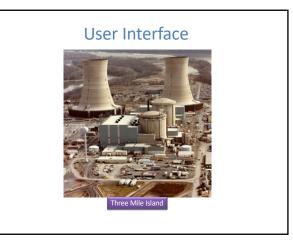
coming up

- α assignment due October 25, at noon
- give anonymous class feedback <u>https://forms.gle/A5TSF3wHu3pos5dm7</u>
- reminder: there will be peer evaluation (first one on Nov 3)



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How do we avoid bad UI?

- Learn from past mistakes
- Build prototypes

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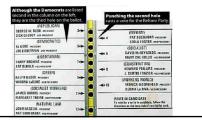
Big questions

- What's the point of prototyping? Should I do it? - If so, when should I?
- Should I make my prototype on paper or digitally?
- How do I know whether my UI is good or bad?
 - What are the ways in which a UI quality can be quantified?
 What are some examples of software you use that have an
 - especially good/bad UI? What do you think makes them good/bad?

Usability and software design

• **usability**: the effectiveness of users achieving tasks – Human-Computer Interaction (HCI).

- Usability and good UI design are closely related.
- A bad UI can have serious results...



Achieving usability

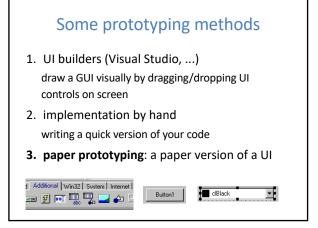
- User testing and field studies

 having users use the product and gathering data
- Evaluations and reviews by UI experts
- Prototyping
 - Paper prototyping
 - Code prototyping
- Good UI design focuses on the user
 not on the developer, not on the system environment
- 7

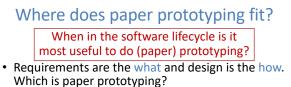
Prototyping

- **prototyping**: Creating a scaled-down or incomplete version of a system to demonstrate or test its aspects.
- Reasons to do prototyping:
 - aids UI design
 - provides basis for testing
 - team-building
 - allows interaction with user to ensure satisfaction

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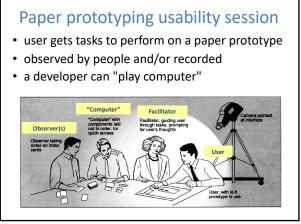


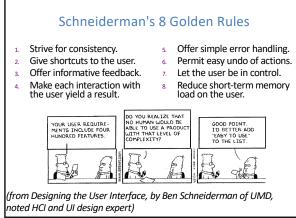
- Prototyping
 - helps uncover requirements and upcoming design issues
 - during or after requirements but before design
 - shows us what is in the UI, but also shows us details of how the user can achieve goals in the UI

Why do paper prototypes?

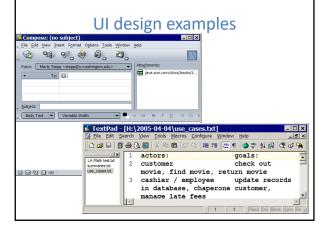
- much faster to create than code
- can change faster than code
- more visual bandwidth (can see more at once)
- more conducive to working in teams
- can be done by non-technical people
- feels less permanent or final

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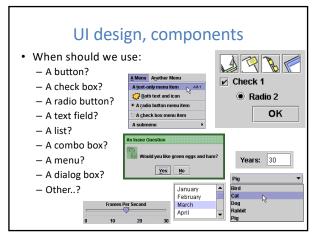




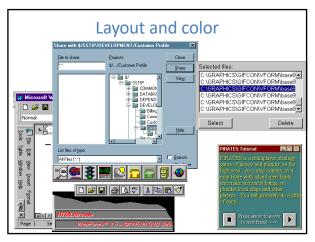


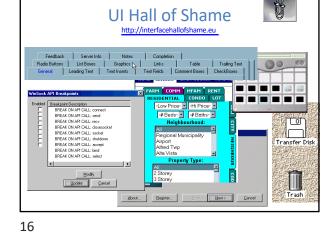


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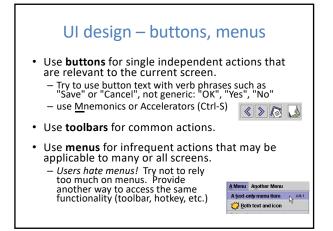


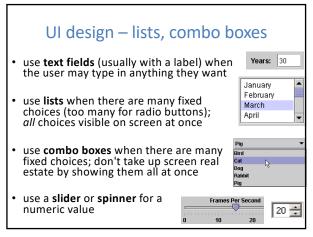
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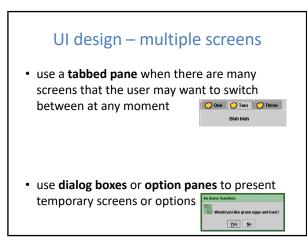


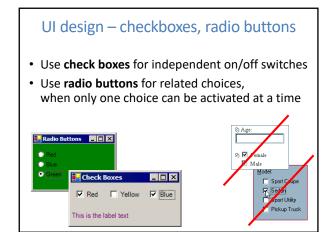


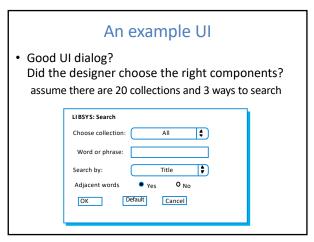
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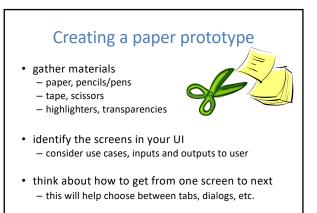






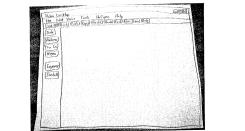




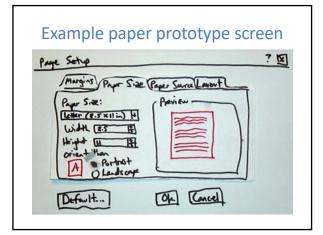


Application backgrounds

• draw the app background (parts that matter for the prototyping) on its own, then lay the various subscreens on top of it



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Representing interactive widgets

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- buttons / check boxes: tape
- tabs, dialog boxes: index cards
- text fields: removable tape
- 5. RA 0 combo boxes: put the choices on a separate piece of paper that pops up when they click ٠
- selections: a highlighted piece of tape or transparency ٠
- disabled widgets: make a gray version that can sit on top of the normal enabled version ٠
- computer beeps: say "beep"

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