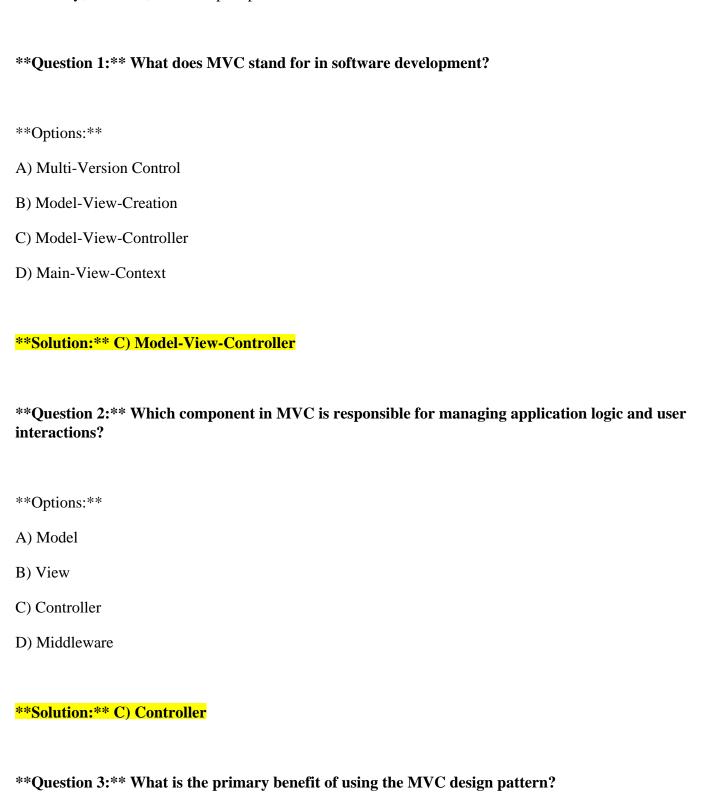
39 Lecture - CS506

Important Mcqs

Sure, here are 10 multiple-choice questions (MCQs) related to MVC (Model-View-Controller) along with a case study, solutions, and multiple options:



A) Faster data retrieval
B) Simplified database design
C) Improved code organization and maintainability
D) Enhanced user interface design
Solution: C) Improved code organization and maintainability
Question 4: In MVC, what does the "Model" represent?
Options:
A) User interface
B) Application logic
C) Database and data-related operations
D) Displayed content
Solution: C) Database and data-related operations
Question 5: Which component of MVC is responsible for rendering data and user interface presentation?
Options:
A) Model
B) Controller
C) View
D) UIHandler
Solution: C) View

Options:

Question 6: In an e-commerce website, which MVC component would handle the addition of products to a shopping cart?
Options:
A) Model
B) View
C) Controller
D) Middleware
Solution: C) Controller
Question 7: Which MVC component would be responsible for storing product information like name, price, and quantity in an e-commerce website?
Options:
A) Model
B) View
C) Controller
D) Database
Solution: A) Model
Question 8: How does MVC promote code reusability in software development?
Options:
A) By allowing direct database access in the Controller
B) By eliminating the need for a user interface
C) By separating concerns and isolating functionalities in different components
D) By embedding all code in a single file

Question 9: Which MVC component would determine how product details are displayed in an e-commerce website?
Options:
A) Model
B) View
C) Controller
D) Stylesheet
Solution: B) View **Question 10:** What is the role of the Controller in the MVC pattern?
Options:
A) Displaying data to the user
B) Managing application data and interactions
C) Defining the layout and styles of the user interface
D) Storing data in a database

Solution: B) Managing application data and interactions

Solution: C) By separating concerns and isolating functionalities in different components