README:

This document gives an overview of this project:

The goal of this project was to construct a self-draining reservoir from an Arduino, servo motor and water level sensor. This was accomplished using the items listed along with some pencils, a solo cup and some tape. Steps for this project are outlined in the wiki report.

Below are schematics showing how a user would hook up a servo motor and water level sensor to an Arduino to build this project:

A picture containing text, electronics, circuit, screenshot

Description automatically generatedA picture containing text, circuit, electronics

Description automatically generated

Figure 1: On the left shows how the servo motor was attached. On the right shows how the water level sensor was attached.

\*\*NOTE\*\*

The water level sensor power pin is attached to digital pin 7 in the schematic above, this was done to control when the sensor was turned on and off, in this project, however, the power pin is connected to the 5 V power supply from the Arduino. Either way will work, the code must be modified if digital pins are used to control the power.