

COORDINATOR MEETING LOGBOOK – NEHAN M.

Date: October 7

Time: 2:30 pm

IN ATTENDANCE

Nehan, Kelly, Victoria, Miah

WHAT WAS DISCUSSED

- Decided On roles
 - o Coordinator- Nehan
 - o Manager – Victoria
 - o Administrator – Miah
 - o Subject matter expert – Kelly
 - o Subject matter expert – Unknown (Ian was not here)
- Collectively agreed upon functions objectives, and constraints for the system
 - o Nehan will edit the objectives (check for grammar etc)
- Took group pic
- Decided on template for preliminary Gantt Chart

NEXT MEETING/WORK TO DO

Next meeting will be on October 21 – 2:30pm

Each group member should initially work on sketches for their own mechanism

Nehan should finish editing the functions constraints and objectives

Victoria should complete the preliminary Gantt chart of deadlines

Miah should submit Milestone 0 team document

CAD models of sketch should be completed (try to)

Date: October 21

Time: 2:30 pm

IN ATTENDANCE

Nehan, Kelly, Victoria, Miah, Ian

WHAT WAS DISCUSSED

- Decided On the Final two sketches and cad model
 - o Nehan's CAD model should be the "bad" one with many flaws, whereas Ian and Kelly's design together should be the final one
 - o Ian will CAD the final idea, with help from others
 - o Kelly will complete the final sketch and be put in doc
 - o Nehan will do the justification with help of others

NEXT MEETING/WORK TO DO

Next meeting will be on October 23 – 7pm- AT THODE!

Ian should finish the CAD model by the 23, so we can discuss it at the next meeting, with the help of others

Kelly should finish the final sketch, with it fully labelled and concise descriptions

Nehan should finish the justification, so we can discuss it before we hand it in on the 23rd

Date: October 23

Time: pm

IN ATTENDANCE

Nehan, Kelly, Victoria, Miah, Ian

WHAT WAS DISCUSSED

- Ian finished the CAD model and was fully constrained and it looks good
- Kelly completed the sketches, and it correlates to the CAD model
- Nehan finished the justification
- Everything looks good and all screenshots are placed in documents

NEXT MEETING/WORK TO DO

- Next meeting will be on Friday October 25 (LAB B)
- Miah will hand in Team milestone 1 by the deadline
- The group should look for ideas to make the CAD model look better and more efficient

Date: October 25

Time: 2:30 pm

IN ATTENDANCE

Nehan, Kelly, Victoria, Miah, Ian

WHAT WAS DISCUSSED

- Ian suggested that we should add strings to the model and change the position of the hinges so that there is less chance of error
- We don't know if the design will not extend when bridge is lowered, so strings will ensure of this
- Sketches need to be refined so that it incorporates the use of strings and the hinges are placed properly to compliment it
- Research on if the strings we need to use will be strong enough to withstand the force
- 3D printing is needed

NEXT MEETING/WORK TO DO

Next meeting will be on October 28 – 2:30 pm

The group should work on the revised CAD model, with strings

The group should work on the sketches as well, in case we need to hand it in again

Look into booking 3D printing and later cutting maybe ASAP, so we can get to constructing the model and testing soon

Date:	October 28
Time:	2:30 pm

IN ATTENDANCE

Nehan, Kelly, Victoria, Miah, Ian

WHAT WAS DISCUSSED

- After the group researched on strings, we decided that yarn was sufficient enough to handle the weight of the luggage for our mechanism
- Kelly brought up the fact that we needed to have support under the actuator
- The group decided on pink yarn and pink 3d printing colour for the mechanism
- Brought up ideas to TA, and received feedback on the length of the sliding mechanism and support for actuators as well

NEXT MEETING/WORK TO DO

Next meeting will be on November 4 – 2:30 pm

Try to print out the support for rotary actuator soon, and purchase the required yarn as well

Look into choosing what function to code for the computing part of the project

Date:	November 4
Time:	2:30 pm

IN ATTENDANCE

Nehan, Kelly, Victoria, Miah, Ian

WHAT WAS DISCUSSED

- Each of the group members decided on each function and started to brainstorm flowcharts or ideas to implement each function
- The group collectively brainstormed ideas for the team functions, and how were going to express opening and reading files within a flow chart
- Ian brought up the idea to use "is next" to express checking for new line in code
- Nehan thought of implementing the graphical function and how to output each of the values
- Assumed each of the lists from the functions are the same size, so we can use one of their lengths as reference for the rest to print to turtle

NEXT MEETING/WORK TO DO

Next meeting will be on November 11 – 2:30 pm

Each person should finish their individual flow chart and submit to A2L

Miah should submit the team functions as well we worked on as a group

By next week, each member should try to attempt to complete their each individual function with test data they created themselves until fleet and passenger data functions are created

Date:	November 11
Time:	2:30 pm

IN ATTENDANCE

Nehan, Kelly, Victoria, Miah, Ian

WHAT WAS DISCUSSED

- The group collectively finished the fleet and passenger functions, however they are not commented appropriately.
- Ian and Nehan created their individual functions, overweight and layover, but the Miah, Victoria, and Kelly are almost done
- Talked about strategies to code their indicial functions, and talking about the flow of the graphical function after all the functions are completed
-

NEXT MEETING/WORK TO DO

Next meeting will be on November 18 – 2:30 pm

- The rest of the group should try to complete their individual programs soon, and to start on the graphical team function as well
- Start commenting their individual programs as well, including doc strings with inputs/outputs

Date:	November 18
Time:	2:30 pm

IN ATTENDANCE

Nehan, Kelly, Victoria, Miah

WHAT WAS DISCUSSED

- Ian was not present, and he had the mechanism so we could not test the rotatory actuator with our mechanism
- Got relatively accurate coordinates to the three locations of the Q-arm (pickup, drop off, and rejection)
- Learned to use terminal is more efficient than running the program multiple times

NEXT MEETING/WORK TO DO

Next meeting will be on November 25 – 2:30 pm

- When Ian comes back, we can start building our mechanism
- Try to implement the rotatory actuator code within the q-arm code as well
- Finalize the coordinates for each location for the Q-arm to go to

Date:	November 25
Time:	2:30 pm

IN ATTENDANCE

Nehan, Kelly, Victoria, Miah, Ian

WHAT WAS DISCUSSED

- Ian is here with the mechanism full 3d printed, and the yarn
- We spent the first half assembling the model, and it looked very promising
- Tweaked the coordinates and it was much better than last time
- Introduced to the design report, where the group needs to begin working on that together
- Prepare for potential interview questions on Monday December 2
- Need to turn the wrist in a specific way to drop the mechanism

NEXT MEETING/WORK TO DO

Next meeting will be on November 28 – 5:30 pm

- Meet at Thode, to discuss potential interview questions and how to answer them properly.
- Make sure everyone is informed on the how the team functions (passenger, fleet, graphic) functions work and can answer questions on them as well.
- Make sure everyone is informed on the CAD model, and why this design was chosen over others
- Work on the Project report as well as a group