



DITM 2123 (WEB PROGRAMMING)

ASSIGNMENT 1

S3G1

GROUP F1

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a) INTRODUCTION

Background

Due to the current situation of the pandemic, students are heavily stressed in fear of lockdown. If another lockdown occurs, students are forced to stay in their dorms and unable to go back home for months. These students are constantly awaiting new information to keep up to date with the news. However, with the current system, students are facing difficulties in search of new information. It has been said that some pieces of information from the UTeM official website are inconsistent as some of them are now unapplicable or unused anymore. This shows that the current information system is not kept up to with its own news. On the other hand, another source of information that is directed towards the students is the university email. Due to the university using Microsoft Outlook as a means of mailing pieces of information, students seldomly ever check their inbox, as it is a hassle to sign into their student Microsoft account just to check their inbox. Generally, Google Mail (Gmail) is likely the easiest to access as everybody has a Gmail account synced into their computer.

Problem Statement

- Students do not have a proper platform to receive information.
- Student sometimes have difficulties in acquiring new announcements from their respective faculties.
- Hard to convey message too students
- Unaware of the students' ongoing problems regarding the university's' environment

Objectives

- Creating a proper platform to give students a better and easily understandable content of information
- Make faculties convey information and announcements more convenient.
- Faculties can show their support and understanding between students

Scopes

- Design and construct a suitable system for student's information system
- Design a form for users to file a complaint regarding the university
- Design a webpage for users to on check on their faculty and dorm's news and important announcements
- Design a webpage for student and staff to on view information through the login username
- Design a webpage for the Head of Department to view the complaints from students to further improve the students learning experience

Project Significance

The project brings a mountain of benefits from the students and staff to the departments of each faculty. When this project is completed, the Information Corner System will be prepared to accept as many complaints as well as sharing new information as it can be efficiently organized.

Furthermore, the students and staff will have easy access to file a complaint at any given time without having to personally call or e-mail the university management and wait for a response, which may be irritating to certain users. Thus, the university's system will be more systematic and promising.

Feasibility Study

The UTeM Information Corner System is specifically proposed to accommodate the students and staff to file a complaint online. The UTeM Information Corner System is made entirely online and by using programming languages such as “Hyper Text Markup Language”, “Cascading Style Sheet”, “JavaScript” for the front end, “PhP” and “Structured Query Language”.

Each code is written according to a proposed plan, constructed with diagrams such as Entity Relation Diagram (ERD), Data Flow Diagram (DFD) and so on. To ensure the code written are durable and future proof, testing will be made every time the website is updated. The testing will be done by both department heads to enhance coordination between departments to fix a bug or an error so that the website will be released in a safe and ready state.

The website will be available online whenever a thorough testing is done. Student and staff will be able to search “UTeM Information Corner” or click through advertisement available online on the UTeM official website, leading to our website.

Advantages and Disadvantages

i) Advantages

- The website is built in a simple but organized manner
- Significantly useful for students and staff
- The website is made to be responsive for all kinds of devices such as; mobile phones, tablets, and computers
- All forms on the website have validation
- All data is sent to the database according to the format

ii) Disadvantages

- The website is fully online, thus it cannot be accessed without the use of internet
- Even with validation, there is a chances users might use the form to send irrelevant complaints
- Inability to filter irrelevant forms
- Redundancy of irrelevant complaints is a hassle for the IT department to differentiate between relevant and irrelevant
- The administrators are not able to modify the website as the costs for an update is pricey

Features

The features of UTeM Information Corner System are functional and easy to use and navigate. This website is designed to fulfil the purpose and be able to solve the problems faced by students. In advance, the feature of UTeM Information Corner System is simple and often overlooked by others that are, Top Nav, Image Slider and About us.

Top navigation plays an important role in the design of the website as it sets the tone for other aspects of the webpage. It is the first thing on the page that students will see in the first seconds of loading. It is essentially showing this website as it provides basic information about the site. Students can easily understand what the site offers in seconds and has action buttons to help students reach where they need to.

