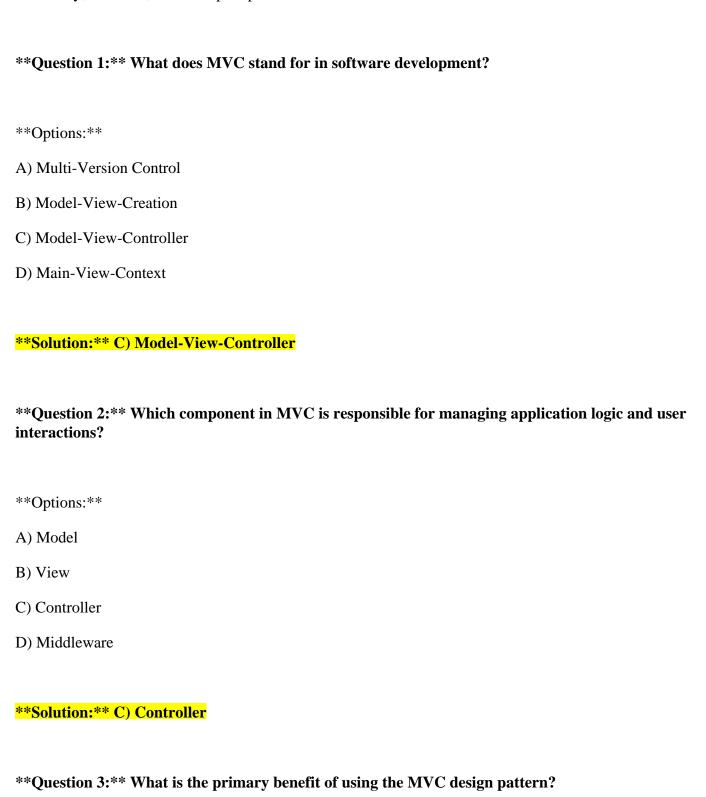
39 Lecture - CS506

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