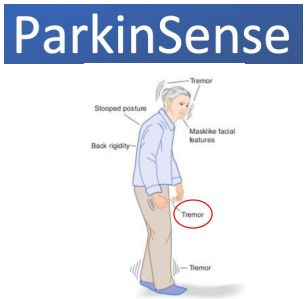
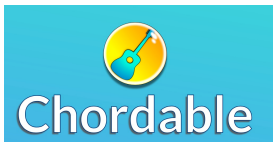
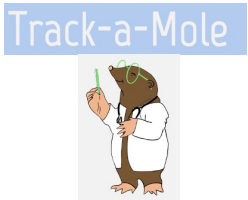


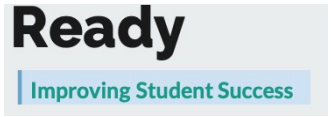
ECE 1778:
Creative Applications for Mobile Devices



Lecture 12

April 7, 2020





Today

1. Schedule
2. What's Next?
3. Final Reports
4. Final Presentations, Part 1

The Schedule

1. Today: Final Presentations!
   - Continues next week

2. Final Report Due Wednesday April 21st
   - at 6pm. 1 Mark off for every hour late.

3. **Pub Night**: traditional ECE 1778 post-course get together
   - Not possible this year, in person
   - Could do a zoom pub, bring your own drinks & snacks
   - Chance to sit around and talk about the future?
   - Send me an email if you'd like this; stay tuned for details

What Next?

The Course Ends

- Some of you may wish to continue working on your App, which I'd strongly encourage
- An issue is that you actually have other plans:
  - Grad school
  - Job
  - A career
- Even given that, it would be great to see some of these apps end up on an App store or available somehow
  - Please let me know if I can help

OR

- Or, perhaps you've taken the idea so far, and someone else might want to pick it up.
- **AND,** you're willing to let that happen
  - Your group owns the rights to the software
- **Recall: you must commit your source code to the Github repository**
- If you grant permission, I will post the source code along with your project
  - Could also delay that decision by a few months, say
- As we are a public institution: it can make a useful contribution to society, to publicly release your code

Project Time Line

Project Stages

1. Groups Formed
2. Project Topic Approval-in-Principle
3. Project Proposal/Plan
4. Proposal & Plan Presentations
5. Lecture on User Experience & Presentations March 3rd
6. Spiral 2 Presentations
7. Spiral 4 Presentations
8. **Final Presentations**
   - **April 7 (today)**
   - April 14
9. Final Report Due Wednesday April 21st

Final Report

Due Date, Contents

Final Report

- Due Date: April 21
  - Last class is April 14

- **Maximum 2500 words**
  - Penalty 5% of final report grade for every 10 words over 2500
  - Report must include word count in document & compute penalty
  - Minimum font size 12 points
  - Pictures & words in pictures, and references not counted

Final Report Content

1. Introduction
   - What & Why

2. Statement of Functionality & **Screen Shots from App**
   - Describe the overall functionality of the work
   - For parts that did not work, describe & speculate as to why

3. Overall Design
   - Block diagram, description of each part

4. Reflection: What did you learn - what would you do differently?

Final Report Content, cont'd

5. Contribution by Each Group Member
   - Describe what each group member did in project

6. Specialist Context
   - 500 words max, included in main word count
   - Describe how what was achieved can influence your research field, or the field of application.
   - Written by the Specialist

7. Future Work
   - How could the project be augmented to make it better?
   - Suggest additional features and capabilities

Final Report Content, cont'd

8. State if **OK or not** to publicly post each of the following on the Course Website:

    1. **Video of final presentation**
    2. **Report**
    3. **Source code**

    – All group members must agree for each one of these to be a 'yes';
    – Please state clearly that all members agree in the case of yes.

- Source Code **must** be committed to GitHub Archive
    – Not claiming any ownership, just want right to review

Final Presentations

Final Presentations

- **Maximum 8 Minutes**
  - More time than usual
  - Less time for questions, so will be very brief
- **Please Introduce yourself & field/program**
  - Specialist: say field; introduce Programmers as programmers in ECE or Computer Science or MIE ….
- Note – I am recording these presentations
  - Will edit into separate videos, only published with unanimous permission

Presentations April 7

#	Project
1	ParkinSense
2	Re:Food
3	Public Protector
4	Flexinome
5	Dynasway: Concussion
6	Track-a-mole
7	ShopAware
8	IllumiSmart
9	Paxifist
10	Protosight

Presentations April 14

#	Project
11	U Health
12	CalmMind
13	Tootti
14	Present Better
15	NWTO
16	Ready
17	iPhasia
18	Interview log
19	Chordable
20	Lightbulb