In Top navigation , there will be six navigation buttons for student and staff use. The buttons are 'Faculty', where students will receive all news regarding their faculty in that page, "Kolej Kediaman" button, where students can view all information about their dorms, 'Universities' directory, which will provide all the university's faculty link, 'Complaint' button is the page for students and staff to make to file a complaint. Lastly, 'Contact Us' button. All of these buttons are designed for student and staff to choose which page in this website they wish to access

The image slider is capable for users to scroll through image without compromising the length of the website. In this image slider, student and staff also can gain some information in the image that they showed.

b) REQUIREMENT AND FUNCTIONAL ANALYSIS

Login:

- New users must sign up using their university email to be able to enter the website
- Users must use their credentials as shown on their identification card (I/C)

Data Access:

- Users can view information about their faculty that they are currently enrolled into
- Students can view news and announcements regarding their block in the student dormitories

Complaints:

- To fill a complaint, users must fill in their:
 - a) Full name as stated in their (I/C)
 - b) Matric number
 - c) Faculty
 - d) Programme
 - e) Year
- The title of the complaint is required as well

Complaint Status:

- There will be an alert that will inform the user that they have submitted the complaint successfully. User will not be able to view their complaint once submitted into the database

Complaint Report:

- Only administrators can view the complaint as it is strictly for viewing by the IT department

FUNCTIONAL ANALYSIS

The Information Corner System (ICS) will provide the most basic and necessary operations to receive, process, and submit data from the users to the database.

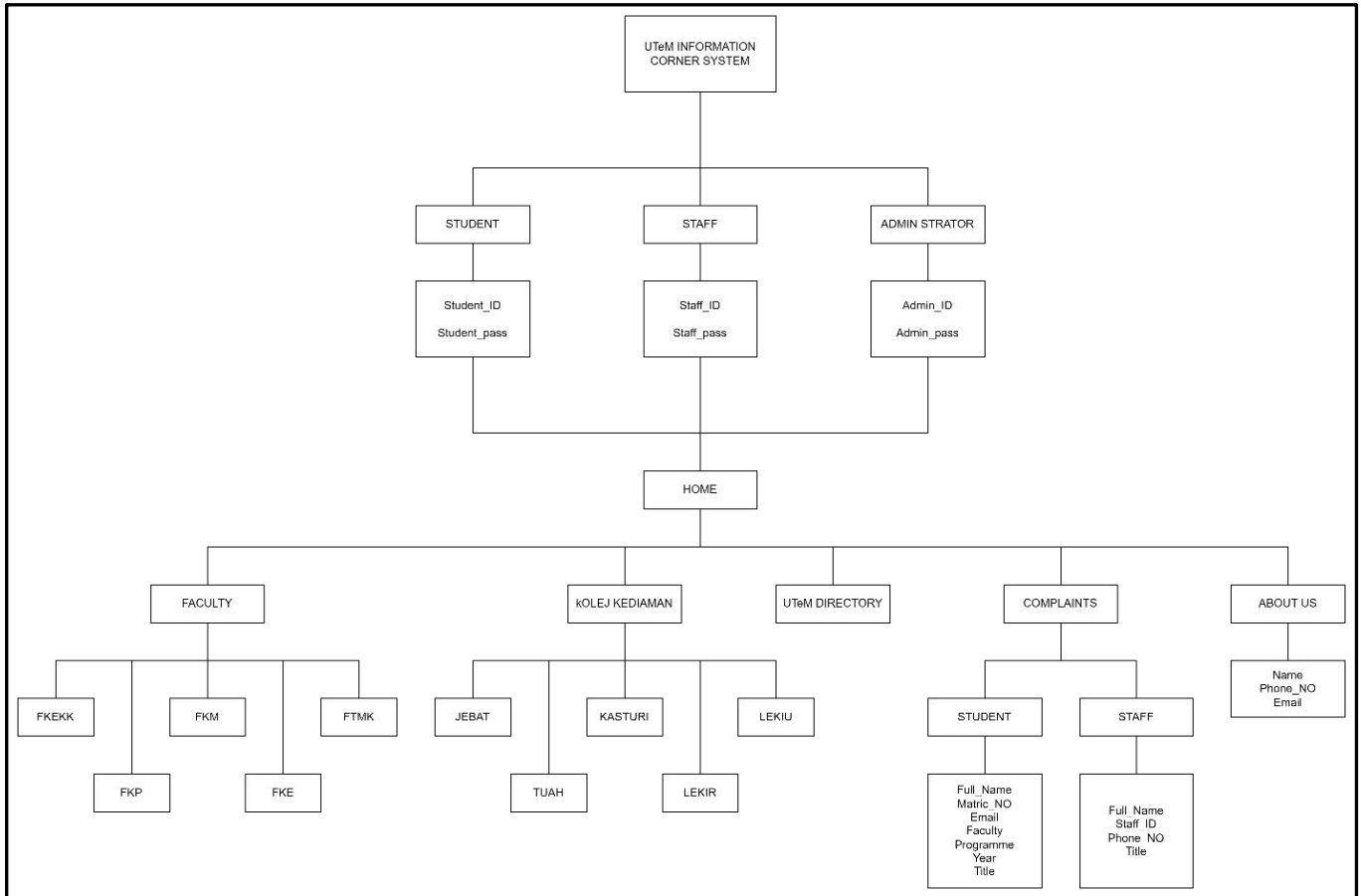
Users are required to input data into text boxes that are located in the form (i.e. Complaint Form). From here, the system will check each text box to verify the data that is inputted by the users are valid. The data that has been verified on-site will be sent to the database and back to the administrator webpage for the next process.

