Service design

CS4784: HCI Capstone Virginia Tech Instructor: Dr. Kurt Luther

Preview

- Chapter 5 of UX Book
- Service design
- Upcoming milestones
- Next class

Press releases

- Read other teams' press releases
 - See what they're doing
 - Get inspired
- Grades/feedback coming soon

Service design

- Increasingly, US companies provide services, not products
 - Especially true for tech companies
- Traditionally, "user" = "customer"
 - Services often have users who aren't customers: employees, other businesses, etc.
 - Focus on just users (user-centered design) can be limiting
- Service design tries to fill the gap
 - Strategies and tools for designing a service that considers the needs of all stakeholders

Service design questions

- Are you designing a product or a service?
 Are you *sure* it's not a service?
- Where does your content come from?
- What social roles are available?
- Who provides software updates? Customer support?
- How might your project make money?

Service design examples

- Example: Google search
 - Individuals search Google for information on other sites
 - Companies buy ads from Google to show in search results
 - Individuals click Google ads and buy products on other sites
- Who is "the user"?



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Service design examples

- Example: CrowdCrit
 - Designers need feedback from crowd workers
 - Crowd workers need to provide feedback on designs
 - Clients hire designers to create good designs for them
 - Tasks and payments coordinated through Amazon Mechanical Turk API
- Who is "the user"?



Feedback On Your Design



Service design examples

- Example: Tiramisu (campus bus tracker)
 - Riders want to know when bus is coming, if it's full
 - Riders provide the above info when they board
 - Drivers don't want to be tracked in extreme detail
 - University wants to know how efficient its bus system is
- How to identify and manage conflicts?

(Zimmerman et al. 2011)



System map

• A visual description of the service's technical organization: the different actors involved, their mutual links and the flows of materials, energy, information and money through the system.

(servicedesigntools.org)





Actors map

• A graph representing the system of actors with their mutual relations. It provides a systemic view of the service and of its context.

(servicedesigntools.org)





Service design and UCD

- What about user-centered design?
 - Service design augments, doesn't replace, UCD
 - Service design provides strategies and tools to reveal groups of users that might not have been considered
 - Most UCD methods still apply, but must apply to a broader set of users

Upcoming milestones

- Lit review / annotated bibliography
 - Minimum 30 sources with annotations
 - Minimum 75% must be scholarly sources
 - Deliverable is written document with annotated bib plus 2-3 page written summary of overall findings
- Competitive analysis
 - Minimum 10 products/services
 - Minimum 10 dimensions
 - Deliverable is comparison matrix plus 2-3 page written summary of overall findings

Upcoming milestones

- Contextual inquiry and analysis
 - Due March 6
 - Must interview at least 5 people
 - Deliverable: write-up of inquiry process, analysis, interaction requirements

Next class

- Monday: Read Chapter 7, UX Book
- Work on project plan, deadlines
- Meet with sponsor, if you have one