

# Lightning Presentation 2

## Project Plan

Group sdmay20-53  
Smart Backpack Sprayer



# Key Technical Goals

- Design Backpack Solution
  - Arduino
  - Sensors
    - Report data to Arduino
- Mobile Application
  - Representation of Data
- Communication Between the Two
  - Bluetooth



# Primary Conceptual Sketch

Back



- Arduino
- Bluetooth Sensor
- GPS Sensor
- GPS Antenna
- Power to Arduino

Front

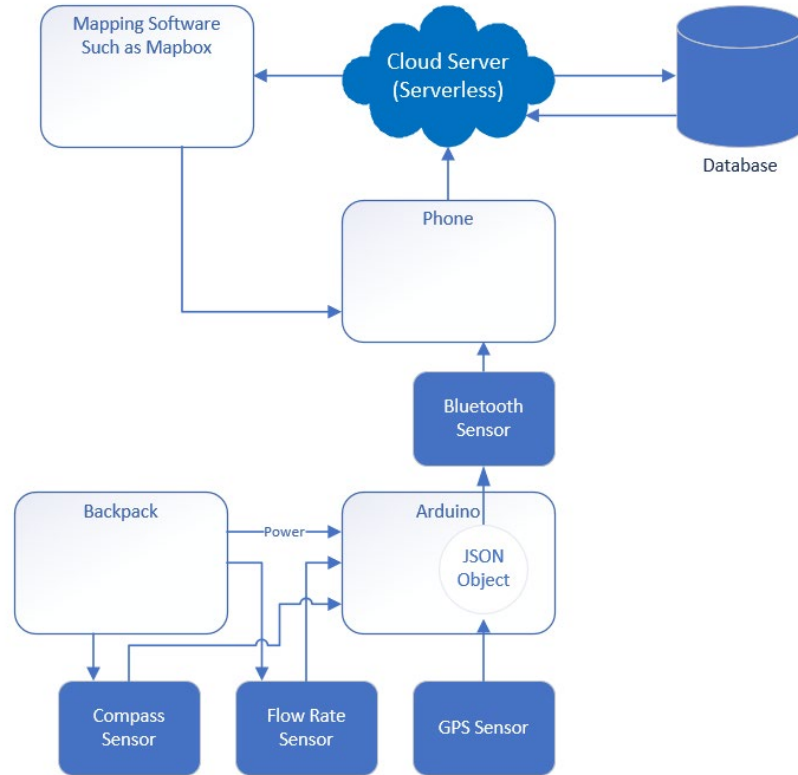


- Compass Sensor
- Flow Sensor





# System Block Diagram



# Timeline Walkthrough

- Design Documentation V1 - Due Oct 6, 2019
  - Weekly Reports Interspersed throughout Semester
- Hardware Delivery (Hopefully By) - Oct 9, 2019
- Assembling Hardware - Oct 23, 2019
- Design Documentation V2 - Due Oct 29-31, 2019
- Software Completion - Nov 16, 2019
- Integration - Dec 2, 2019
- Design Documentation V3 (Final For Semester 1) - Due Dec 3-5, 2019
- Prototype for Software and Hardware - Due Dec 09, 2019