Administrators are also required to log-in with their valid and registered ID's and password to proceed to a page where there are several functions. The functions are Check complaint.

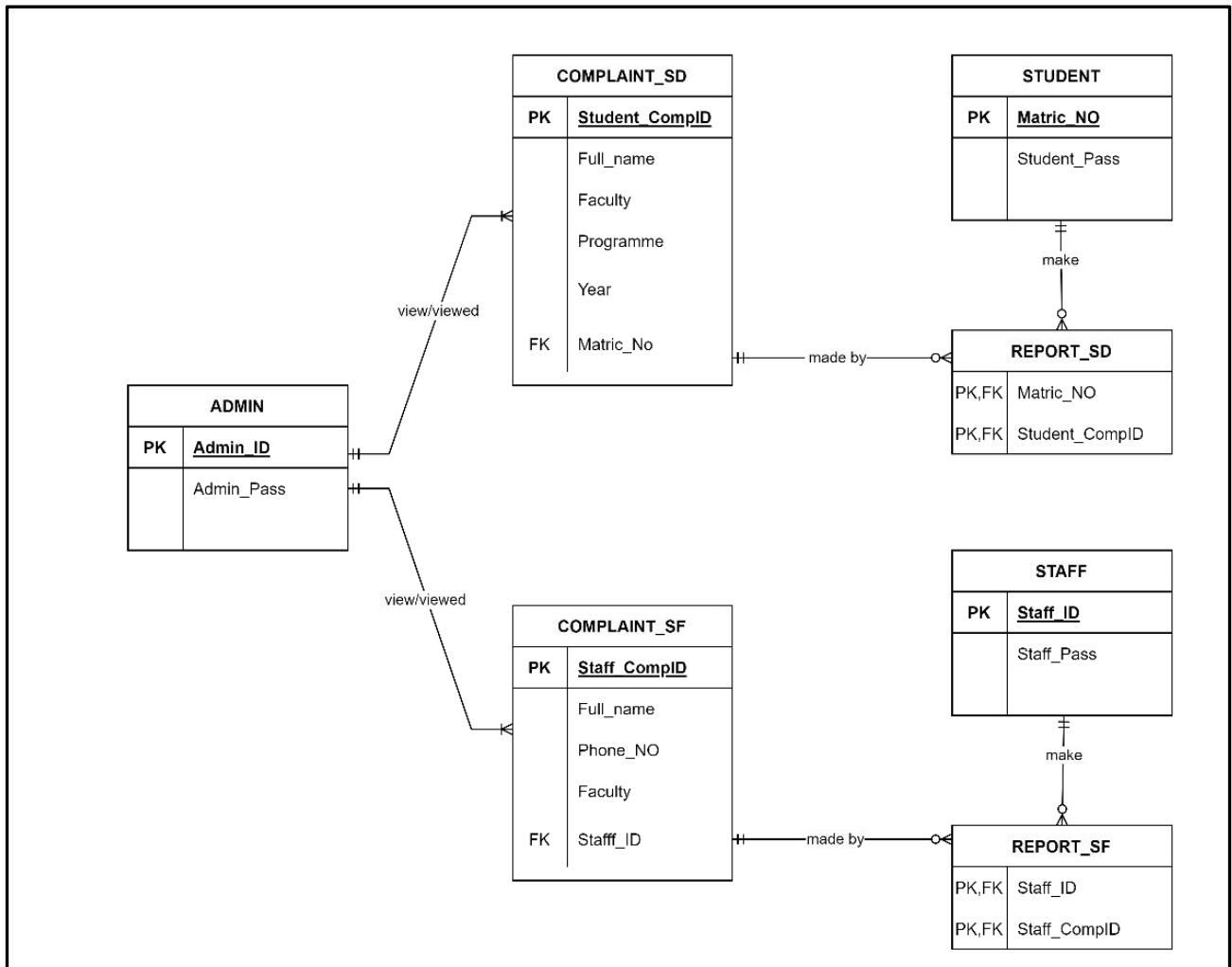
Lastly, Admins are also allowed to review complaints specified by their date. This function operates by checking complaints that are in the database and sent to the admins for review.

