HCI 430: Prototyping & Implementation

2018/2019 Autumn Quarter

Instructor

Owen Schaffer

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When and Where

Class Time and Location: Thursdays 5:45pm - 9pm, CDM 226.

Office Hours: Thursdays 4:10pm – 5:40pm, CDM 806 (8th floor, turn left out of elevator, first office on left). Sign up on Bluestar or email for an appointment at least 1 day in advance.

Course Web page: http://d2l.depaul.edu

Course Description

Overview of prototyping methods ranging from low-fidelity to interactive script-based prototypes. Analysis of prototyping tools and their relative advantages. Projects include prototype development over multiple iterations using a variety of strategies.

PREREQUISITE(S): Students must have completed or be concurrently enrolled in HCI 440 or HCI 441 to register for this course. (Note: IT 411 is no longer required. Email the instructor if the IT 411 prerequisite is preventing you from registering for the course.)

Schedule

WEEK	TOPIC	ASSIGNMENT
#1	Introduction	Tiny Fingers + Design Practice summary (Individual, due in 1 week)
#2	Wireframes + Axure	Axure Assignment (Individual, due in 1 week)
#3	Mobile Design + Design Charrettes	Sketches + Mood Board (Group, due in 1 week)

#4	Agile + Lean UX	Narrative Digital Prototype (Group, due in 1 week)
#5	Mid-Fi Prototypes + User Testing	Mid-Fi Evaluation Prototype (Group, due in 2 weeks)
#6	Responsive Prototyping + Speech Prototyping	Responsive Axure Assignment (Individual, due in 2 weeks)
#7	Mobile Prototyping Tools	
#8	Hi-Fi Prototyping	Hi-Fi Prototypes & Portfolio Piece (Group, due in 2 weeks)
#9	Job Search + Portfolio	Take Home Exam – Response to an RFP (Individual, due in 2 weeks)
#10	Presentation of Hi-Fi Prototypes	
#11	Final Submission	

ASSIGNMENTS AND GRADING

Note: For the assignments below, Blue = individual assignment, Black = group assignment.

ASSIGNMENT	TOPIC	TOOLS/DELIVERABLES	GRADE
#1	Discuss articles on prototyping	Paper Report	10
#2	Simple Axure Example	Paper Sketches + Axure Wireframe, Paper Report	10
#3	Create scenarios and personas for multi-channel app	Paper Sketches + Image Collage in Google Slides or PowerPoint	5
#4	Build a narrative prototype	Video of Slide Presentation Prototype of One Happy Path of Interface (Can Use Any Digital Prototyping Tool)	5
#5	Build and evaluate mid-fi prototype	Mid-Fi Prototype in Axure, Paper Report	20

#6	Build responsive prototype	Responsive Prototype in Axure	10
#7	Build hi-fi prototype & portfolio piece	Hi-Fi Prototype in Axure (or Any Other Digital Tool); Group Presentation	20
#8	Respond to RFP for prototyping services	Paper Report / Take Home Exam	20

Students receiving more than 90% of possible points are guaranteed at least an A-, more than 80% at least a B-, more than 70% at least a C-, and more than 60% at least a D.

ATTENDANCE

It is expected that you will attend every class; it is the single most important action you can take to master the course objectives. You are responsible for all material covered, assignments delivered or received, and announcements made in class sessions that you miss. For online students, this means viewing the classes in a timely manner, participate in the discussion forum, and being sure to email in any questions that you have.

Recordings of each lecture will be available a few hours after the "live" class, and can be found at the course website (D2L). Online students are expected to watch the lectures every week and to keep up with the course information posted on the course website. The best way to contact me is through email.

SOFTWARE

While many tools will be discussed, the main digital prototyping tool we will use in this course will be Axure. To request a free student license using your university email address (@depaul.edu or @mail.depaul.edu) and download the free trial version to use until they send you a license, go to: https://www.axure.com/edu

EXPECTATIONS

All students are expected:

- To read this document in full.
- To attend all classes (online students are expected to watch each lecture). If you miss a class, it is your responsibility to watch the lecture recording and to get copies

of the notes or documents handed out in class. All lecture recordings are linked to the course website at http://d2l.depaul.edu

- To participate actively to class discussions and activities and to work on the in-class exercises.
- **To ask questions in class, during office hours, on the D2L discussion board, or by email if you need help, if you are confused, or if you are just curious about anything relevant to the course, including the lectures and assignments.**
- To be familiar with all the course documents and notes posted at the course website.
- To strictly adhere to the University Academic Integrity Policy, that is published in the Student Handbook or at the Academic Integrity site at DePaul University (http://academicintegrity.depaul.edu).
- Violations of the University Academic Integrity Policy include (but are not limited to): (a) using or providing unauthorized assistance or materials on course assignments; (b) possessing unauthorized materials during an examination; (c) submitting as one's own any material that is copied from published or unpublished sources such as the Internet, print, computer files without proper acknowledgement that it is someone else's; (d) submitting as one's own work a report, examination, paper, computer file, lab report or other assignment which has been prepared by someone else. If you are unsure about what constitutes unauthorized help on an exam or assignment, or what information requires citation and/or attribution, please ask your instructor. If proven, violations may result in the failure of the assignment, failure of the course, and/or additional disciplinary actions.

TUTORS

The tutors' schedule is at:
http://www.cdm.depaul.edu/advising/Pages/TutoringProgram.aspx

SCHOOL POLICIES

Online Instructor Evaluation

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation

is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over two weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online at https://mycti.cti.depaul.edu/mycti

Email

Email is the primary means of communication between faculty and students enrolled in this course outside of class time. Students should be sure their email listed under "demographic information" at http://campusconnect.depaul.edu is correct.

Academic Integrity Policy

This course will be subject to the academic integrity policy passed by faculty. More information can be found at http://academicintegrity.depaul.edu/

Plagiarism

The university and school policy on plagiarism can be summarized as follows: Students in this course should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work any assignment which has been prepared by someone else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor.

Incomplete

An incomplete grade is given only for an exceptional reason such as a death in the family, a serious illness, etc. Any such reason must be documented. Any incomplete request must be made at least two weeks before the final, and approved by the Dean of the College of Computing and Digital Media. Any consequences resulting from a poor grade for the course will not be considered as valid reasons for such a request.

Resources for Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential. To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at Lewis Center 1420, 25 East Jackson Blvd. Phone number: (312)362-8002.