Milestones

1. Elevator Pitch and Related Work (Sept. 24)
2. Needs Assessments Initial Results (Oct. 8)
3. System Design, and Initial Implementation Results (Oct. 22)
4. Sustainability / Financial Factors (Nov. 5)
5. Feature Complete (Nov. 19), General Progress Report
6. Working Demo (Dec. 1)
7. Final Presentation Event (Dec. 10)

Elevator Pitch

- _____
  is a _____
- for
  _____
- that, unlike
  _____,
- _____

- This is good to have so that:
  - you know what you're doing
  - you can easily explain it to others

* from Hal Abelson's class

Elevator Pitch

- <name>
  is a <service / app / device / platform / ?>
- for
  <purpose, problem that it solves>
- that, unlike
  <alternatives, current way it's done>,
- <what it does differently>

- This is good to have so that:
  - you know what you're doing
  - you can easily explain it to others

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Solutions and Related Work

- **The Present Solution**
  - How are things done now?
  - What is wrong with that?
- **Alternative Solutions / Related Work**
  - Has anyone else come up with a better solution?
  - Has anyone done something not directly related that may be useful?
- **Your solution (what can you do)**
  - Just use existing solutions and put them together
  - Modify / extend existing solutions
  - How?

Milestone #1 (Sept. 24)

- Present your elevator pitch (1 minute)
- Present Solutions and Related Work
- What you need to do to prepare
  - talk to your project partner to get context, purpose, and current solution (start now!)
    - this is also a form of Needs Assessment
  - do background research on existing/related solutions
  - write-up your proposed improvement

Milestone #2 (Oct. 8)

- **Present Needs Assessment and Feedback results from partner**
  - What does your partner think about your proposed solution?
  - Does it fit their needs?
  - How does this affect your plans?
- **What you need to do to prepare:**
  - present your Milestone #1 report to your project partner (on Sept. 24, regardless of whether your are called)
  - Get their feedback
  - Think about how it affects your proposal / plans

Milestone #3 (Oct. 20)

- System Design and Initial Implementation Results
  - How are you going to achieve your goal?
  - What are the components of the system?
    - block diagram
  - How is it used?
    - users and interface to users
  - How does it work?
    - what happens in different use cases
    - what data moves where?
    - what computation needs to happen?
  - Any potential difficulties?
    - e.g., certain assumed functionality not being available
  - Progress report on initial implementation
- Start working on this asap (Sept. 24 or even before)s

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