c) CONCEPTUAL DESIGN

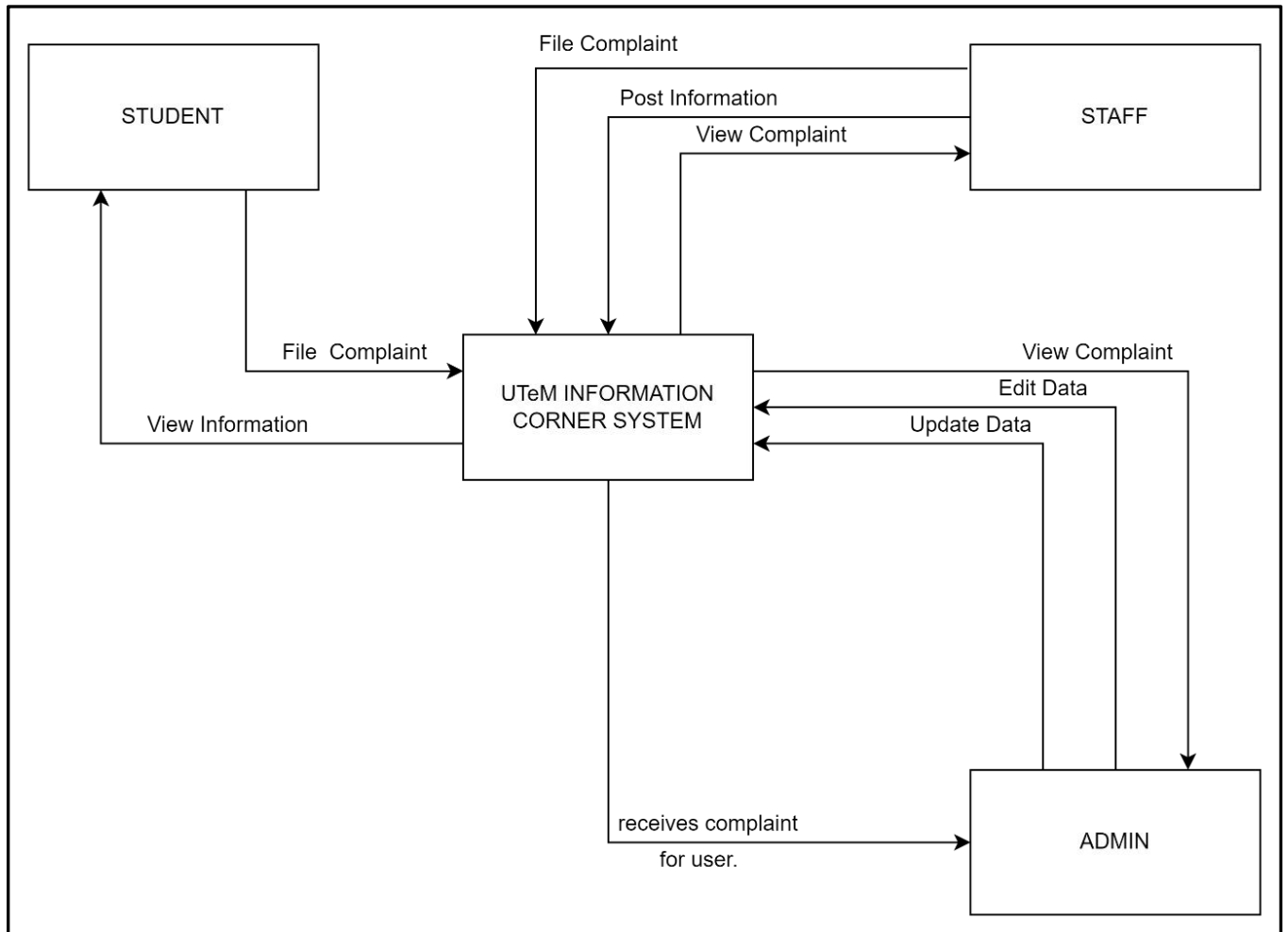
Structure Design



