CGT 256

PRINCIPLES OF UX DESIGN PERSONAL PORTFOLIO JESSIE KEOWN

Competency 1: Foundations

WHAT I LEARNED FOR FOUNDATIONS (UCD, UCD VALUES, UXD, STRATEGY, TEAMING)

- 1. I developed understanding of the UCD process and values
- 2. I helped conduct project information planning

MY EXAMPLES

K	W	н	L		
What I Know	What I Want to Know (goal) Research Logic Model: (purpose)	How Will I Learn it (method) (oction)	What I Have Learned (findings (outcome)		
- Purcha extuents struggle with resplication or consumer and consumer and - Purchas offers basis bloycling elementation on their web-trial - The Warea spile is usef-inding spill that better deemed pretty supervisit must be freeholded. - The quality of Purchas's bible paths on campus cause issues	Now die students schie probleme they have presently (in genraal)?	- conduct 4 interviews as primary research. - organization analysis and synthesis of user data.	What are the common difficulties that students loss when billing around campus? — podeodrane in bibs land in the common students of the common students of the consistent last of this rack space. — Indiang the best and most efficient route to get to clais efficient route to get to clais.		

P1 KWHL - used to plan project scope and desired information



P4 timelines - used to plan out project efforts and strategy to complete deliverables Each person on the team conducts a round of usability testing 1. Product Under Test - JESS a. What is being tested? What are the business and experience goals of the 2. Business Case - JESS a. Why are we doing the test? h. What are the benefits? c. What are the risk of no testing 3. Test Objectives - JESS a. What are the goals of the usability test? What specific questions will be answered? c. What hypotheses will be tested? 4. Participents - CONNOR a. How many participants will be recruited? b. What are their characteristics? 5. Equipment - CONNOR . What equipment is required? b. How will you record the data? 6 Test Tasks - CONNOR a. What are the test tasks? 7. Responsibilities - JACK a. Who is involved in the test and what are their responsibilities? 8 Location and Dates - JACK a. Where and when will the test take place? b. When and how will the results be shared? 9. Procedure - JACK a. What are the main steps in the test procedure?

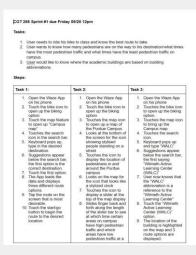
P4 usability dashboard strategy to completion of tasks by team members

Competency 1: Foundations

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MY EXAMPLES



P2 Sprint #1 Organizational Plan - used to plan and execute sprint testing based on tasks, divided among team members, served as a place to put data and information gathered



Competency 2: User Research and Design Requirements

WHAT I LEARNED FOR USER RESEARCH (METHODS, PLANNING, COLLECTING, ANALYZING, SYNTHESIZING)

- I led user interviews
- 2. I helped my team synthesis data from user interviews

MY EXAMPLES



P1 Interview planning and data collection - displays list of insightful questions for interview and information gather from session

Synthesize Page 1

- Most students on campus find it difficult to navigate campus on a bike due to issues with pedestrians.
- Bike lanes are often poorly marked or disconnected making it difficult to tell which paths are intended for pedestrians and which are intended for cyclists.
- Pedestrians are frequently found walking in or blocking the bike lane, making it difficult for cyclists to ride about campus.
- If bike crashes occur, the likely cause was pedestrians in the bike lanes.
- Crowded and more popular areas of campus are common for pedestrians in bike lanes and disrupting traffic flow.

Synthesize pg2

- Poorly marked lanes
- · Poorly placed or thought out lanes
- · Congestion from pedestrian traffic intruding onto the bike lanes

 $\underline{Root\ Problem} \ - \ Poorly\ marked/placed\ bike\ lanes\ and\ incompetent\ pedestrians\ leads\ to\ traffic\ disruptions$ for cyclists on campus.

Purdue students that choose to bike on campus should have just as much freedom and ease in navigating campus as students who walk or commute.

