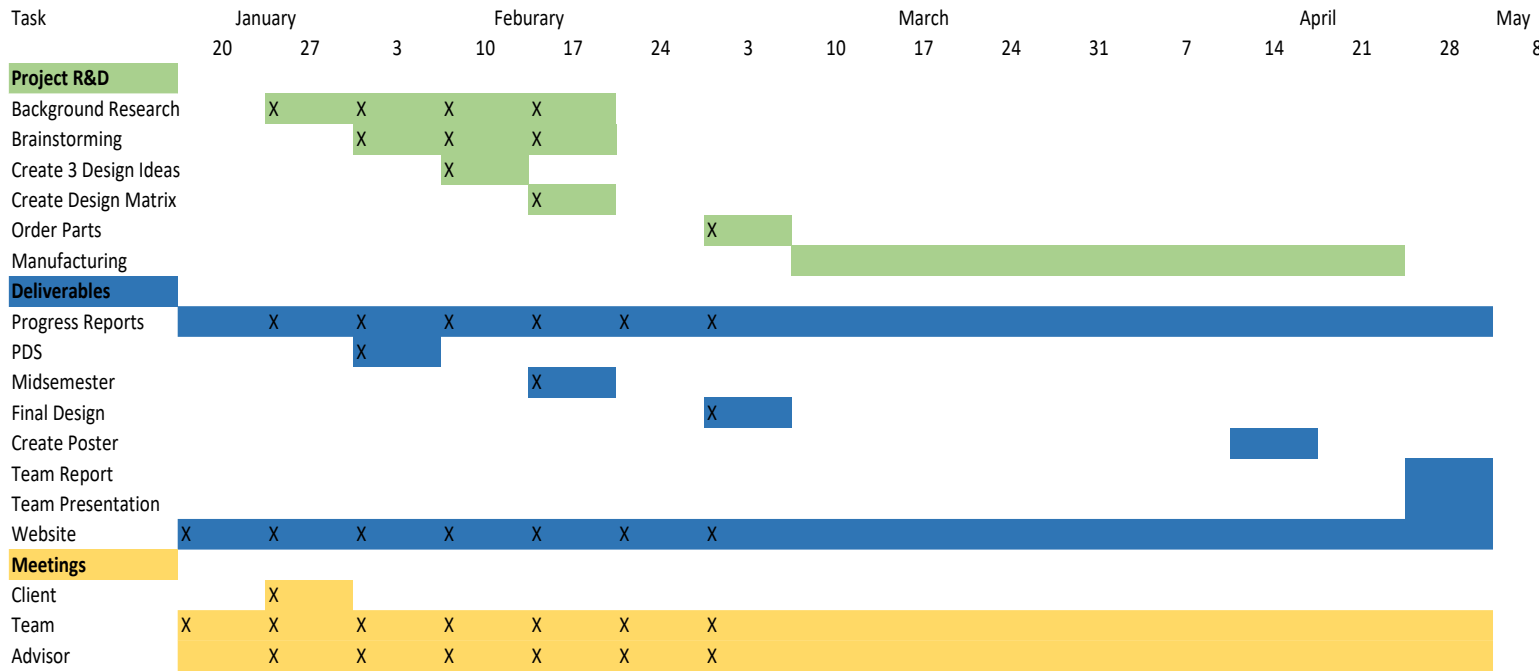
Finish the solidworks design by Monday and submit new proposal.

Individual Goals

- Morgan – To find another welding seminar
- Tianna – Work on solidworks frame design
- Shelby- Attend welding seminar
- Emmy-

Difficulties: None

Project Schedule/Timeline:



Expenses: None