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UNIVERSITY**

FAITH • INTEGRITY • EXCELLENCE

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COURSE: SYSTEM ANALYSIS AND DESIGN (COMP 203)

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ASSIGNMENT I

Where Do Systems Designs Projects Come from?

Before we begin, what is System Analysis and Design? System Analysis and Design deal with planning the development of information system through understanding and specifying in detail what a system should do and how the components of the system should be implemented and work together. While Systems development life cycle (SDLC) is the process of determining how an information system (IS) can support business needs, designing the system, building it, and delivering it to users. Building an information system using the SDLC follows a set of four fundamental phases: planning, analysis, design, and implementation. Each phase is itself composed of a series of steps, which rely on techniques that produce deliverables (specific documents and files that explain various elements of the system).

System design process is a set of activities, methods, best practices, deliverables, and automated tools that stakeholders use to develop and continuously improve information systems and software and this leads to system designs projects. Improving an Information System be either resolving a new/existing problem, opportunity or directive. Systems designs projects come from Problem like an undesirable situation that prevents the organization from fully achieving its purpose, goals, and/or objectives. An opportunity is a chance to improve the organization even in the absence of an identified problem and a directive is a new requirement that is imposed by management, government, or some external influence.

Example in 2008 MTN users had to buy credit/unit from vendors meaning MTN had to constantly print credit/unit cards weekly and daily and then spread them across the country.

It was costly for them and called their team of developers for solutions. Outcome for the meeting was Airtime transfer. Where MTN users can share their airtime with other MTN users and Mobile money. These simple thought where passed through the SDLC and they passed feasibility test. Development and implemented happened months later. Mobile money (Momo) thus give MTN users access to mobile account to hold money. Momo can be said us an opportunity with give birth to more opportunities like quickloans. Payday loans was an opportunity Banking institutions developed to attract more customers and keep them. A directive like Ghana card is a requirement imposed by current government and stands to bring solution to the country's database.

References

1. “*Maturation in a Free Market: The Changing Dynamics of Peering in the ISP Market*” by Jennifer DePalma
2. Anderson, M., & Hornby, P. (1996). *Computer attitudes and the use of computers in psychology courses*. Behavior Research Methods, Instruments in Computers, 20, 341-346.