CSC318 PROPOSAL

EASY-UNI ONLINE STUDENT REGISTRATION SYSTEM

By

1. MUHAMMAD AL-AMIN BIN MOHD ZAINI - 2018280578
2. NUR HASYIM MUHAMMAD BIN NANANG HERWANTO - 2018672888
3. AMZAR FAWWAZ BIN NOR JAEMAN - 2018446056
4. MUHAMMAD AQQMAR BIN ZULKARNAIN - 2018681542

GROUP: RCS1105B
CSC318: WEB APPLICATION
development Prepared for: MISS SITI SARAH MD ILYAS

TABLE OF CONTENTS

1.0 INTRODUCTION

1.1 INTRODUCTION TO EASY-UNI SYSTEM

Students are currently submitting their application forms in hardcopy to the college or university. Then the admission office has to enter all the data manually into the excel file for registration processes. This is a very time consuming and costly administrative work. The admission staff also need to review the students' application status manually and contact back all the applicants to inform of their results via e-mail, Short Message Service (SMS) or telephone call.

Easy-Uni System is the name of the web application system that we would like to propose to improve the current admission system. One of the main objectives of the project is to develop an Online Student Registration System. This will help to eliminate the manual work and boost the speed of the entire process through a web-based system. Easy-Uni Online Student Registration System will make it easier for the students to fill in and send the application to the university while simultaneously will ease the burden of the admission office in the university to process the applications. A poor student admission system can result in fewer students being admitted into a university because processing mistakes and slow response time.

The focus of the system is to collect, manage, process and store the students' application in a very organized manner. The Online Student Registration System will reduce the tedious process of managing thousands of students' applications.

One of the useful features of Easy-Uni Online Student Registration System is that the student admission staff are able to sort the list of applicants based on students' course, faculty, nationality, income range, religion, date of application, application status and others. The list based on specific category then can be generated into Microsoft Excel Spreadsheet or Microsoft Word Document by the system. This system helps admission staff in sorting and generating student list for specific purpose. By existence of the system, student admission staff no longer need to sort the students' applications manually in folders and shelves to categorize them.

Besides allowing students to complete the form online, the system also applies integrated validation system to validate the data entered. This will help to avoid any redundancy in keeping all the students' application records. In addition, student will be able to check their application results directly using the web-based system.

The system will use MySQL relational database management system which is based on Structured Query Language (SQL) to develop the database. It also will use PHP scripting language to interact between the database and to complete various desired processes. In addition, to develop the Graphical User Interface (GUI), the Hyper Text Markup Language (Html) and Cascading Style Sheets (CSS) will be used in the system. While the JavaScript will ensure security controls and validation work.

1.2 SYSTEM OBJECTIVES

To develop a web application system to provide the following for the student admission department:

- To ease students' University application process.
- To ease students' applications sorting process.
- To provide organized information for decision making.
- To provide easily accessible information for all appropriate.
- To provide accurate, safe, consistent, timely, reliable and complete information.
- To reduce administrative cost.
- To reduce the paper-driven facets of the current system.

.

2.0   PROJECT BACKGROUND

Many educational institutions such as universities and colleges are still struggling to store their data such as students' details because they do not have the proper system developed to be utilized for the problem mentioned. Students are required to apply for their desired faculty/course via application form manually and without any system present, the staff must look through piles of papers every time they needed the data or details.

