

# Framing for Architectural Review 1

Anya and Liz

## Background and context

Our initial goal for our project was to make a game that had a unique controller, such as the user screaming loudly, waving their hands, etc. After a fair amount of ideation, we finally decided that we would want to make a side scrolling game, where the input method will be IR sensors. This will require the use of an Arduino, but there are many resources for integrating python and Arduino.

Our learning goals prioritise classes, object-oriented programming, using existing libraries, and effectively project planning and scoping.

## Key questions

We are mostly concerned about how to integrate Arduino and Python. The current library we are using is able to read the Serial from an Arduino on a certain port. We plan on having the Arduino assign a value based on what the IR sensors read (i.e. if a hand is on both sensors 1, a hand just on the right sensor would be 2, etc).

We are also not totally sure of the type of game we want to do. We know the available motions to the player must be fairly simple, as one can only do so much with two hands. We were playing with different ideas, such as having no gravity (the character must manually be moved up or down), having the player use a sword and shield to fight enemies, etc. We would like input on what types of games would fit best with the unique controller.

## Agenda for technical review session

We will start with a few minutes to simply explain our project, goals, and what we've done so far. Then, question, response, and feedback time. We will start with a few minutes of feedback and reactions to what we've explained, including clarifications, and then ask our few main questions that we want feedback and ideas on. We plan on having the feedback be fairly unformatted, as we want to have a discussion on what we plan on doing, so that people can raise questions we may not have originally thought of. We also want to put most of our time into feedback, so we can get the most information on what we should work on next.

## Feedback form:

[https://docs.google.com/forms/d/e/1FAIpQLSfodFv0ksqzHnq05Sa0Zwxzels9v2407oZKDRHFTWAQ5oFMXQ/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfodFv0ksqzHnq05Sa0Zwxzels9v2407oZKDRHFTWAQ5oFMXQ/viewform?usp=sf_link)