40 Lecture - CS506

Important Mcqs

Sure, here are 10 multiple-choice questions (MCQs) related to Model 2 Architecture (MVC) with solutions and multiple options:

Question 1: What is the primary goal of Model 2 Architecture (MVC)?

Options:

- A) Optimize database performance
- B) Simplify user interface design
- C) Separate concerns in web applications
- D) Enhance network connectivity

Solution: C) Separate concerns in web applications

******Question 2:** In Model 2 Architecture, which component is responsible for managing data and business logic?

Options:

A) Model

B) View

- C) Controller
- D) Database

Solution: A) Model

****Question 3:**** What does the View component represent in Model 2 Architecture?

Options:

- A) Data and logic handling
- B) User interface presentation
- C) Application flow control
- D) URL routing

Solution: B) User interface presentation

******Question 4:** Which component handles user interactions and communicates between Model and View in Model 2 Architecture?

Options:

- A) Model
- B) View
- C) Controller
- D) Middleware

Solution: C) Controller

****Question 5:**** What benefit does Model 2 Architecture offer for web application development?

Options:

- A) Faster database queries
- B) Complex user interface design
- C) Separation of concerns for improved maintainability
- D) Direct interaction with hardware devices

****Question 6:** In Model 2 Architecture, how does the Controller communicate with the Model and View?**

Options:

- A) By directly accessing the Model's data
- B) Through direct modification of the View's UI elements
- C) By handling user interactions and coordinating actions
- D) By managing database connections

Solution: C) By handling user interactions and coordinating actions

******Question 7:** Which component of Model 2 Architecture is responsible for rendering HTML and displaying data?

- **Options:**
- A) Model
- B) View
- C) Controller
- D) Stylesheet

Solution: B) View

Question 8: How does Model 2 Architecture contribute to code reusability?

Options:

- A) It eliminates the need for a database
- B) It centralizes all code in a single component
- C) It isolates different application concerns for modular development
- D) It simplifies user interface design

Solution: C) It isolates different application concerns for modular development

Question 9: What role does the Controller play in Model 2 Architecture?

- **Options:**
- A) Managing data storage in the Model
- B) Handling user interactions and application flow
- C) Rendering data in the View
- D) Controlling user authentication

Solution: B) Handling user interactions and application flow

Question 10: What purpose does Model 2 Architecture serve in web development?

- **Options:**
- A) To create complex UI animations
- B) To replace server-side scripting languages
- C) To enhance database query performance
- D) To organize and separate components for scalable web applications

Solution: D) To organize and separate components for scalable web applications