P1 Interview synthesis - displays further analysis of findings and application to problem

Competency 2: User Research and Design Requirements

WHAT I LEARNED FOR USER RESEARCH (METHODS, PLANNING, COLLECTING, ANALYZING, SYNTHESIZING)

- 1. I participated in affinity diagramming and helped narrow scope for project deliverables
- 2. I created a Proto-persona to create a plan for project efforts and design requirements

MY EXAMPLES



P1 Affinity diagramming - displays analysis of collected user research data, organization of data into topics



P4 Proto-persona showcases development of persona based on research data and planning for project efforts to meet the requirements of user needs, tasks, and fears/pain points

Competency 3: Conceptual Design

WHAT I LEARNED FOR CONCEPTUAL DESIGN (SKETCHING, CONCEPTS, USER FLOWS, SCENARIOS)

1. I learned how to brainstorm in different ways to create new and innovative ideas

2. I sketched different ideas to meet the design requirements and needs based on user project

BIKING APP

to THENE CLASSES

(BIKE, WALK, PHVE)

DIRECT WALKING,

BIMNG AND DENTS

MANITURE MAHLY
FREQUENTED AREA
WITH MAP OF

CAMINS

TO PIFFERENT PATHS

*INTENT TO

BIKE PATH

research

PUNIUN

MY EXAMPLES



P2 Screen design sketches - design ideas to meet the needs and design requirements based on research data



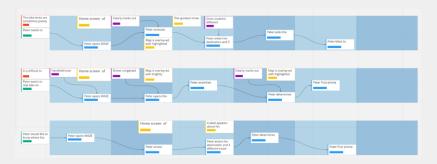
P2 Crazy 8's brainstorming
activity that
involves quick
sketching of
possible design
solutions

Competency 3: Conceptual Design

WHAT I LEARNED FOR CONCEPTUAL DESIGN (SKETCHING, CONCEPTS, USER FLOWS, SCENARIOS)

1. I developed a scenario based on an identified root problem to help further project efforts

MY EXAMPLES



P1 Persona and Scenario displays understanding of scenario and persona application for project deliverables





Page 1000 cm.

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Competency 4: Evaluation Methods

WHAT I LEARNED FOR EVALUATION METHODS (USER FEEDBACK, USABILITY TESTING, DESIRABILITY TESTING)

- 1. I led a Heuristic evaluation to gain insight on project developments that need to be made
- 2. I gathered data from desirability testing to analyze findings

MY EXAMPLES

Neuristic Evaluation We have conducted as each fearuristic Evaluations of the Coagolish website to gain whater understanding of the actions that users complete when interacting with the side to complete profile sizes. The Heartistics flow analyzed in the activity were: leaching and Efficiency of Use A processions or jumpsome by the movie user — may offer speed up the interaction.	1 - Cosmetic p 2 - Minor usab 3 - Major usab 4 - Usability o	e that this is a usability problem roblem only need not be fixed slifty problem, fixing this should fifty problem, morportant to fix, is atastrophe, imperative to fix the stack kitten from the Lafayette.	unless extra time is as be given low priority a should be given high a before product can b	priority
for the expert user such that the system can cater to both inexperienced and experienced users. Allow users to tailor frequent actions.	Severby	Location	Heuristicilissue	Recommendation/ Comment
cell for the control of the control	*	Homepage	Recibility and Efficiency of Use	All of the sort is the same color and fort size, it is difficult to look at. The whole page kind of thurs together. We like the contest of the blue on the white background but would offer some venation in color in the different columns.
her control and freedom Users often Code system functions by mistake and will need a clearly marked "semegracy set?" to leave the unwarked state without having to go trough an Secretary and secretary of the code of the	1	Homepage	Aesthetic and Minimalist Design	The text on the page is the same fort with a consider of other scheme. There are not too many destinating colors to takenway. It is wend that location header text as a different color. We recommend changing the subtoylors under each tops to be the same color (black) as the header.
conventions, making information appear in a natural and logical order. Mail indefining the historiation for this satisfue, our team decided upon these three tasks in evaluate and rate on the Craggist wholes. Buy a black Marin from the Lafleytide wine. Buy a pelic carrier for a reasonable price. Buy a pelic carrier for a reasonable price. Find credite contact information from soliders before completing purchase.	3	Homepage - Location Selection/Input	Recognition rather than recall	It is not clear that the grey box with black text at the top center of the screen can be modified to allow the user to input the desired location. We recommend that there be a hover

P4 Heuristic evaluation used to evaluate design features to make improvements in project deliverables

