Lab 9.1 Software Development

Instructions

1. Answer the below question in the boxes if needed.
2. Please submit the assignment after you finish.

Part 1 Assignment

**1. Which of the following statements is true about the software development process?**

A. The software development process only includes the design and implementation stages.

B. The software development process includes stages such as requirement definition, design, implementation, testing, delivery, and maintenance.

C. The software development process does not need to consider user needs.

D. The software development process only involves the coding stage.

Answer: B

**2. What is the main purpose of requirement analysis in software development?**

A. To determine the functional and performance requirements of the software.

B. To write the code for the software.

C. To test the correctness of the software.

D. To design the interface of the software.

Answer: A

**3. In software development, which stage involves converting the software design into a program that the computer can accept?**

A. Requirement analysis

B. Coding

C. Testing

D. Delivery

Answer: B

**4. Which of the following stages are typically included in SDLC? (Multiple choice)**

A. Project Planning

B. Requirements Analysis

C. Coding

D. Deployment

E. User Experience Design

Answer:

**5. In which stage of SDLC does the software development team collect and analyze user requirements to determine system needs and functionalities?**

A. Project Planning

B. Requirements Analysis

C. Design

D. Coding

Answer: B

**6. Which stage of SDLC is primarily used to convert the results of software design into computer-executable program code?**

A. Requirements Analysis

B. Design

C. Coding

D. Testing

Answer: C

**7. What is the main purpose of SDLC?**

A. To improve the efficiency of software development

B. To reduce the cost of software development

C. To ensure that the software development process is effectively managed and controlled, improving software quality

D. All of the above

Answer: D