## Oct 27, 2023 | [Capstone Team Meeting](https://www.google.com/calendar/event?eid=M2NpMWY1dTZkZmwyOTB2N3RsaDVuNnI1amYgbmF2aWQucmFobWFuQHRvcm9udG9tdS5jYQ)

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Notes

* Hardware stuff:
  + parking lot
  + Esp32-cam
  + leds
* Web-app:
  + Frontend (react)
  + Backend (Firebase BaaS)
    - Database (Cloud Firestore)
* Algorithms on backend (cloud functions):
  + Providing user suggestions
  + Machine learning
  + Backend api requests
* Algorithms on board:
  + Object detection/Machine learning
  + LED operation
  + IOT detection
  + ESP32-cam
  + FTDI programmer
  + F-f jumper wires
* Testing procedure/requirements
* Software control
  + Version control
  + Documentation
  + Workflow tools
  + Software tools
  + Setup configuration
  + **Folder structure**

Action items by next MCR

* Frontend
  + ~~Initialize a simple frontend application - React~~
  + ~~Make a simple sketch of the first phase of our frontend page~~
    - ~~Based on previous years project~~
    - ~~Sketch something easy to make~~
  + Research the best approach
* ESP32 Code
  + Look into simulating/developing some basic object detection code for ESP32-CAM
  + ~~Also look into basic ESP32-CAM IOT communication code~~
  + ~~Initialize repository for code on board~~
* Backend
  + Look into backend integration of all independent subsystems