

# 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

**\*\*Solution:\*\* C) Separation of concerns for improved maintainability**

**\*\*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**