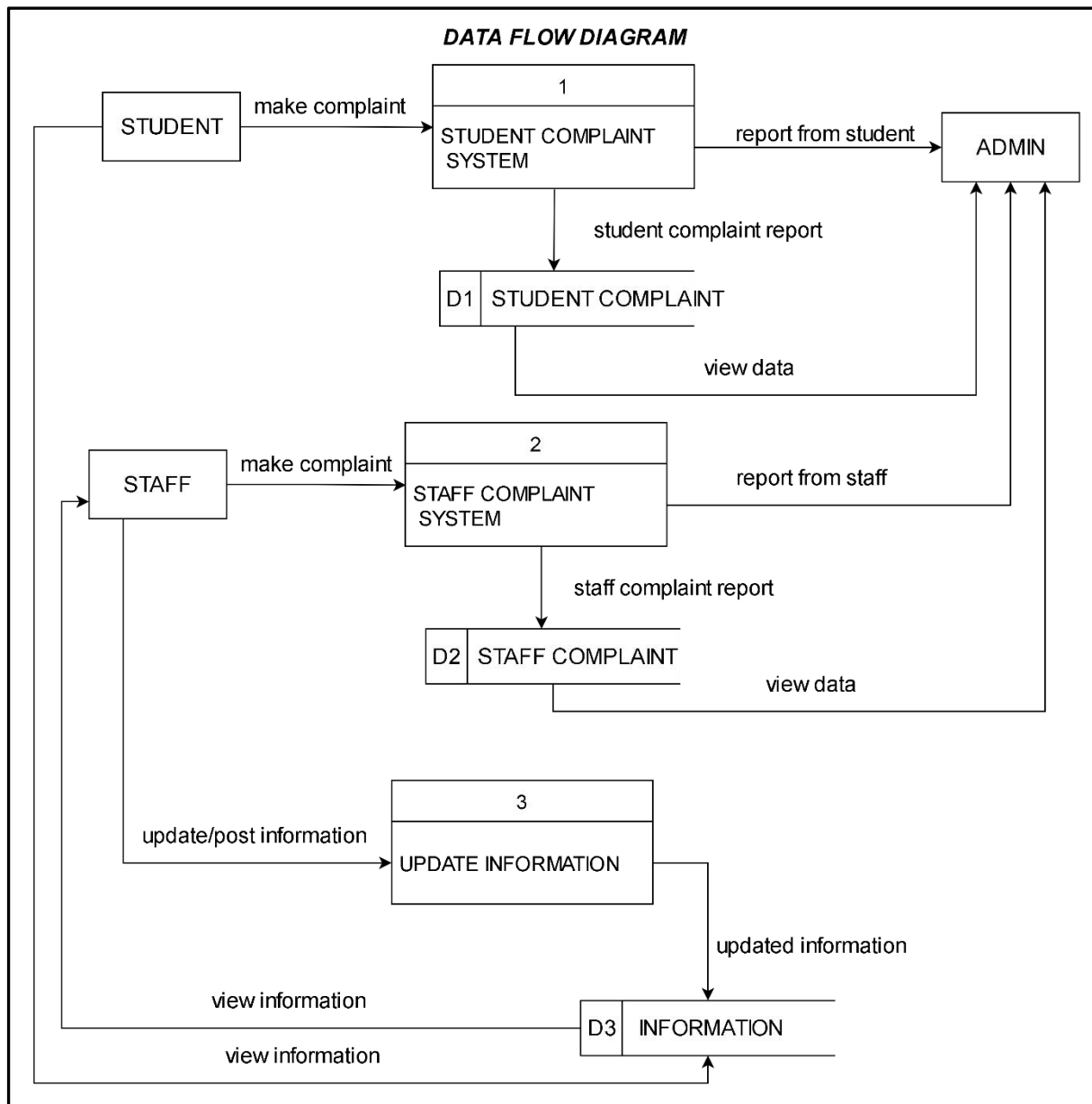
Entity Relation Diagram (ERD)



