E.A.R.L. Bot

E.A.R.L.

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GitHub repository:

Trello board: https://trello.com/b/Lrr7T9cK/earl-bot

# Sprint 1

Sprint Goal: Build E.A.R.L. Bot’s frame, mount the motors and wheels, and make the bot move back and forth.

Tasks:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Task | Team Member | Effort Estimation | Dependencies/Blockers | Task Breakdown |
| Design Frame | Michelle/ Hien/ Chris/ Daniel | 1 hour | NA | NA |
| Build Frame | Michelle | 1 hour | Wait till all parts for frame are attained. | NA |
| Mount Motors | Michelle | <1 hour |  | NA |
| Mount/ Connect Wheels | Chris / Hien | 30 minutes | Frame needs to be done first | NA |
| Power Motors | Daniel / Hien | 1 hour | Motors need to be mounted with wheels first | NA |
| Program Arduino to Move in Sync | Daniel | 2 hours | NA | NA |
| Implement Power Switch | Daniel / Michelle | 1 hour | NA | NA |

# Sprint 2

Sprint Goal: E.A.R.L. has a cargo hold and is able to do very simple tracking and following

Tasks Planned:

* Finish leftover tasks from Sprint 1
* Implement simple tracking
* Build Tag housing
* Build side rails for cargo area

# Sprint 3

Sprint Goal: E.A.R.L. is able to adjust speed based off distance to user.

Tasks Planned:

* Optimize distance and speed control
* Work out any bugs
* Aesthetic modifications

# Trello board

Entire Trello Board

Screens screenshot of a phone

AI-generated content may be incorrect.

Product and Sprint Backlogs

Screens screenshot of a phone

AI-generated content may be incorrect.

Close up of 1 task on Sprint Backlog – all other looks similar with their own times and dependencies

A screenshot of a computer

AI-generated content may be incorrect.