
ECE 1778: Creative Applications for Mobile Devices



Lecture 7
February 22nd, 2011

(1)



Today

1. Logistics & Project Eventline
2. Project Plan Discussions



Logistics & Project Eventline

(3)



Schedule

- There is no lecture next week – March 1
 - I'm away at a conference, accessible by email



Recall: Spiral Model of Development

- Get the smallest part of your App working as soon as possible.
 - Exercise it, revise it, and build on it
 - Use your common sense to see if it is working, and if your goals need to be adjusted

- Adjusting event line to include **two** spiral milestones

Project Eventline

1. Forming Groups
2. One-Page Proposal & Approval
3. Design Plan
4. Plan Presentations
 - Continuing this week based on submitted document;
- 5. Initial Working App – Spiral 2**
 - March 8th – In class demo 5 minutes max
- 6. Spiral 4 – A more functional version - NEW**
 - March 22 – In class demo – 5 minutes max
7. Final Presentations
 - Weeks of April 5 & 12
8. Final Report Due April 12th



March 8 – In 2 Weeks – In Class Demo

- Spiral 2
 - ‘2’ because you’ll have 1 working next week.
- Bring a phone with your app working
- Prepare a ≤ 5 minute demo
- Bring 1-2 Powerpoint/PDF slides
 - Reminds us the goal ‘the purpose of my app is to ...’
 - Shows top-level block diagram & what is complete
- Demo functioning App
 - Will use external camera on my laptop to project



Two Weeks Later – March 24

- Spiral 4 presentation, similar format
- '4' because 3 occurs in the week in between!



Revised Grading Scheme

■ Assignments: **20%**

- 4 assignments only, 5% each.

■ Project: **80%**

- Proposal 10%
- Plan (incl presentation) 10%
- Spiral 2 5% (change, new)
- Spiral 4 5% (change, new)
- Final Presentation/Demo 15% (change -5%)
- Final Report 35% (change -5%)

Assignments

(10)



Assignment P4 and A4

- Due next week, March 1, at 9am
- After that, free running on project!



Plans Presentations

(12)



In Presentations

- Identify a Spiral 1
 - Something you'll make work next week
- Spiral 2
 - What you'll present on March 8
- Take your block diagrams, and break down into tasks
 - That lead to Spiral 1 and Spiral 2
 - Be prepared, of course, to adjust goals as you go along



Plan Presentations Today

1. Reprise Goal, make more precise
2. Rough design of what the user sees
 - Mock-ups of screens
3. Block Diagrams of Code
 - Top down
 - With short prose description of each
 - Should be linked to the screens



Plan Presentation

4. Statement of Risks/Issues
 - What roadblocks/issues/challenges do you foresee?
 - App-wise, programming-wise, hardware-wise, ethics-wise
5. What do you need to learn that you don't know
 - all members
6. For Groups with Appers
 - Separate Discussion on how Apper contributes to project.
7. Spiral 1 and Spiral 2 targets



Plan Discussions

- Each group member should contribute to discussion
- Come up to front
 - Others contributions welcome!
 - Please be constructive
- Pick a good Name for your project
 - Names are important!



Plans To Review

1. iAnkle – Shah, Carvahlo, So ✓
2. MRI Visualization – Chen, Rodionov ✓
3. Market Research – Wilson, Attarwala, Das ✓
4. City Fixer – Sunthar, Boyle ✓
5. Mobile Wound Care – Fraser, Delorme, Durrani
6. Face Authentication – Gao, Spachos
7. Audience Poller – Heidari, Sadeghlo
8. Anti-Dementia Games – Karkokli, Kim
9. Solar Measurement – Labelle, Kemp
10. Network Pulse - Network – Wang, Feng
11. Network Pulse – UI – Pu, Zhu

Plans To Review

12. Shoptimus Prime – Kipper, Leung
13. Carpool – Lourduraj, Hassan, Javed
14. Transportation Greener – Lu, Song
15. Paintball Turret Control – Igharoro, Merat
16. Mayday: Distress Detection – Mohammadi, Shakeri
17. Noise Mapper – Sabti, Bonilla, Shirali-Shareza
18. Sleep Apnea Detection – Sivagyogan, Leung, Lam
19. Infinite Mosaic – Yee, Zahedi
20. Aerospace Sensor Suite – Tarantini, Choi, Leonard
21. Aug Reality Shooting Game – Au, Zhou

