FACULTY OF FOCIM
COURSE: Bachelor of Science in Information Technology
SYSTEM REQUIREMENT SPECIFICATION
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Catalog

● 1.0 Introduction Section

The system design face of the projects includes an overview of the system and developing the basic system and subsytem architecture, the data/process flow of the system, database design, the design of the various interfaces, validation and security design. It basically involves identifying the various software requirements based on the requirements. The feasibility study of the proposed system is also included.

The intended system, KCA Cafe is a web-based application designed for running and managing of activities in the cafeteria setup. The system is customized to meet the needs of the KCA university cafeteria by alerting the students the food on the menu and the available seats at that particular time. The system will need an administrator who will be updating the data in real time.

● 1.1 Purpose

The purpose of the system is to reduce congestion in the cafeteria and to update the audience of the available menu.

The targeted audience is the students of KCA University,staff (both teaching and non-teaching) and anyone who uses the school cafeteria.

● 1.2 Scope

The system to be produced will be known as KCAFE representing KCA University and CAFE. The system will be able to alert students of the available seats and the menu that is available at the moment.

The system will benefit the users by reducing the time used in the cafeteria waiting to be served yet one would be doing any other thing.

● 1.3 Definitions, Acronyms and Abbreviations
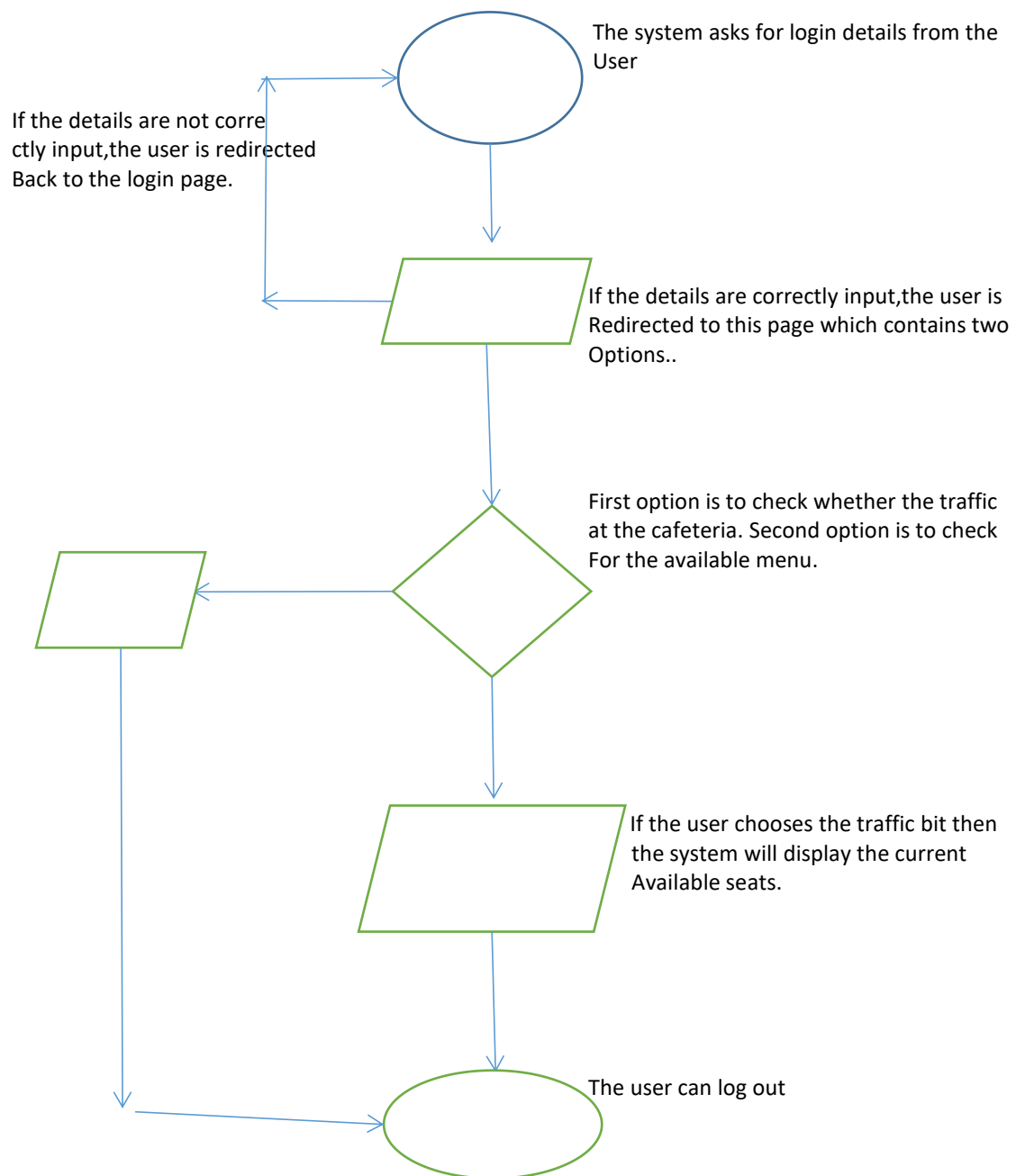
KCAFE - KCA University and cafeteria