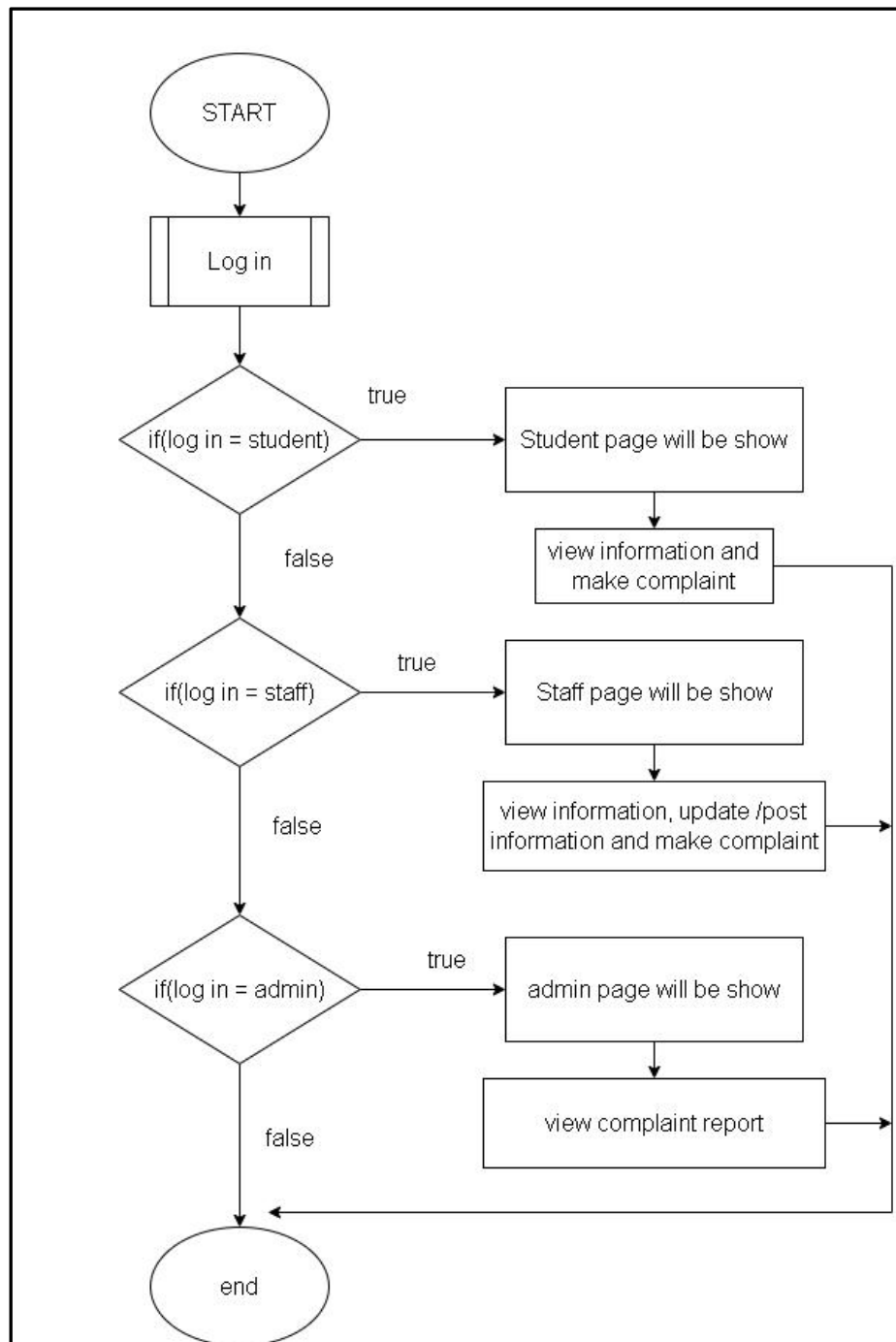
Context Diagram



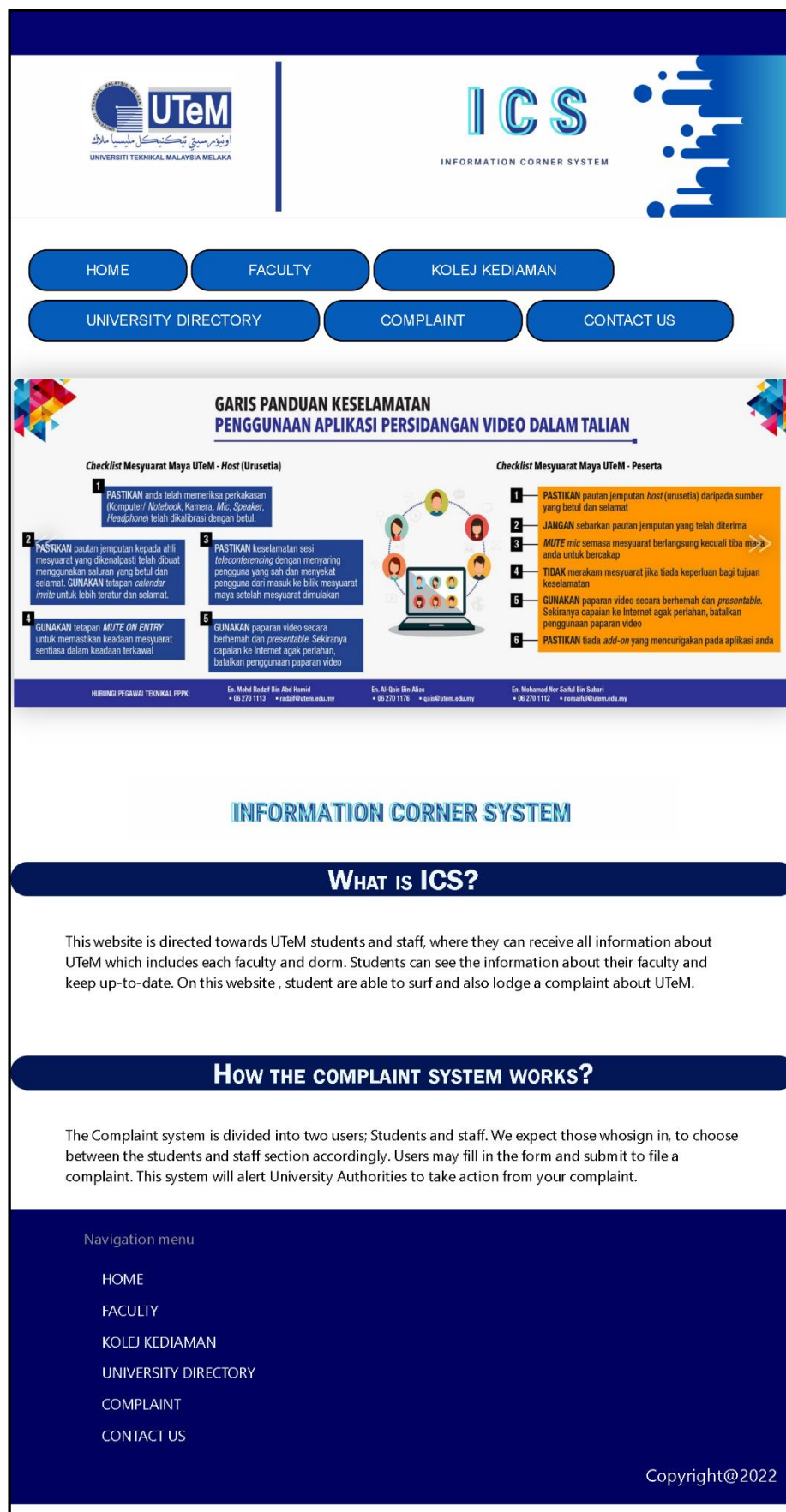
Data Flow Diagram






Flow Chart



Interface



Complaint Interface



[HOME](#)[FACULTY](#)[KOLEJ KEDIAMAN](#)[UNIVERSITY DIRECTORY](#)[COMPLAINT](#)[CONTACT US](#)

COMPLAINT SYSTEM

If you are student , please click STUDENT section.

STUDENT

If you are staff , please click STAFF section.

