MTRX2700 Major Project

Group: *Name undetermined*

Meeting 4

12/05/2024 7:30pm
Zoom

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
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

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
2. Members to update team on progress
    a. Board layout and frame designed, have materials, acrylic to be cut tomorrow
    b. Flipper mechanism works, intermittent bug
    c. RFID sensors are almost working
    d. Multiple prototypes for flippers 3D printed
    e. Timers are mostly working, lil bug
3. Discuss next steps and actionables
    a. Removing server motors
    b. Hook both motors up to same 5 pins?
    c. Integrating a fan mechanism into the board (to redirect the ball) and using LDRs on the surface of the board to detect the ball for points
4. Plan next meeting
    a. Need board to be completed and mechanisms integrated (everything needs to be finalised aside from code)
5. AOB

Action Items

Action	Owner
Finalise RFID, slingshot and fan mechanism	DB
Have the board components finalised and assembled	AF
Finish the flipper mechanism	VV
Finalise the timers, hall effects sensors, and integration	MD
Finish the GUI, LCD, and bumpers	ZA
Continue with light and sound	SW
Confirm GUI with tutor	Everyone