

Extracting Requirements

COSC 480: User-Centered Design

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Announcements

- Google NYC Trip
- Guest speakers
 - Erin Brady this Friday
 - Yu Chen next Monday
- T3 due next Wednesday
- PR3 due next Friday



Chapter 5: Extracting Interaction Design Requirements

Represent Requirements as User Stories

User Stories

- User stories are very short narratives that describe how the user interacts with the system and the value that the user gains from it
- User stories take the form:
 - As a <user role>, I want/need <something> so that I can <benefit>
 - Example: As a frequent shopper, I want a way to buy with one click so that I can make a purchase quickly.
 - Alternative form: As a <role>, I can <something>
 - Example: As a frequent shopper, I can make purchases quickly with one click.
- User stories are also known as Point-Of-View (POV) statements

How to Write User Stories

- Give the story a short title for quick identification
- Indicate stakeholder priority for the story:
 - *Essential*: There's no point in building the product if this feature is not present
 - *Useful*: This is not essential, but it would significantly increase the value of the product if present
 - *Optional*: Neither essential nor useful, but would be nice to have
- Include an optional unique story identifier (serial number) for tracking the story—this can be appended to title

User Story Examples

- As a frequent shopper, I want a way to buy with one click so that I can make a purchase quickly.
 - Clear focus on the functionality in terms of the value for the user
- As a frequent shopper, I want the site to maintain a profile of demographic and payment data which is invoked whenever I choose an item with the one-click button so my purchases go faster.
 - Do not specify implementation!

User Stories vs. Epics

- Epics are simply large user stories, encompassing lots of functionality
 - Example: As a user, I can backup my entire hard drive.
- In order to be manageable for design, epics must be disaggregated into more succinct user stories:
 - As a power user, I can specify files or folders to back up based on file size, date created, and date modified.
 - As a user, I can indicate folders not to back up so that my backup drive isn't filled up with things I don't need saved.

Reading for Wednesday



Chapter 6: Constructing Design- Informing Models