Draft Project – Due May 8th

• Authors, Team, Project Title
• Intro – **Vision Statement** (revised): 2-3 pages
  – Define project specifics, team goals/objectives, background, and assumptions
  – Links to github, travis-ci, slack
• System architecture overview (drawings) – **Project Design**
  – High level diagram (1 page): Architecture Design (see next slide)
  – Interfaces/interactions between components (UML, sequence diag.)
    • Detailed Design (see next slide)
• Requirements (functional and non-functional)
  – **User stories or use cases** → 5+ for first turn-in, 10+ for final turn-in
    -- each prioritized with **acceptance tests**
  • Links to github issues, commits, tests/demos for all subtasks
  • Use Trello or Pivotal and give **links** in draft project
• Appendix
  – List of technologies employed
Your Project Design: Draft Project

• Architecture (hardware/software)
  – Create an abstract/overview picture
  – The detailed design will provide specifics of 1+ components of it

• Detailed design
  – UML diagrams of 4+ primary data structures that comprise the system architecture connected via their associations (if any) – story/use case
    • Ensure that each "class" is balanced in terms of cohesion & coupling
    • Annotate with pre/post conditions when appropriate
  – Sequence diagrams – Required in your draft project
    • 1 synchronous and asynchronous for key interactions between classes
    • 1 User interactions with the system
      – Can be a human user or a machine user (API) interaction
        » Event response, updated application state
      – If you have a user interface: Provide mockups for primary UIs