

# Log Book DP-1

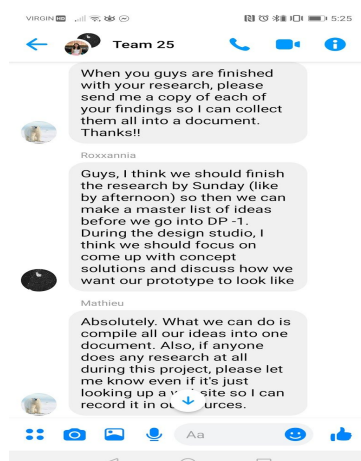
**Sept. 23, 2019**

Discussed what types of questions we should ask the guests in order to better understand the following:

- How does the ostomy bag work?
  - How is it attached?
  - Comfort? What is uncomfortable about the bag? Do you get used to it?
  - What sort of waste is being contained?
  - Interaction of cavity and the bag itself?
  - What is it like at night time? Is it disruptive to your sleep schedule?
  - How frequently do you need to 'burp' the bag?
  - Do you need to reapply the Flex-tend skin barrier?
- Identified the problem of the patient as being the volume of the bag and being able to filter out the stored gas efficiently
- Talked with guest to see the advantages of the different types of ostomy bags (i.e one-piece, two-piece, adhesive vs lock)

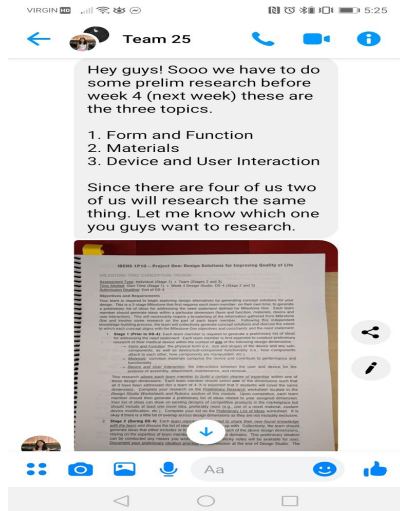
**Sept. 30, 2019**

- Discussed an idea from each individual's list that they were the most proud of
- Agreed upon the commonalities of each member's ideas
- Listed features of our combined design and compared them to Functions of Ostomy Bag research that was gathered from last week
- Went through the different research gathered (i.e Materials, functionality, etc)
- Developed two designs based on a more traditional design of the bag and a more novel design called the "tortilla"
- Have yet to agree on the specific materials that we are going to use to "build" it



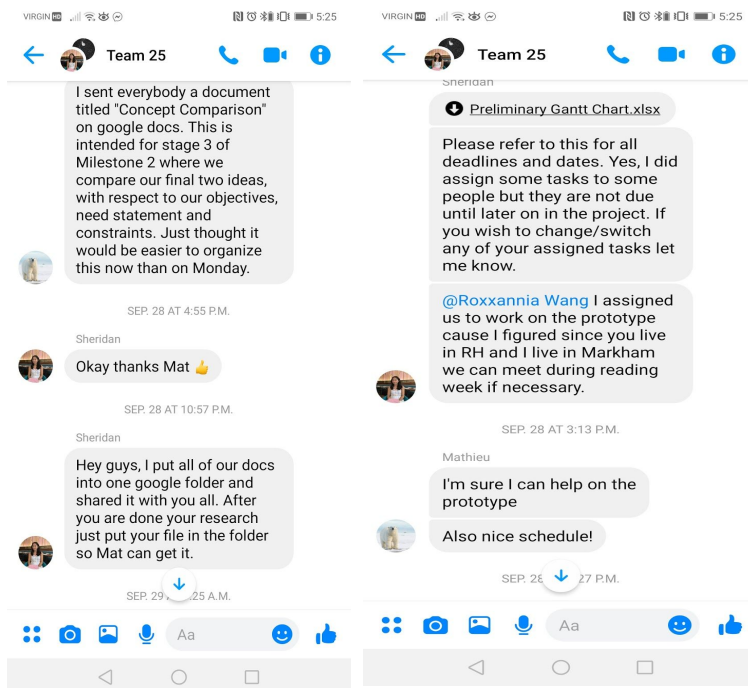
Sept. 25, 2019

- Team Facebook discussion assigning research topics to each member



Sept. 28, 2019

- Administrator and Subject-Matter Expert making sure that everyone has their research ready with sources for the next Design Studio



### Oct. 5, 2019

- Went out for “Team Dinner” off campus where we discussed next steps in the development of our low-fidelity prototype
- Bought balloon structure for base of prototype

