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**SCHOOL OF EDUCATION, SOCIAL SCIENCES**

**AND TECHNOLGY**

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**STUDENT ID:** BIT17210545

**COURSE NAME:** SYSTEM DESIGN AND IMPLEMENTATION

**COURSE CODE:** BIT112

**Question 1**

System requirements are the configuration that a system must have in order for a hardware or software application to run smoothly and efficiently. Failure to meet these requirements can result in installation problems or performance problems

List of system requirements in order to build my system:

Nonfunctional requirements

1. Operational: The physical and technical environments in which the system will operate.
2. Performance: The speed, capacity and reliability of the system.
3. Security: Who has authorized access to the system under what circumstances.

Functional requirements

1. Architectural Requirements: Explains what has to be done by identifying the necessary system architecture of a system.
2. Structural Requirements: Explains what has to be done by identifying the necessary structure of a system.
3. Behavioral Requirements: Need to identify what the system should and will be doing, the action it will be performing eg book appointments.

**Question 2**

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