**LIRA UNIVERSITY**

[**System Analysis and Design**](https://elearning.utamu.ac.ug/course/view.php?id=2733)

[**Assignment one**](https://elearning.utamu.ac.ug/mod/assign/view.php?id=38559)

**Question One:**

* + 1. Briefly explain the following concepts as applied to mobile apps development [2**marks @**

a)     Data redundancy

b)     Business processes

c)     Object oriented design

d)     Entity relationship diagram

e)     Information architecture

f)      Rapid Application Development

g)     Logical model

h)     Reverse engineering

i)      Project feasibility

j)      Transaction analysis

**Question Two:**

* + 1. Explain inheritance and encapsulation as applied to systems analysis and design  [4 marks]
    2. With the help of an example, explain how  inheritance can be applied in  design of a mobile application [6 Marks ]
    3. Explain the reasons behind the rapid growth of android based applications? [4 marks]
    4. Discuss at least two key advantages  and one disadvantage of model driven software development?[ 6 Marks ]

**Deadline 31ST Jan, 2022**