ECE 1778:
Creative Applications for Mobile Devices

Lecture 12

April 5th, 2011

Today

1. Eventline
2. Grades
3. Final Deliverables
4. Final Presentations, Part 1

Project Eventline

1. Forming Groups
2. One-Page Proposal & Approval
3. Design Plan
4. Plan Presentations
5. Initial Working App – Spiral 2
   - March 8th/15th - 5 minutes max
6. Spiral 4
7. **Final Presentations**
   - **Weeks of April 5 & 12**
8. **Final Report Due April 12th**
   - **9am; 20% marks deducted for late submission**
   - 9am April 7th for those requiring early grade
   - Also Code Submission

Grades

- **My apologies for the slow appearance of grades**

- **Have now put Spiral 2 and Spiral 4 grades on the Portal**
  - No easy way to give written feedback
  - Happy to provide if you're interested, send me email
  - Generally very good
  - Total 10:
    - 3 for presentation
    - 7 for demo
  - Marks lost for lack of clarity in presentation and demo
  - Marks gained for good content in demo

- **More grades to come**

Final Deliverables

Final Report Content

1. Introduction
   - What & why

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

3. Statement of Functionality & Screen Shots from App
   - Did it work?   Describe & show parts that worked
   - For parts that did not work, describe & speculate as to why

4. What would you do differently – what did you learn?

Report Content, continued

5. Contribution by group members
   – Describe what each group member did in project

6. Apper Projects: **Apper Context**
   – 500 words, separate from main word count
   – Describe how what was achieved can influence your research field, or the field of application.
   – Must be written by the Apper only

7. What next?
   – How would the app be augmented to make better?
   – Where would you apply this?
   – Do you think this app could be commercialized? How?

Final Report

- Main Due Date: April 12th
- If want grade by April 15th (for graduation)
  - Due on April 7th

- **Maximum 2500 words: To Encourage Clarity/Brevity**
  - Docked 5% of final report grade for every 10 words over 2500, or proportionate therein
  - Report must include word count in document
  - And calculation of penalty if over 2500
    - Count doesn't include the count or penalty ☺
  - Minimum font size 12 points
  - Doesn't include 500 words from for the Apper Context prose
    - 500 words also a maximum, same penalty applies

2. Final Code Submission

Due with Report, Submit via upload:

- **Android**
  - the .apk file
  - source code in a zip archive (include any server code)
- **iPhone**
  - Full project Source code in a zip archive, compilable under Xcode
  - (include any server code)
- **Both:** Include a Readme that describes the functions of the main source code modules and their names – so we have a hope of navigating the code

Final Presentations

Final Presentations – April 5/12

- **8 minute time limit**
- Four (+ **One)** Slides:
    1. Reprise topic & say what is new in this version
        - A clear statement of the goal, don't assume audience familiar
    2. Show Overall Design
    3. Describe what additional features 'future work' could have
    4. **Apper Projects:** One slide on how this fits into discipline/field
    5. What did you learn? What you'd do differently if starting again
- Demonstration
    - Should be good at demos by now!

Public Relations

Public Relations

- We are recording both April 5th and April12th presentations, for use in:
  - Public Relations
  - For Next Year's Students
  - To help acquire donations of phones next year

- If you wish to keep your work confidential (beyond the classroom) please let me know & I will quarantine that part of the recording

- Also, a UofT Bulletin reporter will be here on the 12th

Final Presentations

April 5th Presentations

1. Carpool – Lourduraj, Hassan, Javed
2. City Fixer – Sunthar, Boyle
3. Mayday: Distress Detection – Mohammadi, Shakeri
4. iAnkle – Shah, Carvahlo, So
5. Anti-Dementia Games – Karkokli, Kim
6. Network Pulse **Network** – Wang, Feng
7. Network Pulse **UI** – Pu, Zhu
8. Shoptimus Prime – Kipper, Leung
9. Mobile Wound Care – Fraser, Delorme, Durrani
10. Noise Mapper – Sabti, Bonilla, Shirali-Shareza
11. United4Iran – Alagheband

April 12th Presentations

11. Sleep Apnea Detection – Sivagyogan, Leung, Lam
12. MRI Visualization – Chen, Rodionov
13. Transportation Greener – Lu, Song
14. Market Research – Wilson, Attarwala, Das
15. Paintball Turret Control – Igharoro, Merat
16. Aerospace Sensor Suite – Tarantini, Choi, Leonard
17. Infinite Mosaic – Yee, Zahedi
18. Aug Reality Shooting Game – Au, Zhou
19. Audience Poller – Heidari, Sadeghlo
20. Face Authentication – Gao, Spachos
21. Solar Measurement – Labelle, Kemp