CS 499 – Senior Project II - Spring 2015

Instructor
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Office Hours
MWF 9am – 10am, FANER 2132
WF noon-1pm, FANER 2132
M 3pm – 4pm, FANER 2132

Meeting Time
M 4pm-5pm, FANER 2127
M 6pm-7pm, Computer Lab

Description
Each student as part of a team works with his/her customer/advisor a significant project capitalizing on her prior years of Computer Science education. The scope includes problem selection, requirement specification, design and implementation of the solution.

Goals
To provide a capstone experience for the overall education acquired through the curriculum of the computer science major. To develop the ability to apply the problem solving skills and pertinent knowledge to the identification and solution of real-world practical problems in the chosen area of specialization.

Topics
- Introduction
- Mentor/customer-team formation
- Project planning and problem statement formulation
- Design phase: requirement analysis with survey of methodology and technical resources
- Proposed approach: detailed system description with proposed tasks
- Implementation phase: team work, project management, software development
- Evaluation of the design effort based on customer/advisor guidelines and realistic constraints: economic factors, safety, reliability, aesthetic, ethical and social impact
- Presentation and final report

Grading
Grades will be calculated based on the above criteria.

Final Note
Even though you will work as part of a team, your grade will only reflect your contribution to the project. The grading scheme includes but not limited to quality of the projects and the level of the participation of each team member involvement in a project.