● 1.4 Overview

The rest of the srs contains the general overview of the system specifications. Chapter two has the general description of the system giving the system perspective, system functionality, User characteristics, General constraints and assumptions and dependencies.

Chapter 3 gives the specific requirements which contains functional requirements, user interface requirements and appendices.

2 General Description

2.1 System perspective.

- The system will be web-based, whereby the admin will be able to update the current setup of the cafeteria.

The system asks for login details from the User

If the details are not corre
ctly input,the user is redirected
Back to the login page.

If the details are correctly input,the user is
Redirected to this page which contains two
Options..

First option is to check whether the traffic
at the cafeteria. Second option is to check
For the available menu.

If the user chooses the traffic bit then
the system will display the current
Available seats.

The user can log out

2.2 System Functionality.

The system will be able to update the current traffic in the cafeteria as well as display the available menu together with their prices. This inturn will save a lot of time spent on queing while you could be doing something else.
Once the user enters the cafeteria, the admin updates it in the system. Once this is done, the guys who are yet to go in would know how much of people are currently present.

2.3 User Characteristics.

The system users will be the admin and the guys who use the cafeteria.

The work of the admin will be to update on the current setup of the cafeteria.

The user will be able to login to view the available data in the system which will help him/her to know whether to proceed to the cafeteria or not. The system can be used by anyone who owns the smartphone hence no prior technical expertise is required.
The admin will be trained on how to use the system.

2.4 General constraints.

There are no regulatory policies.

The hardware requred is only for one to own a smartphone that can be able to browse hence no specific regulations.

The system will be safe a hundred percent.

2.5 Assumptions and dependencies.
 I made an assumption that anyone who will use the system is a staff or a student at the cafeteria.
I also made the assumption that anyone who uses the system is a literate person.
I also made the assumption that anyone who uses the system owns a smartphone that can be able to browse.

3.1 Functional requirements

Inputs and outputs

-The only data to be input is the registration number of the student and his/her name whereby the system will be able to allow one to get in and access whatever he or she wants from the system.
-The data to be output would be whatever the user wants. There are two categories, one is to check the traffic of the cafeteria and the other one is to check the meals available at that time. The system will be able to output either of them.

User Interfaces

Use case name	Search Article
Xref	Section 2
Trigger	The user assesses the online cafeteria system
Precondition	The web is displayed with grids for searching
Basic path	The user chooses will choose where to go And maybe proceed with to go to the cafeteria or not considering the traffic. The user may also decide whether to have any of the meals available or not.
Alternative paths	There's no alternative path
Post condition	There's no any post condition
Other	None

Appendices.

I conducted a research using interviews which were done to 20 students who use the KCA cafeteria frequently and these were the results.

- ➢ 14 actually admitted to being slowed down by the lining while they could be doing other things. Out of the 14, eleven of them were so excited about the project an were looking forward to it.
- ➢ 4 of the twenty were not so much affected by the lining up as they didn't mind waiting.
- ➢ The others were not sure about how they were feeling.

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