Screening Questions	Age?	Major?	Experience?		Conclusion Questions	Feedback?	Notable Elements?	Noticed Changes?	Unneeded Changes?			
Participant #1	20	Computer Engin	Visited the site b		Participant #1	2nd round of pic	Logo looks more mode	I most noticed the	: No not really			
Participant #2	20	Microbiology	No I've never rea		Participant #2	The new looks	The categories bar rep	I like the inclusion	The colors are still a ti			
Participant #3	20	Religious Studie	No experience v		Participant #3	The new design	logo, pictures	the first site was w	They were all good ch			
Participant #4	20	Mechanical Eng	Little experience		Participant #4	Love the new lo	Color scheme and hom	I like the more mod	I think all changes wer	e beneficial		
Craigslet Home Page	Word 1	Word 2	Word 3	Word 4	Word 5		Home Page Mockup	Word 1	Word 2	Word 3	Word 4	Word 5
Participant #1	Busy	Overwhelming	Boring	Stressful	Frustrating		Participant #1	Professional	Creative	Satisfying	Advanced	Helpful
Participant #2	Overwhelming	Frustrating	Boring	Busy	Overwhelming		Participant #2	Advanced	Easy-to-Understand	Straight-forward	Simplistic	Organized
Participant #3	Boring	Simplistic	Easy to understa	Straightforward	Organized		Participant #3	Professional	Organized	Easy to understa	Familiar	Helpful
Participant #4	Boring	Busy	Simplistic	Frustrating	Stressful		Participant #4	Creative	Professional	Easy-to-understa	Helpful	Familiar
Craigalist Listing Page	Word 1	Word 2	Word 3	Word 4	Word 5		Listing Page Mockup	Word 1	Word 2	Word 3	Word 4	Word 5
Participant #1	Boring	Simplistic	Straight-forward	Frustrating	Organized		Participant #1	Helpful	Organized	Straight-forward	Familiar	Responsiv
Participant #2	Simplistic	Relevant	Boring	Familiar	Stressful		Participant #2	Organized	Familiar	Satisfying	Relevant	Advanced
Participant #3	Boring	Simplistic	Organized	Straightforward	Familiar		Participant #3	Familiar	Straightforward	Organized	Helpful	Advanced
Participant #4	Boring	Overwhelming	Stressful	Straightforward	Familiar		Participant #4	Organized	Simplistic	Collaborative	Satisfying	Familiar
Craigalist Posting Page	Word 1	Word 2	Word 3	Word 4	Word 5		Posting Page Mockup	Word 1	Word 2	Word 3	Word 4	Word 5
Participant #1	Boring	Busy	Simplistic	Frustrating	Overwhelming		Participant #1	Professional	Helpful	Organized	Easy-to-Underst	Reliable
Participant #2	Stressful	Frustrating	Boring	Flexible	Simplistic		Participant #2	Organized	Creative	Professional	Straight-forward	Reliable
Participant #3	Boring	Relevant	Simplistic	Organized	Easy to understand		Participant #3	Boring	Simplistic	Straightforward	Helpful	Relevant
Participant #4	Frustrating	Busy	Relevant	Boring	Familiar		Participant #4	Organized	Simplistic	Helpful	Easy-to-understa	Relevant

P4 Desirability testing - exhibits attempt at evaluation of data from desirability testing of project website mockups

Competency 4: Evaluation Methods

WHAT I LEARNED FOR EVALUATION METHODS (USER FEEDBACK, USABILITY TESTING, DESIRABILITY TESTING)

1. I helped conduct desirability testing with users to evaluate project design methods

MY EXAMPLES



P4 Desirability testing -Displays further understanding and attempt to evaluate design improvements



MY TAKEAWAYS

- 1. UCD Processes and Project Planning
 - a. I learned the importance and value behind the UCD and strategic project planning and their benefits in projects and design efforts. I hope to use these ideas in my future assignments and potential projects in college and in a future job setting.
- 2. Interviews and Data Synthesis
 - I now understand the importance of structure behind an interview and the value in analyzing the findings.
 I plan to use interviews in future projects to gain a better understanding of things I may not have previously considered.
- 3. Brainstorming
 - a. I learned the value of different types of brainstorming such as quick sketching. I plan to use the different brainstorming activities from this course in future projects and assignments.
- 4. Heuristic Evaluation
 - a. I now know the value of evaluations in design and project efforts. They offer great insight and I plan to apply what I have learned in my upcoming projects and tasks in a work environment.
- 5. User testing
 - a. I have begun to understand the importance of outside feedback and information. User testing has been very beneficial in my designs in this class and I hope to continue a pursuit for feedback in my personal projects and future assignments as they offer ideas that I may not have ever considered.