STAFF

Navigation menu

- HOME
- FACULTY
- KOLEJ KEDIAMAN
- UNIVERSITY DIRECTORY
- COMPLAINT
- CONTACT US

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BACK

STUDENT COMPLAINT SYSTEM

FULL NAME :

Eg. MUHAMMAD ZIKRI BIN KASHIM

MATRIC NUMBER :

Eg. D032110319

EMAIL :

Eg. qwerty30@student.utem.edu.my

FACULTY :

FTMK

PROGRAMME :

Eg. DIT

YEAR :

TAHUN 1

TITLE :

COMPLAINT

YOUR COMPLAINT

SUBMIT FORM

CLEAR FORM

Navigation menu

HOME
FACULTY
KOLEJ KEDIAMAN
UNIVERSITY DIRECTORY
COMPLAINT
CONTACT US



BACK

STAFF COMPLAINT SYSTEM

FULL NAME :

Eg. MUHAMMAD ZIKRI BIN KASHIM

STAFF ID :

Eg. S04567

PHONE NUMBER :

Eg. 0113098765

TITLE :

COMPLAINT

YOUR COMPLAINT

SUBMIT FORM

CLEAR FORM

Navigation menu

HOME
FACULTY
KOLEJ KEDIAMAN
UNIVERSITY DIRECTORY
COMPLAINT
CONTACT US