Final Projects Ideas and Guidelines

Lecture #2: A Word on Final Projects Joseph J. LaViola Jr. Fall 2008

Fall 2008

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Project Goals

- Apply knowledge from class lectures and discussions
- Developing a significant piece of software
- Begin master's thesis or PhD dissertation research
- Publish papers

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Project Guidelines

- 6 weeks to do the project
 - scope should fall within timeframe
 - milestones should sync up with project status report days
- Should have some form of evaluation
- Solid code design for reuse
- Research component

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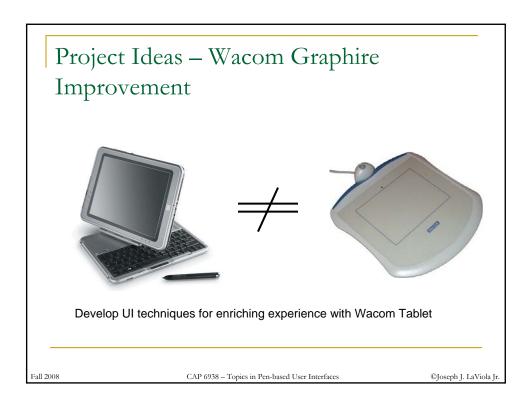
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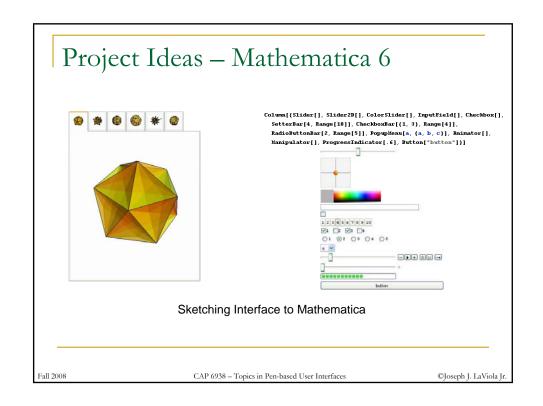
Project Proposal

- Must get proposal approved by professor
- Proposal should include
 - introduction to problem
 - related work
 - what you are going to do
 - what are the novel components
 - □ how you are going to do it (i.e., strategy)
 - measure of success

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Project Ideas -- IPhone

- Create a cool touchbased app for the IPhone
- IPhone SDK



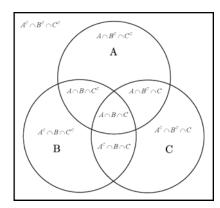
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Project Ideas – Education Tools

- Set Theory tool
 - proof assistant
 - Visualization

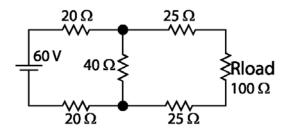


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Project Ideas – Circuit Tool

Sketch out circuit diagrams



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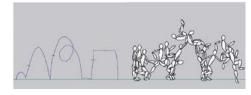
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Project Ideas – Paper Projects

- Implement a paper and make improvements
 - Sketch
 - □ Teddy
 - Ladder
 - □ etc...







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