

25 Lecture - CS408

Important Mcqs

What is design synthesis in the context of Human Computer Interaction (HCI)?

- a) The process of gathering data from users
- b) The process of integrating and interpreting data from user research
- c) The process of creating visual design artifacts
- d) The process of evaluating design concepts

Answer: b) The process of integrating and interpreting data from user research

Which of the following is not a key step in design synthesis?

- a) Data analysis
- b) Concept generation
- c) Prototype testing
- d) Concept evaluation and refinement

Answer: c) Prototype testing

What is the role of user feedback in design synthesis?

- a) To gather data from users
- b) To validate and refine design concepts
- c) To create visual design artifacts
- d) To evaluate design effectiveness

Answer: b) To validate and refine design concepts

How does design synthesis contribute to a user-centric approach in design?

- a) By gathering data from users
- b) By creating visual design artifacts

c) By integrating user feedback

d) By testing prototypes

Answer: c) By integrating user feedback

What are some common design artifacts created during design synthesis?

a) Wireframes and mockups

b) Surveys and questionnaires

c) Data charts and graphs

d) User personas and scenarios

Answer: d) User personas and scenarios

How can design synthesis minimize the risk of design failures?

a) By gathering more data from users

b) By creating multiple design concepts

c) By involving users in prototype testing

d) By visualizing design ideas with design artifacts

Answer: c) By involving users in prototype testing

What are some criteria used for evaluating design concepts during design synthesis?

a) Usability, feasibility, and desirability

b) Data accuracy, reliability, and validity

c) Aesthetic appeal, color palette, and typography

d) Marketing potential, competition analysis, and target audience

Answer: a) Usability, feasibility, and desirability

Which of the following is not a common step in design synthesis?

a) Data analysis

b) Concept generation

c) Prototype development

d) Concept evaluation and refinement

Answer: c) Prototype development

What is the purpose of concept evaluation and refinement in design synthesis?

a) To gather more data from users

b) To select the best design concept

c) To create visual design artifacts

d) To conduct usability testing

Answer: b) To select the best design concept

Why is design synthesis considered a crucial step in the overall user-centered design process?

a) It helps gather data from users

b) It creates visual design artifacts

c) It involves prototype testing

d) It integrates user feedback and aligns design with user needs

Answer: d) It integrates user feedback and aligns design with user needs