

EE / CPRE / SE 491- sddec20-10

Warehouse Inventory Automation

Week 4 Report

3/12/2020 - 3/15/2020

Client: none

Faculty Advisor: Dr. Diane Rover

Team Members:

Jacob Ramsey-Smith

Jack Creighton

Stamati Morellas

Amir Hamza

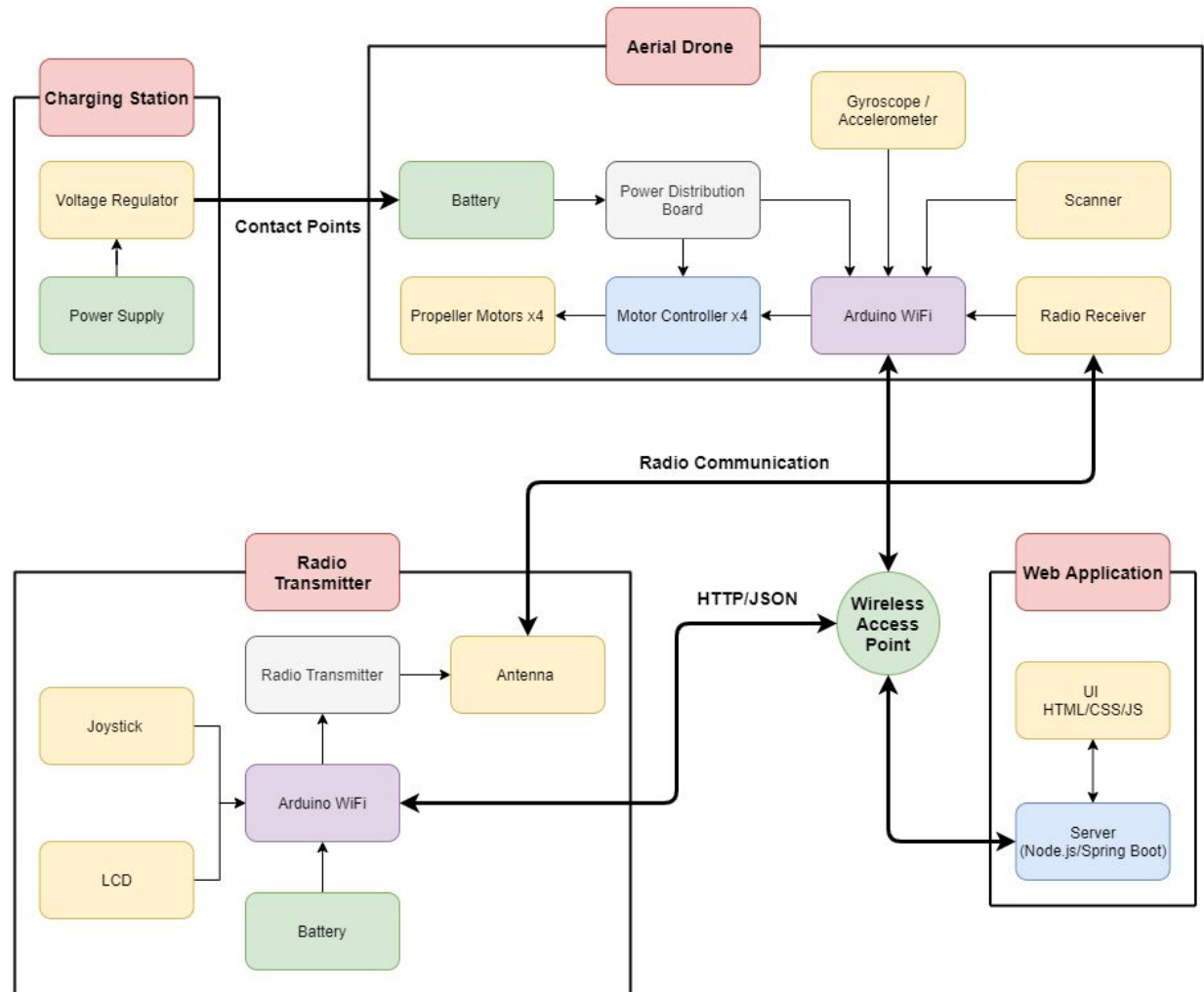
Past Week Achievements

- Met with Dr. Philip Jones to consult about drone technology and autonomy feasibility
- Refined key hardware and software technical goals
- Created timeline for project goals
- Met with Dr. Diane Rover
 - Discussed how meetings and communication will be conducted due to classes going online and concerns surrounding the Coronavirus situation
 - Pros/Cons of using Arduino vs raspberry pi
 - Rover requested we create multiple design sketches for drones of varying complexity, i.e., manually controlled drone, semi-autonomous, fully-autonomous. Include pros/cons with each sketch and estimated feasibility.
- Created individual performance plans for the rest of the semester

Individual Achievements

Team Member	Contribution	Weekly Hours
Jacob Ramsey-Smith	Research, Performance plan	6
Jack Creighton	Software goals, research, performance plan	6
Stamati Morellas	Front-end research, analytics	5
Amir Hamza	The project overview finally got approved, submitted my performance plan to the advisor.	5

Final Project Overview



Pending Issues

- Complete Gantt chart
- Start assigning tasks in Trello

Plans for the coming week(s)

- Create design sketches for drones of varying complexity
 - Pros and cons for each sketch (difficulty, level of autonomy, cost)
- Begin finding parts to build our drone to create a cost estimation
- Finish schematic, cost, trust to body ratio and component analysis