

Deliverable / To Do	Deadline/Time	Member Name	Progress (Done / In Progress)	Additional Comments
Week 3 (Feb 17-21)				
Team Goals: -Set up sponsor call -Follow up email and send sponsor doc -Set up semester schedule -Finish assigning sub teams and roles -Update team Wiki				
Set up Sponsor Call		Amanda	Done	
Follow up email and send sponsor doc		Amanda	Done	
Set up semester schedule (google sheet)		Lisa	Done	
Finish assigning sub-teams		Sam and Tom	Done	
Update team Wiki		Riley	Done	
Week 4 (Feb 24 - 28)				
Team Goals: -Start recording team members during meetings for final video (?) -Tech -Strat/Comm				
Start recording team members during meetings for final video (?)				
weekly call with dustin and ben	Feb 27	All	done	
team training	March 3	All	done	
bring 2 designs on your specific part to class on tuesday	March 3	All	done	
start working on individual deliverable	March 5	All	done	
Update team wiki		Riley	Done	
Week 5 (Mar 2 - 6)				
Team Goals: -Set up sponsor call to review mid term progress report for next week -Tech -Strat/Comm				
weekly call with dustin and ben (review mid term progress report for next week)	March 5	All	Done	
Finish Rough Draft Individual deliverable #1 by Mar 5	March 5	All	Done	Include sensor research for each concept- possible constraints
Update team wiki		Riley	Done	
Week 6 (Mar 9 - 13)				
Team Goals: -Organize and outline progress report presentation -Tech -Strat/Comm				
weekly call with dustin and ben	March 12	All		
Begin Team Deliverable 1	March 10	All		
Finish Individual deliverable, and upload PDFs to Wiki	March 12	All		
Begin to downselect designs and parts (team deliverable #2)	March 12	All		
Organize and outline progress report presentation	March 10	All		
Update team wiki		Riley		
Week 7 (Mar 16 - 20)				
Team Goals: -post progress report presentations to wiki in PDF -Tech -Strat/Comm				
weekly call with dustin and ben	March 19	All		
Progress Report Due	3/19	All		
Finalize parts list	3/17	All		
order parts	3/17	All		
Update team wiki		Riley		
Week 8 (Mar 23 - 27) SPRING BREAK				
Team Goals: -Tech -Strat/Comm				
Week 9 (Mar 30 - April 3)				
Team Strategy #2: -Assessment of current strategy -weekly goals for each subteam				
split team into three subteams	March 30	All	Done	UI/UX Amanda, Lisa, Rachel Biomech: Tom, Sam, Riley Sensor: Johnny, Brendt, Jonathan
set up new time for sponsor calls	April 2	All	In progress	
Team strategy #2 due	April 2	All	Done	
Read Weightlifting and the Actomyosine Cycle	April 3	Biomechanics Team		
Finalize input/output metrics for the UI UX (different modes)	April 2	UI UX team		
Update team wiki		Riley		
Week 10 (April 6 - 10)				
Individual Deliverable: -UI/UX Wireframe and design UX for system output -Biomechanics: Design calculations for muscle stress (Strength, Test & Measurement, Select sensor kits)				
individual deliverable	April 7	All		
Research and select top sensors to purchase, weighing pros and cons between each decision	April 7	Sensor Team		
Determine equation for stress on leg muscles as a function of time for a given mass, leg geometry, and kinematics	April 7	Biomechanics Team		
wireframe the UI of each of these designs and iterate the design with the 4Purs	April 7	UI UX team		
finalize a design for each functionality for the individual deliverable	April 7	UI UX team		
Update team wiki		Riley		
Week 11 (April 13 - 17)				
Team Goals: -Tech -Strat/Comm				
weekly call with dustin and ben	April 16	All		
Start building Matlab code with necessary inputs to perform joint and muscle stress analysis	April 17	Biomechanics Team		
Continue research on the specific sensor- wait for the sensor kit to arrive to begin testing	April 17	Sensor Team		
start getting data from the bio mechanics team and develop the prototype for each UI	April 17	UI UX team		
Update team wiki		Riley		
Week 12 (April 20 - 24)				
Team Goals: -submit one visualization that summarizes your most important findings of the semester. Felice Frankel will then review it and critique it in class -Tech -Strat/Comm				
weekly call with dustin and ben	April 23	All		
Team Technical Deliverable #2	April 21	All		
Finalize Matlab code for joint and muscle stress analysis	April 21	Biomechanics Team		
Receive sensor kit from mail and begin testing, figuring out the output and how well the sensor can measure forces. Share information with other subteams	April 21	Sensor Team		
demonstrate a functional prototype for each UI using biomech team data	April 21	UI UX team		
Update team wiki		Riley		
Week 13 (Apr 27 - May 1)				
Team Goals: -draft an executive summary and outline of engineering report with key figures and placeholders send to Andreas Karatzolis (karatzol@mit.edu) to review then post to Wiki -Tech -Strat/Comm				
weekly call with dustin and ben	April 30	All		
Executive Summary Draft	April 30	Comm		
Integrate Matlab code with inputs from other sub teams	April 30	Biomechanics Team		
Summarize findings from testing sensor kits and output a data set from the exercise	April 30	Sensor Team		
continue integrating data from biomech and sensor team in order to get the interface functionality	April 30	UI UX team		
Update team wiki		Riley		
Week 14 (May 4 - 6)				
Team Goals: -prepare sponsor handoff package and final deliverables -Tech -Strat/Comm				
weekly call with dustin and ben		All		
implement the interface design using hypothetical data from biomech and sensor team for final engir	May 12	UI UX team		
Update team wiki		Riley		

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Final Presentation (May 12th)				(May 12) Final Engineering Report Due