### Oct. 7, 2019

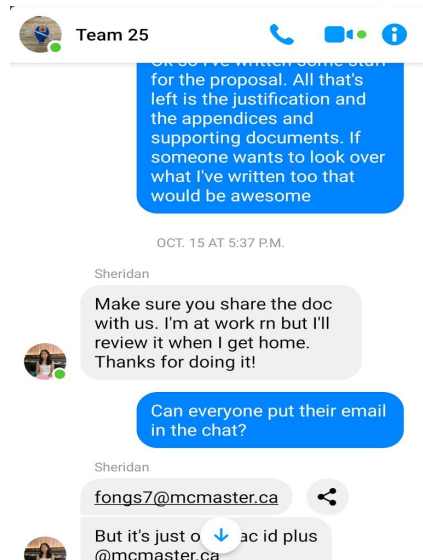
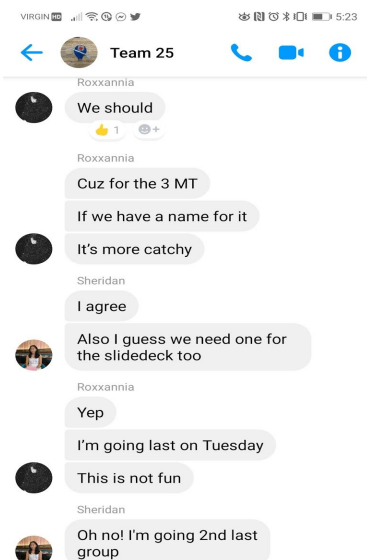
- Researched additional material ideas for our design (Real materials. Not low-fidelity)
- Decided on materials list for (i.e if we were to make the real thing)
- Finalized concept and sketched design
- Began to build low-fidelity prototype
  - Taped inside to create an extra layer
  - Looped velcro strap through balloon

### Oct. 9, 2019

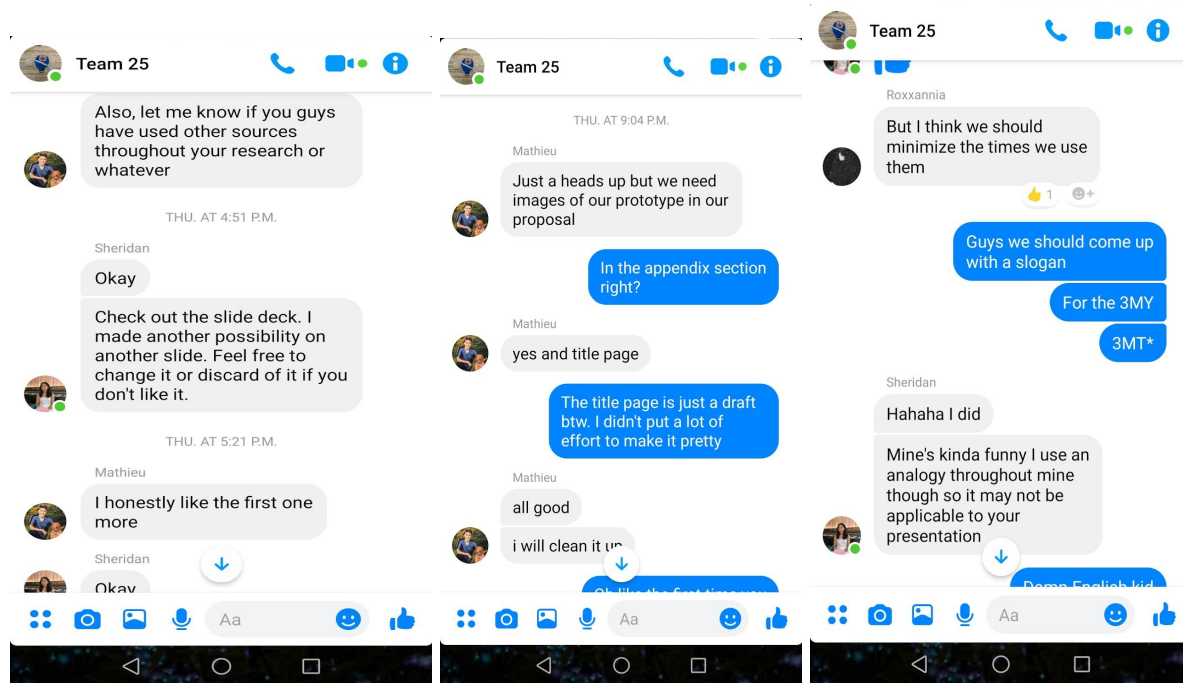
- Finished building prototype
  - Built multiview: inside and outside view
  - Used brown paper bag to represent gas compartment
  - Added playdoh to make moldable stoma
  - Made velcro drain clip
  - Added 3D printed ‘filter’ component
- Discussed work plans for reading week regarding the slide show, written proposal and oral presentation

### Oct. 15, 2019

- Team discussion regarding the branding of the design
- Discussion on what needs to be done for the Written Proposal



**Oct. 17, 2019**



- Team discussion regarding ideas for the slide deck
- Team coordination of what still needs to be done in terms of the Written proposal
- Team discussion about creating a slogan for the 3-Minute-Thesis presentations

**Oct. 21, 2019**

- Recorded the 60 second video
- Revised Written Proposal
- Decided on final touches for slide deck
- Signed Written Proposal
- Ensured that every team member knew what they were submitting
- Listened and provided feedback to every team member's 3MTs