Capstone Award Judging Criteria

• 5pt **Science**: Has the project demonstrated the application of important, interesting, or new aspects of Computer Science? (e.g. Use of machine learning, non-trivial algorithms, solid distributed system design techniques)

5pt **Practice**: Did the project adhere to techniques that represent the state of best practice in industry throughout the development of the system (e.g. repo workflows, test-driven development, issue tracking, or use of static or dynamic analysis tools)

5pt **Scope**: Has the team attacked a problem of significant (but appropriate) scale and complexity. Does the problem require the development of significant new code and/or the integration of complex exciting parts that are not normally made to interface to one another? Was the project able to complete the goals that it set for itself?

5pt **Teamwork and Presentation**: Do all the members of the team contribute significantly (in their own ways)? Does the team take the process seriously and communicate effectively with one another and the mentors? Is the project presented both in written and spoken form in a way that is compelling and impressive? Has the team developed an impressive demo?
Course Overview: CS189A

• Week 1
  – Class: Introduction to SWE, team management, and processes
  – Friday in lieu of discussion section
    • Company representatives present the challenge problems (Pitch Night!)
    • Oct 6\textsuperscript{th} 3:30-8pm in HFH 1104 (attendance mandatory)
  – Read the recommended readings on the schedule page

• Week 2
  – Form teams (\textbf{4-5 members})
  – Identify \textbf{group leader} and \textbf{scribe}
    • \textbf{Lead}: motivator, picks up all loose ends, settles debates/makes decisions
    • \textbf{Scribe}: records scrums, retrospectives, sprint planning, mentor/TA meetings
  – Choose team/project – Select by 5pm Monday (see \textbf{Claiming} process)
  – Write up vision statement (send to mentors for approval) & turn in
    • Wednesday in class (send to Mentors)
    • Update/finalize for turnin on \textbf{Friday}
• **Claiming a project**
  
  – Only **complete** emails dated after **5pm** on Monday Oct 9 considered

  Email to Chandra (ckrintz@gmail.com) with
  
  • Subject: 189a project selection
  • Sent by group leader (or his/her representative)
  • List of group member names, **identify lead and scribe**
  • A picture of each group member for public posting
  • List all company participants in order of preference

  – FCFS assignments + algorithm
  
  • You are **not** likely to get your top preferences
  • One team per project/company!