MTRX2700 Major Project

Group: *Name undetermined*

Meeting 3

09/05/2024 09:14 am
In-Person

Attendees

Annabelle Flannery (AF)
Devagya Budhiraja (DB)
Varun Varshan (VV)
Zahi Al-Aker (ZA)
Mike Delano (MD)
Shirley Wong (SW)

Apologies

Previous Action Items

Action	Owner
Continue with initial board layout and hardware considerations	AF
Continue with initial designs for spring, flipper, and pop mechanisms	VV
Start RFID and sound mechanism designs and considerations	SW
Start on software aspect of RFID, motors and flipper mechanism	DB
Start on initial ideas for timers, and scoring and sensor interfaces	MD
Start on initial designs and layout for front end GUI	ZA

Agenda

1. Review previous action items
2. Members to update team on progress
3. Discuss next steps and actionables
4. Plan next meeting
5. AOB

Minutes

1. Review previous action items
   a. On reviewing the previous action items, everyone has started making progress towards the project.
2. Members to update team on progress
   a. Board layout and frame designs are finalsed.
   b. Flipper mechanism is working DB still fixing the bug.
   c. RFID sensors are sort of working, a small bug that is being finalised.
   d. Prototypes for the flippers, H-Bridge, STM32, RFID are being finalised.
   e. Timers needs to be started
3. Discuss next steps and actionables
   a. Finalise the RFID, flipper mechanism and start with roundabout soon.
   b. Plan in using Hall-effect sensors?
   c. Start with the LCD and GUI soon.
   d. Start with the light and sound soon once the main modules have started working.
4. Plan next meeting
   a. Plan to have the next meeting on 12 May 2024, and try to complete as much as we can.
5. AOB

Action Items

Action	Owner
Finalise the Board layout and the frame dimensions	AF
Finalise the flipper mechanism, RFID	DB
Start 3D printing the parts	VV
Start with the bumpers, GUI, LCD	ZA
Design the RFID, light and the sound module	SW
Continue the timers, integration and using the hall effect sensor	MD