

1.8 Weekly Status Report for Click Sensor Hub

November 21, 2018

Submitted by: Alfonso de la Morena

Faculty Advisor: Dr. Bill Stapleton

Team Members:

Alfonso de la Morena [PM]

Dylan Dean

Mohamed Sghari

Sponsor: Dr. Kevin Kemp

Current Project Status: Green

PCB design is finally finished. We are working on reviewing it individually, with Dr. Stapleton and with Dr. Kemp before we order the PCB for prototyping. Once the Clicks arrive we will begin running interface tests on a breadboard.

Activities/Accomplishments this week

Team Member	Description
Alfonso	Worked on Labor Cost Schedule
Dylan	Worked on Labor Cost Schedule
Mohamed	Worked on finalizing PCB design for prototype

Problems Encountered

Severity	Description
High	N/A
Med	N/A
Low	Minor corrections on PCB design as discussed with advisors and sponsors.

Activities planned for next week

Team Member	Description
Alfonso	Work on Test Plan Document
Dylan	Work on Poster Draft
Mohamed	Order PCB for first print after making corrections

Upcoming Course Deliverables (next 2 to 3 weeks)

Deliverable	Due Date	Status
Poster Draft	11/26/2018	In progress
Test Plan	11/30/2018	In progress

Sponsor and Faculty Advisor Meetings Held/Planned

Who	Date	Topic(s)
Dr. Stapelton	11/19/2018	Discuss PCB design

1.8 Official Click Sensor Hub Team Open Action Items

11/21/2018 Last Update

Date	Description	DRI	Due By	#D	Notes / Comments
11/14/2018	Breadboard test 10 Clicks for interface functionality	Alfonso de la Morena	11/30/2018	9	
11/14/2018	Work on Hardcopy of Test Plan	Alfonso de la Morena	11/30/2018	9	
11/14/2018	Begin initial work on Website Skeleton writing basic HTML code	Alfonso de la Morena	11/30/2018	9	
11/8/2018	Research Click Code for interfacing	Dylan Dean	11/26/2018	5	
11/8/2018	Work on Poster Draft	Dylan Dean	11/26/2018	5	
11/14/2018	Breadboard test 10 Clicks for interface functionality	Dylan Dean	11/30/2018	9	
10/21/2018	Test PCB prototype once it is ordered	Mohamed Sghari	11/30/2018	9	
10/20/2018	Finalize EagleCAD PCB design and order first prototype	Mohamed Sghari	11/22/2018	1	
11/8/2018	Meet with Dr Stapleton to discuss design choices and make corrections	Mohamed Sghari	11/22/2018	1	

# items	Team Member
3	Alfonso de la Morena
3	Dylan Dean
3	Mohamed Sghari

1.8 Official Click Sensor Hub Team Milestone Schedule

11/21/2018	Last Update				
175	calendar days until Senior Design Day				
DRI	Task	Dur	Start	End	Status
Alfonso	Set up SharePoint site. Organized necessary folders and uploaded relevant documents.	2	9/10/2018	9/12/2018	Completed
Dylan	Gathered team suggestions into an easy to read format to present for our sponsors.	2	9/10/2018	9/12/2018	Completed
Mohamed	Created document detailing important aspects of Hexiwear technology so team can understand limitations when speaking with sponsors.	2	9/10/2018	9/12/2018	Completed
Alfonso	Set up Github and software for online meetings.	5	9/12/2018	9/17/2018	Completed
Dylan	Outputting basic "Hello World" program on MBED compiler .	5	9/12/2018	9/17/2018	Completed
Mohamed	Make a list of clicks that will be used for projects with reasoning.	5	9/12/2018	9/17/2018	Completed
Alfonso	Coordinate Hardcopy of Statement of Work	14	9/10/2018	9/24/2018	Completed
Mohamed	Begin Initial PCB Design complying with the mikroBUS standard	6	9/24/2018	9/30/2018	Completed
Dylan	Begin initial Mbed library design at very high level	6	9/24/2018	9/30/2018	Completed
Alfonso	Coordinate Hardcopy of Functional Spec	20	9/25/2018	10/15/2018	Completed
Mohamed	Initial Design PCB Finalized	17	10/15/2018	11/1/2018	Completed
Dylan	Initial Design for MBED Interface Finalized	17	10/15/2018	11/1/2018	Completed
Alfonso	Coordinate Initial Design Review Presentation	8	10/15/2018	10/23/2018	Completed
Alfonso	Coordinate Hardcopy Updated Spec	14	10/22/2018	11/5/2018	Completed
Mohamed	Order PCB to be printed	26	10/20/2018	11/15/2018	In progress
Alfonso	Design for Initial Website Layout	30	11/1/2018	12/1/2018	In progress
Alfonso	Coordinate Hardcopy of Labor Cost Schedule	14	11/5/2018	11/19/2018	In progress
Mohamed	Testing PCB	16	11/15/2018	12/1/2018	Late
Mohamed	First Draft of Poster for Review	14	11/12/2018	11/26/2018	In progress
Alfonso	Coordinate Hardcopy of Test Plan	14	11/16/2018	11/30/2018	Not Started
Alfonso	Second Design-Manufacturing Cycle for PCB	45	12/1/2018	1/15/2019	Not Started