Our idea is to develop a system which can ease the data input and output so that the students can register for their desired course/faculty easily and staff will not have to look through multiple papers whenever needed and they can save some time.
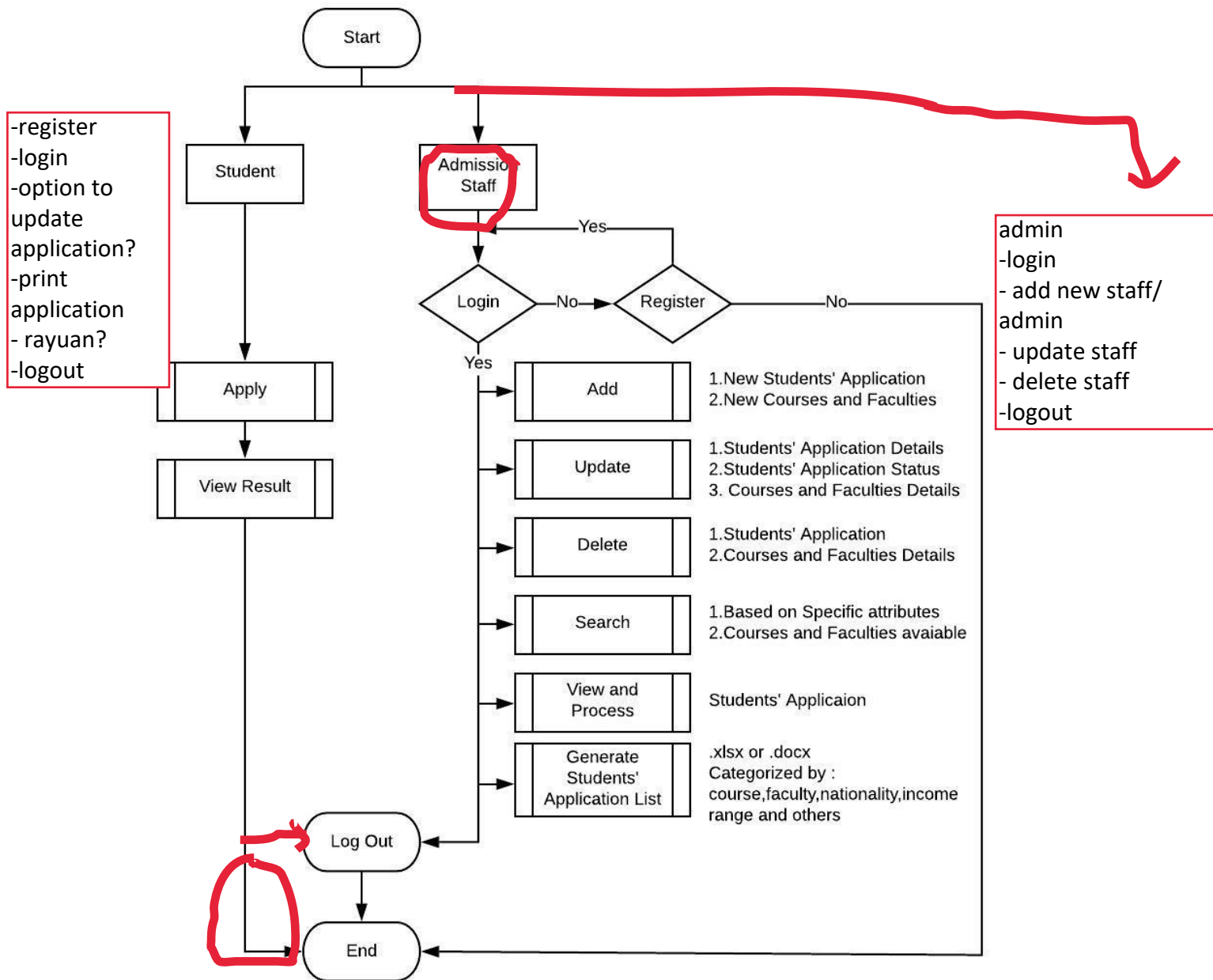
The functional requirements are

1	Students can only access the student page to apply and view results (limited access).
2	Only Managerial level faculty staff have the access to the administration system.
3	Admin can create a new user to grant access to any other user access to the system via the add user button.
4	User and admin can insert a new data into the system. However, a duplicate data will not be accepted into the system.
5	The admin can insert a new faculty/course that was not in the system before.

6	Authorized staff can update the students' details such as:
	    i. A student application status.
	    ii. Assign faculty/course to the students according to their application and result.

7	Signed in user can delete students or faculty/course details.
8	User should be able to select any student(s) to generate an editable document.

Note: User(s) – the staff.

As mentioned before, this system will be developed to replace a time-consuming, old-fashioned manual system to an advanced and proper online system that can be accessed practically anywhere so that the staff will not be burdened or traumatized by having to go through lots of papers.

