

## Practicum Team 1

**Meeting runtime:** 3:50 PM - 4:35 PM

**Agenda:** Finish To-do list, prioritizing Wk 06 deliverables

- Updated Schematic
- PCB Layout
- Prototype
- Gantt Chart

### Summary:

- Updated Schematic
  - Schematic Test Points everywhere
  - Added pins and no connects for MTMS, MTDI, MTCK, and MTDO
  - Removed logic level shifter
- PCB Layout in progress - Brad
- Prototype nearing completion
- Gantt Chart completed

### To-do:

- Big commit to Git - Henry ✓
- Gantt Chart - Henry ✓
- Revise Schematic - Brad/Henry ✓
  - Add test points ✓
  - Add USB info ✓
  - Split up logic level shifter and LED Array boxes ✓
- PCB - Brad/Henry
  - Get footprints for IC ✓
- Revise the PDS - Henry ✓
  - Add Version # (1.0) to the original PDS ✓
  - Make Version 1.1 ✓
    - Add power input to L0 ✓
    - Remove boxes from inputs/outputs (L0) ✓
    - Add more shoulds/mays (need to discuss project additions) ✓
- Order parts - Brad (end of week)
  - Order ICs, resistors & capacitors (0603) , Piezo speakers
- 3D Modeling - Chris
  - Maker's Muse tutorial videos
- Finish programming prototype - Caleb
- Wireless Charging - Brad/Henry

**Week ahead: HW Wk 07**

- Rough Draft of CAD (Group)
  - You should be mostly done! Now the only things left are changes for out of stock components, changes from design reviews, changes for DFX, etc.! And, of course, make sure this is checked in under version control!
  - Submit it in TWO WAYS:
    - Print a PDF of your schematic and board layout and upload it to Canvas.
    - Enter a URL to your collaboration site to the folder where your schematic and layout files are checked in.
- Bill of Materials (BOM) (Group)
  - Upload your Bill of Materials (BOM) Use the attached template.
  - [Bill of Materials Template](#)
  - Submit it in TWO ways:
    - Upload your BOM as an XLSX file into Canvas.
    - Enter an URL to your collaboration site to the folder where your BOM is checked in.
- Functional Decomposition (Group)
  - Draw a top-level (Level 0) block diagram of your practicum project showing all inputs and outputs.
  - Draw a Level 1 block diagram showing the principal components or modules of your project along with the interconnections between them. LABEL ALL INTERCONNECTIONS.
  - Consult the lecture slides for proper format for capturing the block diagram and describing inputs and outputs.
  - Submit it in TWO ways:
    - Post these to your collab site.
    - Upload a PDF to Canvas.