33 Lecture - CS504

Important Mcqs

Question: What is a common coding mistake that can lead to unexpected behavior and security vulnerabilities? a) Using global variables excessively b) Adding comments to code c) Implementing proper error handling d) Following coding style guidelines **Solution: a** **Question: What is the purpose of implementing proper error handling in code?** a) To hide errors and exceptions from users b) To cause program crashes for debugging purposes c) To gracefully handle unexpected situations and provide informative messages d) To make the code more complicated and difficult to maintain **Solution: c** **Question: What is a potential consequence of ignoring input validation in code?** a) Improved code security b) Reduced chance of code crashes c) Prevention of buffer overflows and SQL injection d) Introduction of security vulnerabilities and unexpected behavior **Solution: d** **Question: What can excessive code duplication lead to in a codebase?** a) Improved code maintainability b) Reduced risk of introducing bugs c) Increased code readability d) Harder code maintenance and increased chances of inconsistencies **Solution: d** **Question: Which coding practice is a common mistake that often results in memory leaks or segmentation faults?** a) Proper memory management b) Regular use of pointers c) Ignoring the use of dynamic memory allocation d) Usage of object-oriented programming **Solution: c** **Question: Why is neglecting code testing a common coding mistake?** a) Code testing is unnecessary and time-consuming. b) It is not the responsibility of the developer to test the code. c) Testing ensures the code works as intended and helps catch bugs early. d) Code is guaranteed to work flawlessly without testing. **Solution: c** **Question: Which of the following is a common coding mistake related to comments in code?** a) Including comments to explain complex logic or algorithms b) Adding excessive comments to every line of code c) Using descriptive comments to document the purpose of functions d) Ignoring the use of comments altogether **Solution: b** **Question: How can excessive reliance on global variables affect code maintainability?** a) It simplifies code and improves understanding. b) It enhances code readability and organization. c) Changes to global variables can have unintended effects throughout the codebase. d) It has no impact on code maintainability. **Solution: c** **Question: What is the purpose of considering boundary conditions when coding?** a) To test code only with typical scenarios and data. b) To ensure code works correctly with edge cases and extreme inputs. c) To minimize the use of loops and conditionals in code. d) To make the code more complicated and robust. **Solution: b** **Question: Which common coding mistake can be addressed by using automated tools and linters?** a) Proper memory management b) Error handling c) Code duplication d) Ignoring input validation **Solution: c**