

CS189A - Capstone

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Logistics

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- **Lectures**

Mon/Wed/Fri -- 1:00-1:50PM, 387 103

- **Discussions:**

Tue -- 5:00-5:50, 387 103 (but not tomorrow)

- **Instructor:**

Christopher Kruegel (chris@cs.ucsb.edu)

- **Teaching Assistant:**

Hans Nielsen (hnielsen@umail.ucsb.edu)

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- Class website
<http://www.cs.ucsb.edu/~chris/teaching/cs189>
 - We will provide functionality on this website to help
 - access presentations/materials provided by industry partners
 - access deliverables from projects from prior years
 - submit your project deliverables
 - interface with Google services such as Google groups, Google docs, Blogger
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Course Overview

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- 189A first week (Jan. 3-7)
 - (mostly) company representatives present the challenge problems
 - students form teams (~5 members each) and pick projects
- 189A goals
 - specify what the product will do
 - design the product
 - build a prototype

teams iterate on these three activities until they converge to working prototype!

- 189A (~last week)
 - prototype demonstration
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Course Overview

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- In 189A, in addition to building a prototype for the project, you will also prepare the requirements and design specifications
 - please turn in everything either in **pdf** or **html**
 - all project artifacts by all teams will be accessible by class
 - There will be no home works, midterm or final
 - you can devote a lot of time and energy to the project!
 - However, there will be reading assignments and quizzes
 - You will be graded on the project deliverables, quizzes, your performance in presentations and discussions and
 - you will also receive a peer grade
 - I will ask you to grade each other's performance during the project since you know what your team members are doing much better than I
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Structure of the Class

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- The class will be organized as follows
 - Monday lectures: Instructor discusses a general software engineering topic
 - Wednesday lectures: Instructor (or a guest lecturer) presents a tool or a technology related to some or all of the projects
 - Friday lectures: Teams present what they have done and we discuss the progress of each team
 - Tuesday discussions: Project workshop conducted by TA
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This Year's (Mostly) Industry Partners

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- Sam Stokes Microsoft
 - Eron Howard Novacoast
 - Steve Zahm Procore
 - Samuel Gasster Aerospace Corporation
 - Steven Fitzgerald Eucalyptus Systems
 - Giovanni Vigna Webwise Security
 - Andre Sayre RunUO
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How to Claim a Project?

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- To claim a project you have to form a team of
 - **at least 4**, and
 - **at most 6** members
 - **Each** team member has to e-mail the instructor the following:
 - the name of the team
 - the project they wish to work on
 - names of **all** team members
 - The project is claimed by a team when:
 - the instructor receives an e-mail from each team member with the above information (the information in each e-mail has to match) **and**
 - if no other team has claimed the project earlier
 - One team per project!
 - team that gets organized first and sends the e-mails gets the project
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First Three Assignments

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- All the teams must be formed by the beginning of 2nd week of classes, **Monday, January 10**
 - You have to form your teams in the first week and pick a project
 - Each team must prepare a 2-page vision statement about the project describing, due **Friday, January 14th**
 - what the project is about
 - what will be the outcome of the project
 - what will be the implementation platform
 - A team member from each team is going to present this vision statement to the class on **Friday, January 14th**
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