IxD210: Systems

Term Project Phase I: Modeling

**Assignments Detailed Description**

**PHASE I**

*Assignment 1*

**Draft Proposal**

**Due: Feb 12**

*Instructions*

For most of the semester you will be investigating and designing solutions around one problem. For this assignment:

* Pick a business/project (you may need to research and talk to people in several businesses/project before narrowing to one)
* Talk to people in this business. Make sure you establish at least one contact who’s willing to talk to you about the business in the future and give you some kind of access to it
* For Feb 12 print out one paragraph that describes briefly the nature of the business/project you’ve chosen, provides the name(s) and contact info of your point of contact and anyone else you may have talked to or expect to talk to.
* We will discuss these paragraphs in class and make sure you’re on the right track.

*Delivery*

Submit a PDF to Edmodo by the start of class Feb 12 and bring a printed copy to class.

### Rubric

| **Items** | **Pass (2)** | **Fail (0)** |
| --- | --- | --- |
| Preparedness | Turns in assignment and is prepared to discuss in class | Does not turn in assignment or turns in an assignment that fails to provide sufficient context for evaluating the work |

*Assignment 2*

**Final Proposal**

**Feb 19**

*Instructions:* Revise your draft proposal based on feedback received

*Delivery*

Submit a PDF to Edmodo by the start of class Feb 19.

### Rubric

| **Item** | **Pass (3)** | **Fail (0)** |
| --- | --- | --- |
| Preparedness | Turns in complete assignment and is prepared to discuss in class | Does not turn in assignment or turns in an assignment that is too poor to provide sufficient context for evaluating the work |

*Assignment 3*

**Draft Discovery**

**March 12**

*Overview*

This is probably the most ambitious portion of the term project, and requires that you be fairly self-directed. However, if you put serious effort into this you will have a solid foundation for doing the remaining assignments this semester.

A designer is much like a detective trying to understand what’s really happening behind the scenes and beyond the surface appearance of things. Like a detective you will initially face a lot of unknowns and need to blend observation and astute inquiry to succeed. Some preparation is necessary here, but just as important is the ability to listen and follow new and unexpected leads without letting your preconceptions get in your way.

*Instructions*

For this assignment, turn in and be prepared to present the following

1. System diagram(s) communicating:
   * System purpose
   * Actors, Objects & Environmental constraints
   * Challenges
   * Leverage Points
2. Quotes or notes from at least 3 interviews clarifying wants, needs, dreams, and challenges for system actors
3. Photo or video documentation (slideshow or video) of the system actors and processes

*Delivery*

Submit a PDF or URL to Edmodo by the start of class March 12. You will also have 10 minutes to present your material and receive feedback. You should plan to use *5 minutes* to share your material and leave 5 minutes for discussion.*Rubric*You can get up to to 5 points total divided as follows:

| **Item** | **Pass (1)** | **Fail (0)** |
| --- | --- | --- |
| System Diagram | Completed and clear | Not included or lacks sufficient context for evaluation |
| Quotes or notes | Completed and clear | Not included or lacks sufficient context for evaluation |
| Photo documentation | Completed and clear | Not included or lacks sufficient context for evaluation |
| Presentation | Organized, clear and easy to follow presentation of material | Disorganized, unprepared or unrehearsed presentation |
| Extra Effort | At least one of the components shows depth and quality beyond first draft expectations | All components meet minimum expectations |

*Assignment 4*

**Final Discovery**

**March 19**

*Overview*

This is where you complete and refine your draft discovery components and create a Website to present them.

*Instructions*

You will create an HTML5 website to document your findings. The Website will contain 4 sections each containing

1. A home page containing the following 4 sub headings describing your research (AKA a System Summary):
   * System context & purpose
   * Actors, Objects & Environmental constraints
   * Challenges
   * Leverage Points
2. System diagram(s) communicating:
   * System purpose
   * Actors, Objects & Environmental constraints
   * Challenges
   * Leverage Points
3. Quotes or notes from at least 3 interviews clarifying wants, needs, dreams, and challenges for system actors
4. Photo documentation (slideshow or video) of the system actors and processes

Make sure your presentation is complete and you incorporate feedback received on the draft. Practice as much as you can beforehand for the final presentation, ideally doing one dry run presentation with a friend or classmate.

*Delivery*

Submit the URL of your website to Edmodo by start of class March 19. You will have 7 minutes to present your material publicly on this day including time for questions from the audience.

### Rubric

Note for next time:

Rubric would have been easier to use as grading tool if broke down like this:

* diagram - 3 points max
* needs - 3 points max
* research/documentation - 3 points max
* summary/analysis - 3 points max
* website - 3 points max2/19/2014

Mixing the components into the same score made score decision making harder  
  
You can get up to to 15 points total divided as follows:

| **Item** | **Excellent (3)** | **Good (2)** | **Poor (1)** |
| --- | --- | --- | --- |
| System Diagram & Summary  (items 1 and 2 above) | Completed and insightful and visually creative | Completed and makes sense | Has significant logical flaws, or dubious or unsupported assumptions or is not clearly relevant to the problem space. |
| Interview Quotes or notes & Photo Essay (items 3 and 4 above) | Particularly thorough or deep or captures insight in an unusually powerful way | Completed and visually compelling, captures key points | Message is unclear or incomplete, visuals fail to support the key points |

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| **Item** | **Excellent (4)** | **Good (2-3)** | **Poor (1)** |
| --- | --- | --- | --- |
| Presentation | Extremely high quality experience in terms of storytelling, visual appearance or communication style. | Presentation is well organized, smoothly presented and effectively explains the system context, actors and challenges. Higher scores for better visual design and narrative flow. | Presentation is disorganized, or unrehearsed or fails to provide sufficient context for evaluating the work. |

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| **Item** | **Excellent (5)** | **Good (3-4)** | **Poor (1-2)** |
| --- | --- | --- | --- |
| HTML 5 Website | Demonstrates close attention to detail and particular elegance with respect to visual design. | Contains all required sections, provides clear navigation between sections and has a consistent look and feel. | Inconsistent visual design, confusing layout, difficult navigation or incomplete content |