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Course Work: Assignment 2

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AUTOMATED MOBILE SYSTEM TO IMPROVE ON PATIENTS APPOINT-
MENT WITH DOCTORS TO REDUCE DEATHRATES OF CANCER PATIENTS
IN UGANDA.

1 Background

Cancer has become an epidemic that is on a high rise in the recent years and there
are few hospitals that have proper facilities well equipped to treat it. The hustle to
discover that one has Cancer is tiresome and frustrating more so when finding the
medical specialists and getting treatment for the Cancer, one has to move from their
home areas to the Uganda Cancer Institute at Mulago national referral hospital to
acquire treatment and assistance which is very costly and cumbersome due to the
limited ways of acquiring all this information about the specialists who are brilliant in
treatment of Cancer with well-known and trusted hospitals at ones convenient time and
means.

2 Problem Statement

Limited access to Cancer medical specialists information by the general public. This
is due to inadequate access and availability of Cancer specialists information in the
country making the existing system very hard to work with and very costly thus the
need for the development of a new system of accessing this information

3 Main Objective

To develop an automated mobile application in an information deprived environment
to provide information to the public about these oncologists to their conveniences

4 Specific Objectives

The Specific Objectives of the study are as follows:

(i)To investigate the challenges of the current system and collect user requirements
for the development of the automated mobile application.

(ii)To analyse and determine the user requirements for the mobile system.

(iii)To design and implement the mobile application system to meet the above system
requirements for the specified disease medical specialists in Uganda.

(iv)To test and validate the implemented application system with the proposed users.