COMP3000 Computing Project 2021/2022

Project Title

Audio Authentication via Voice Recognition on QTrobot (AAVR)

Links

Source Code Trello (Backlog)

Project Vision

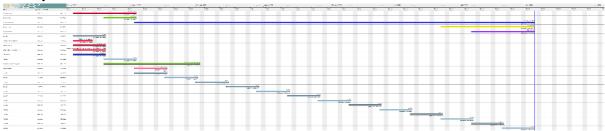
The QTrobot is a toddler-like humanoid robot built by LuxAI. This project, Audio Authentication via Voice Recognition on QTrobot or AAVR for short is for patients who would like to allow for an easy way to authenticate the QTrobot to be theirs. AAVR is software that allows for audio recognition so that different profiles can be made. With this, patients who have different users can have their settings preferences for the QTrobot can be set on launch. Preferences such as age, height and weight can be recalled from memory when the voice is recognised.

Risk Plan

Risks	Probability (Low, Moderate, Significant, High)	Addressing the Issue
Sprint does not get completed within the allocated time	Low	The sprint that was not completed on time will be moved to the next sprint and be updated on the Kanban Board accordingly
QTrobot does not work as expected due to unexpected issues	Moderate	Fixes and patches will be applied accordingly before attempting to move further on with the project
Computer that is used stops working due to human error or accidents	Low	Quickly find a replacement device to ensure sprints are done to minimise delays
Testing procedures might take longer than usual	High	Do the testing thoroughly
Computer might corrupt local disc which causes loss of data that impacts the project	Low	Having local backups and a git version control set in place

Getting burnt out on the		Having breaks in between
project due to overwork and	Moderate	and having a good work-
stress		study balance

Proposed Gantt chart



High Res Image (Imgur), (Mirror)

Keywords

Audio, Authentication, Audio Authentication, QTrobot, AAVR, Voice, Voice Recognition, Recognition, LuxAI, Robot,