ECE 1778: Creative Applications for Mobile Devices

Lecture 10
March 24, 2021
Today

1. Logistics
2. Final Presentation & Report Specifications
3. Peer Review
4. Spiral 4 Presentations
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**
   - March 24 (today)
   - March 31
8. Final Presentations
   - Weeks of April 7/14
9. Final Report Due April 21st
Final Presentation
Final Presentations

- **Weeks of April 1 and 8**
  - Let me know by March 25 if you have a specific date requirement

- **Maximum 8 Minutes**
  - More time than usual!

- **Must Be Self-Contained**
  - What does this mean?
  - Assume audience has **no** previous knowledge of your project

- **Who is the audience?**
  - This class, TAs, Instructor
  - Your future employer
  - Your parents
1. Describe motivation/goal – What & Why
2. Description/Demo – with a Good Narrative!
   – Describe how it works and demo it in the best way that conveys the essence of your work
   – Could include weaving of demo + explanation
3. Describe the Structure of the Software
   – A picture may be appropriate here;
   – <= 2 minutes; choose the right level to describe; ask if unsure
4. Future Work
   – additional capability/features if work was to continue
5. Key Learnings - reflection
   – What would you do differently if starting again?
   – Please put thought into this
Video Recordings

- I will record these presentations
  - You will have the choice as to whether recordings will be posted publically
  - The entire group must agree to posting
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
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?
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
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** committed to Project GitHub Archive
   - Not claiming any ownership, just want right to review
Spiral 4 Presentations
Peer Review Questions

1. Summarize the Goal of the Project in your own words.

2. Give a suggestion for a **narrative** that they could use in their final presentation
   - Narrative is some kind of story they could use to make the goal and features clear
   - different from one that they used

3. Suggest one additional feature/function that you think could improve the project, that fits with the original goal

Due the Friday of the week of the Presentation
   - Please submit PDF
One Last Note

- If you are presenting next week, you should take a snapshot of your code as of today, and be sure to present that.

- You **should not** use the extra week to develop more features (put in final presentation instead)
### Presentations March 24

<table>
<thead>
<tr>
<th>#</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Public Protector</td>
</tr>
<tr>
<td>2</td>
<td>Re:Food</td>
</tr>
<tr>
<td>3</td>
<td>Track-a-mole</td>
</tr>
<tr>
<td>4</td>
<td>Chordable</td>
</tr>
<tr>
<td>5</td>
<td>Dynasway: Concussion</td>
</tr>
<tr>
<td>6</td>
<td>Flexinome</td>
</tr>
<tr>
<td>7</td>
<td>ShopAware</td>
</tr>
<tr>
<td>8</td>
<td>Protosight</td>
</tr>
<tr>
<td>9</td>
<td>Paxifist</td>
</tr>
<tr>
<td>10</td>
<td>ParkinSense</td>
</tr>
</tbody>
</table>
### Presentations March 31

<table>
<thead>
<tr>
<th>#</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Present Better</td>
</tr>
<tr>
<td>12</td>
<td>CalmMind</td>
</tr>
<tr>
<td>13</td>
<td>IllumiSmart</td>
</tr>
<tr>
<td>14</td>
<td>U Health</td>
</tr>
<tr>
<td>15</td>
<td>Interview log</td>
</tr>
<tr>
<td>16</td>
<td>Ready</td>
</tr>
<tr>
<td>17</td>
<td>iPhasia</td>
</tr>
<tr>
<td>18</td>
<td>Lightbulb</td>
</tr>
<tr>
<td>19</td>
<td>NWTO</td>
</tr>
<tr>
<td>20</td>
<td>Tootti</td>
</tr>
</tbody>
</table>