Milestone #3: System Design and Initial Demo
Milestone #3: System Design (Oct. 20)

Objectives
• Have a clear idea of ...
  – WHAT you are building
  – HOW you are building it
  – What you aim to get done within the class vs. after
• Get started working on the technical implementation

Deliverables
• Write-up
  – Use Cases
  – Block Diagrams
  – User Interface mock-ups

• Presentation
  – Show most relevant use cases and block diagrams
    • Use concrete examples in your presentation
  – Mock ups are OK
  – Initial Demo of what you’ve gotten to work so far
  – Plan for Priorities / Initial vs. Future features
Answer These Questions ...

- **What are the components of the system?**
  - block diagram

- **How is it used?**
  - Use-cases
  - User interfaces

- **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
  - If so
    - set a date, and responsible person, for determining if it’s a problem
    - have a contingency plan

- **Initial implementation results**
  - Progress report
  - Basic demo
Note ...

• Consider input from your Needs / Context Assessment

• But ... if you don’t have it yet, or things are not clear yet, then just go ahead with your system design

• This is not the same as ignoring needs/ context
  – The intent is to draft something and feed it into the feedback loop
  – i.e., you can show your partners your demos

• Bottom line: START TODAY! (Oct 8)
Some Examples

- **Smart Money**
- **Smart PasaLoad**
- **Globe G-Cash**
- **Adverse Event reporting**
- **School Info Alerts**
An Example from NextLab

- IRD NFC projects
- (insert video here)s
For information about citing these materials or our Terms of Use, visit: http://ocw.mit.edu/terms.