# Project 1 Handoff Documentation

## Arduino Wiring Diagram

* + The attached .fzz file provides a diagram of the arduino set-up needed to gather ultrasonic sensor readings for this project.
* **3 API’s**
  + Please see the following API’s for a better understanding of the connection between two entities and overall structural design of the project.
    - **PHP/MySQL Related**
    - **Arduino/Python Related**
    - **Python/MySQL Related**
* **MySQL Table Setup**
  + The information for the original MySQL table is in this .txt file. It includes a CREATE TABLE statement followed by multiple INSERT statements that generate sample values for each field of the table.
* **Using the Web Interface**
  + The user enters a timespan in datetime format.
  + The user then selects a measure to view: count, average, or daily
  + After selecting the measure, the user can specify the unit time frame: daily, weekly, monthly.
  + Upon pressing submit, the results will be displayed.
  + Note\*\*: If the user wants to see graphical results, select ‘Statistics’ for the measure and either ‘weekly’, ‘monthly’, ‘yearly’ to render a column, pie, and line chart respectively.