

EXAM & REFLECTION



LONG TEST

UNIVERSITY VISION

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CAVITE STATE UNIVERSITY
Silang Campus
Biga 1, Silang, Cavite

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Cavite State University shall provide excellent, equitable and relevant educational opportunities in the arts, science and technology through quality instruction and responsive research and development activities. It shall produce professional, skilled and morally upright individuals for global competitiveness.

Department of Information Technology MIDTERM EXAMINATION Second Semester S.Y. 2024-2025 ITEC 101 – HUMAN COMPUTER INTERACTION II SET A

NAME:	KRISTINE A. REPENTE	SCORE:	36 36/70
INSTRUCTOR:	JOHNEROS P. PUYO	DATE:	04-10-23
		SECTION:	B1 IT - 3B

General Directions: READ THE INSTRUCTIONS CAREFULLY. AVOID ERASURES AND ALTERATIONS OF THE FINAL ANSWERS. CHEATING IS NOT ALLOWED. WRONG SPELLING IS WRONG. USE OF PENCIL IS NOT ACCEPTED.

I. MULTIPLE CHOICE: Read the question carefully and understand, and choose the right answer from the choices (1 point)

1. A company wants to design a website that adapts to different screen sizes. What HCI principle should they prioritize?
 - A. Visibility
 - B. Consistency
 - C. Responsiveness
 - D. Affordance
2. A user struggles to remember a 16-character password. Which usability principle can improve this experience?
 - A. Error prevention
 - B. Recognition over recall
 - C. Flexibility
 - D. Efficiency
3. A bank app requires customers to verify their identity with a fingerprint. This improves:
 - A. Cognitive load
 - B. Accessibility
 - C. Security and usability
 - D. Heuristic evaluation
4. A self-driving car's interface alerts the driver 10 seconds before taking control. This ensures:
 - A. User freedom
 - B. System transparency
 - C. Minimalism
 - D. Memorability
5. Which method is most effective for evaluating how users interact with a new prototype?
 - A. Heuristic evaluation
 - B. A/B testing
 - C. Card sorting
 - D. Affordance testing
6. A social media platform wants to reduce fake accounts while keeping the signup process simple. What approach is best?
 - A. Require lengthy verification processes
 - B. Implement a CAPTCHA test
 - C. Request multiple forms of ID
 - D. Ask security questions
7. A healthcare app provides voice-based navigation for visually impaired users. This feature enhances:
 - A. Learnability
 - B. Accessibility
 - C. Consistency
 - D. Minimalism
8. A productivity app provides users with keyboard shortcuts and drag-and-drop functionality. This follows the principle of:
 - A. Affordance
 - B. Flexibility & efficiency
 - C. Error prevention
 - D. Memorability
9. A smart home system allows users to set automated schedules for appliances. What principle does this represent?
 - A. User control & freedom
 - B. Feedback
 - C. Visibility
 - D. Efficiency
10. A food delivery app allows users to track the location of their order. This supports:
 - A. System feedback
 - B. Customization
 - C. Learnability
 - D. Memorability
11. A travel booking website displays available flight options with a progress bar showing seat availability. This improves:
 - A. Learnability
 - B. Visibility of system status
 - C. Accessibility
 - D. Minimalism
12. A new gaming console uses a UI similar to previous versions to help returning users adapt quickly. This demonstrates:
 - A. Consistency
 - B. Aesthetic appeal
 - C. Affordance
 - D. Error prevention
13. A customer service chatbot provides instant responses and suggests possible solutions before connecting to a human agent. This is an example of:
 - A. Cognitive overload
 - B. User control
 - C. Efficiency
 - D. Heuristic evaluation
14. A messaging app allows users to unsend a message within 10 seconds. This feature supports:
 - A. Memorability
 - B. Error recovery
 - C. Accessibility
 - D. Affordance
15. A news website uses infinite scrolling. This can negatively impact:
 - A. Accessibility
 - B. System feedback
 - C. Cognitive load
 - D. Error prevention

MIDTERM EXAM

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Department of Information Technology
First Semester S.Y. 2023-2024
ITEC 101 – Human Computer Interaction II
Long Quiz Midterm
SET A

I - 6
II - 8
III - 8
IV - 10

32/40

General Instruction: Read the following questions. Wrong answer is wrong. Erasure is not allowed, and Alteration of the final answer is not permitted.

