# 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