

Description

Self-playing piano with the capability of playing any MIDI files via user interface.

Goals

- To make a self-playing piano for under \$200 (compared to ones that cost over \$1'000).
- Main controller must be able to interpret MIDI files.
- To be able to control the piano remotely.

Scope

- Schematic: 7 days
- Waiting for parts: 11-30 days
- Prototype: 12 days
- Assembly: 14 days
- Programming & debugging: 21 days
- Final touch ups: 7 days

Key Stakeholders

Client	Leonardo Fusser
Sponsor	2 nd year CET group
Project manager	Mohammed Tavakoli
Project team members	Leonardo Fusser

Project Milestones

- Project start: Beginning of Winter 2021 semester.
- End date: End of Winter 2021 semester.

Project Budget

Non-recurring amount of \$200.00 maximum.

Constraints, Assumptions, Risks and Dependencies

Constraints	Time of arrival of parts may hinder project outcome.
Assumptions	Previous Arduino knowledge and results from early testing.
Risks and Dependencies	All functionality of the piano must be thoroughly tested before project submission.

Approval Signatures

Leonardo Fusser

[Name], Project Client

2nd year CET group

[Name], Project Sponsor

Mohammed Tavakoli

[Name], Project Manager