C

I. Multiple Choice (10 points)

1. What is the main goal of user-centered design?
A. Make the system look modern
B. Prioritize user needs and usability
C. Add more complex features
D. Reduce the need for user testing
2. If a website does not indicate loading progress, which usability principle is violated?
A. Visibility of system status
B. User control and freedom
C. Error prevention
D. Match between system and real world
3. Which of the following is an example of direct interaction?
A. Using a keyboard shortcut to copy text
B. Clicking a button to submit a form
C. Coding a command in a terminal
D. Using voice commands to control a system
4. Which prototype type is least expensive but still useful for testing concepts?
A. Paper sketch
B. High-fidelity prototype
C. Fully functional prototype
D. Animated prototype
5. A website with too many categories and subcategories might cause:
A. Easy navigation
B. Cognitive overload
C. Increased user engagement
D. Stronger user retention
6. What type of navigation lets users apply filters such as price, size, or brand?
A. Hierarchical navigation
B. Global navigation
C. Faceted navigation
D. Local navigation
7. What usability testing method involves observing users perform real tasks?
A. A/B Testing
B. Heuristic Evaluation
C. Usability Testing
D. Card Sorting
8. A login page does not show password requirements before the user submits their password. What heuristic is violated?
A. Error prevention
B. Recognition rather than recall
C. Flexibility and efficiency of use
D. Aesthetic and minimalist design
9. What does Fitts' Law suggest about UI design?
A. Bigger targets are easier to hit
B. Scrolling is better than clicking
C. Users should always remember commands
D. Icons should be the same size
10. What is the purpose of wireframing?
A. Improve final product visuals
B. Plan the layout and structure
C. Test website speed
D. Write user manuals

8

II. True or False (10 points)

11. T A user flow diagram helps visualize how a user navigates an interface.
12. F Error messages should be technical and detailed to help users debug the issue.

FINAL EXAM

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Department of Information Technology
FINAL EXAMINATION
Second Semester S.Y. 2024-2025
ITEC 101 – HUMAN COMPUTER INTERACTION II

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INSTRUCTOR:	Johneros Puyo	DATE:	06 - 19 - 23
		SECTION:	BSIT-3D

General Directions: READ THE INSTRUCTIONS CAREFULLY. **NO ERASURES AND ALTERATIONS** OF THE FINAL ANSWERS. CHEATING IS NOT ALLOWED. WRONG SPELLING IS WRONG. **USE OF A PENCIL IS NOT ACCEPTED.** LACK OF NEEDED INSTRUCTIONS FROM THE ABOVE WILL RESULT IN THE DEDUCTION OF POINTS.

I. REMEMBERING: Read each question carefully and select the letter of the correct answer. Write only one letter for each item.

- B 1. What does web accessibility ensure?
A. Faster internet browsing B. Visually appealing websites
C. Use of animations D. Usability by individuals with disabilities
- B 2. Which of the following is NOT one of the POUR principles?
A. Perceivable B. Personalized C. Operable D. Understandable
- A 3. What does the "P" in POUR stand for?
A. Perceivable B. Practical C. Performable D. Portable
- C 4. Who publishes the WCAG guidelines?
A. Mozilla B. Microsoft C. W3C D. Google
- A 5. What is the minimum contrast ratio required by WCAG AA for normal text?
A. 2:1 B. 3:1 C. 4.5:1 D. 5:1
- A 6. Which HTML element is an example of semantic HTML?
A. <div> B. C. <nav> D.

- B 7. Why is semantic HTML important for accessibility?
A. It saves bandwidth B. It helps assistive technologies interpret the layout
C. It makes pages load faster D. It reduces server errors
- A 8. Which disability group benefits most from captions in videos?
A. Motor disabilities B. Cognitive impairments C. Visual impairments D. Auditory impairments
- D 9. What ARIA attribute hides content from screen readers?
A. aria-label B. aria-live C. aria-pressed D. aria-hidden="true"
- A 10. Which of the following is a design tip for users with motor disabilities?
A. Provide alt text B. Use high color contrast C. Ensure full keyboard navigation D. Avoid auto-playing audio
- B 11. What should be avoided for users with cognitive disabilities?
A. Plain language B. Complex layouts C. Headings and white space D. Consistent navigation
- C 12. Which of the following helps improve keyboard navigation?
A. Auto-play videos B. Using only a mouse C. Logical tab order D. Complex focus styles
- B 13. What is the purpose of aria-label?
A. Hides content B. Provides label for custom controls C. Changes background color D. Displays tooltips
- B 14. Which contrast ratio is acceptable for large text under WCAG?
A. 2.5:1 B. 4.5:1 C. 3:1 D. 1:1
- A 15. What is an appropriate practice for visual impairments?
A. Using flashing animations B. Avoiding color-only information
C. Using auto-playing audio D. Complex layouts
- C 16. Which ARIA role is used for custom buttons?
A. role="menu" B. role="checkbox" C. role="button" D. role="image"

REFLECTION

By making my web portfolio and uploading it to GitHub, I learned a lot about creating a website and saving my work online. I learned how to make important parts of a website like the Homepage, About, Projects, Quizzes, and Contact pages. I practiced how to show my skills, experiences, and projects in a neat and organized way. I also learned how to use GitHub to upload my files and manage my website. This activity taught me how important it is to have an online portfolio and to know how to update and take care of it for future use.

