**Raspberry Pi Final Project Title**

**Project Team Members**

Ryan Texada

Aankit Pokhrel

Brianna Butler

...

**Project Summary**

Our project is to create a .

**Goals and Objectives**

What are your project's main goals and objectives. Make sure to discuss if/how the project has broader societal impact. For example, will it make life easier for people in general? Does it simplify tasks for the visually impaired? Think big and broad.

**Github Repository**

This project's Github repository is located at: <insert URL here>. Feel free to provide other interesting details about the project's repository (e.g., How many branches are there? How many revisions were made?).

**Bill of Materials**

Itemize the required physical/electronic/hardware components (e.g., Raspberry Pi B v3, HC-SR04 ultrasonic ranging module, 5mm red diffused LEDs, etc), software components (e.g., Python v2.7.9, etc), and any other components that are relevant to your project.

**GPIO and GUI**

How did you incorporate GPIO, an external circuit, and any other external components? How did you integrate an intuitive GUI that will be rendered on the LCD touchscreen. Provide a mock-up/image of the GUI.

**Gantt Chart**

Insert your project's final Gantt chart here. Make sure to modify the spreadsheet provided. An easy way to insert the spreadsheet is to highlight the relevant cells in the spreadsheet, copy it to the clipboard via Ctrl+C, and paste it as a Bitmap (centered and using no wrap) via Shift+Ctrl+V. Discuss the schedule and how it may have differed from your initial plans.

**Future Development Plans**

If you were to continue working on this project, what would you do? Where could you go from here to make it better? What could be done to make it have increased broader impact?

**Lessons Learned**

What did you learn by working on the project throughout the course? How did it relate to the Living *with* Cyber curriculum? How was the experience beneficial to problem solving in general? What did you learn that will benefit you in future courses in the curriculum?