The system will be uploaded online as a sub-file to their existing website and can only be accessed by authorized staff for the administration system and students only have access to the student page (limited access).

3.0   SYSTEM FLOW DIAGRAM

Start

-register
-login
-option to update application?
-print application
- rayuan?
-logout

Student

Admission Staff

admin
-login
- add new staff/ admin
- update staff
- delete staff
-logout

Apply

View Result

Yes

Login —No→ Register —No

Yes

Add	1.New Students' Application 2.New Courses and Faculties
Update	1.Students' Application Details 2.Students' Application Status 3. Courses and Faculties Details
Delete	1.Students' Application 2.Courses and Faculties Details
Search	1.Based on Specific attributes 2.Courses and Faculties avaiable
View and Process	Students' Applicaion
Generate Students' Application List	.xlsx or .docx Categorized by : course,faculty,nationality,income range and others

Log Out

End

4.0   SYSTEM AUDIENCE

In our proposed system, there are two types of targeted audience or user which are **Students** and **Student Admission Staff**. Students are eligible to fill in application form without the need of creating an account and to log in. Also, the students will be able to check their application status when the result is processed by the student admission department. The students will just need to key in their Identity Card number to check for the result.

On the other hand, student admission staff are given authority to access the system in order to process the students' applications. The system provides various features to the staff in order to ease their tasks on processing time. The features that are available to the student admission staff are:

- Add: 1) New students' application.

  2) New Courses and Faculties.

- Update: 1) Students' application details

  2) Students' application status.

  3) Courses and Faculties details

- Delete: 1) Students' application.

  2) Courses and Faculties details.

- Search 1) Based on specific attribute of Students' application.

  2) Courses and Faculties available.

- View and process students' application.

- Generate students' application list in .xlsx or .doc categorized by course, faculty, nationality, income range and others.

5.0   PROJECT SCHEDULE

The diagram below shows our project schedule :

ITEM	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14
PREPARE PROJECT PROPOSAL	■	■	■											
DESIGN WEB STORYBOARD				■	■									
DEVELOP WEB PROJECT						■	■	■	■					
TESTING AND FINALIZE PROJECT										■	■			
PROJECT PRESENTATION												■	■	■

6.0   SUMMARY

The development of Easy-Uni Online Student Registration System is to help in reducing manual work via a web-based system and increase the speed of the student admission process. The Easy-Uni Online Student Registration System would make it easier for students to fill in and submit the application to the university while at the same time relieving the burden of handling the applications by the admission office at the university. As a result of processing errors and slow response time will cause disadvantages to the institution.

7.0   REFERENCES

- Steve Suehring and Janet Valade. (2013). *PHP, MySQL, Javascript & HTML5 ALL-IN-ONE FOR DUMMIES. United States of America: John Wiley & Sons Inc.*

- *Omar Mokhtar. (2020). Kitab Full Stack HTML5, CSS, Javascript, PHP & MySQL. Malaysia : omarqe. hello@omvr.io*

  https://kitabfullstack.dev/

- *Sanjana Agarwal. (2017) Online Student Registration System. From*

  https://www.slideshare.net/SanjanaAgarwal13/osrs-71959506#:~:text=Online%20Student%20Registration%20is%20the,activities%20related%20to%20the%20students.%20%60

PROJECT PROPOSAL RUBRICS (5%)

CRITERIA	POOR (0, 1)	AVERAGE (2, 3)	GOOD (4, 5)	TOTAL
Introduction ❖ Description is clear, concise, and easy to understand.				
Project Background ❖ Description is clear, concise, and easy to understand. ❖ The content is written in a reader-friendly manner that models clarity of expression.				
Originality of idea and creative ❖ The idea is original and creative.				
Language used ❖ There are no spelling, grammar, or punctuation errors. ❖ Use MS Word's spell and grammar checker to eliminate all errors.				
Formatting ❖ The organization of proposal is in correct order and neat.				
Submission time ❖ Submit on time based on the due date given.				
TOTAL (30 MARKS)				