



UNIVERSITI MALAYSIA TERENGGANU

**FACULTY OF COMPUTER SCIENCE AND MATHEMATICS BACHELOR OF
COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS**

WEB II

CSE3023 (K1)

SEMESTER II 2023/2024

**GROUP ASSIGNMENT REPORT
(UMT Academic Program Development Tracking
System (Provisional Accreditation (PA) Application))**

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MODULE 2

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GitHub:

<https://github.com/MatReppo/ProjectAssingment-Group1-Module2>

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1.0 Executive Summary

The main objective of this project is to develop a web application for UMT that handles Provisional Accreditation (PA) Application that helps to track and manage the document needed to be sent out to JPT and MQA. The website aims to provide UMT's staff with information about the document needed to be completed before sent out to JPT and MQA for applying Provisional Accreditation for new course. Another purpose of our system is to maintain a sustainable website with user-friendly interfaces to allow users to easily navigate through our website smoothly without any restraint.

2.0 Use Case Diagram

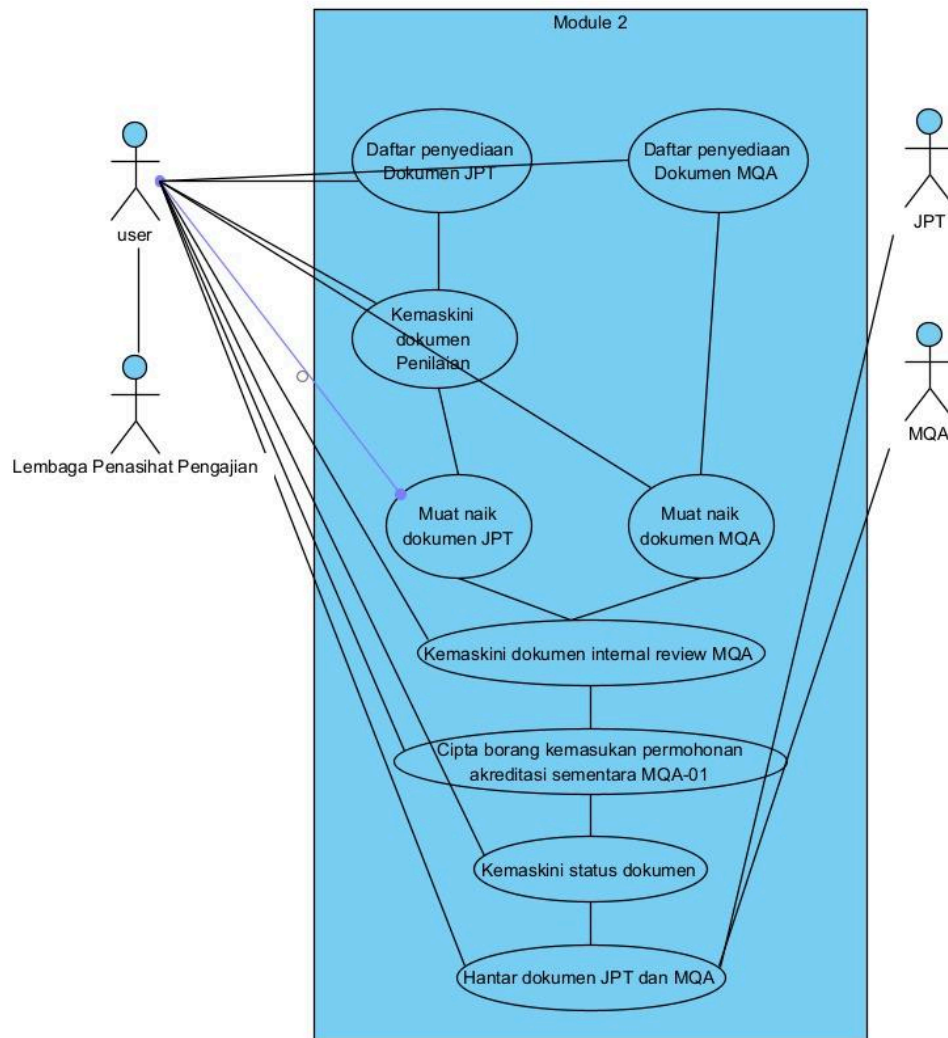


Diagram 1

Diagram 1 shows that user consist of Lembaga Penasihat Pengajian can access to document preparation,MQA registration document,update review document,upload JPT and MQA document,update MQA internal document,create an Provisional accreditation entry (MQA-01),update document status and send the JPT and MQA document.Meanwhile MQA and JPT will manage the document of JPT and MQA.

3.0 Class Diagram

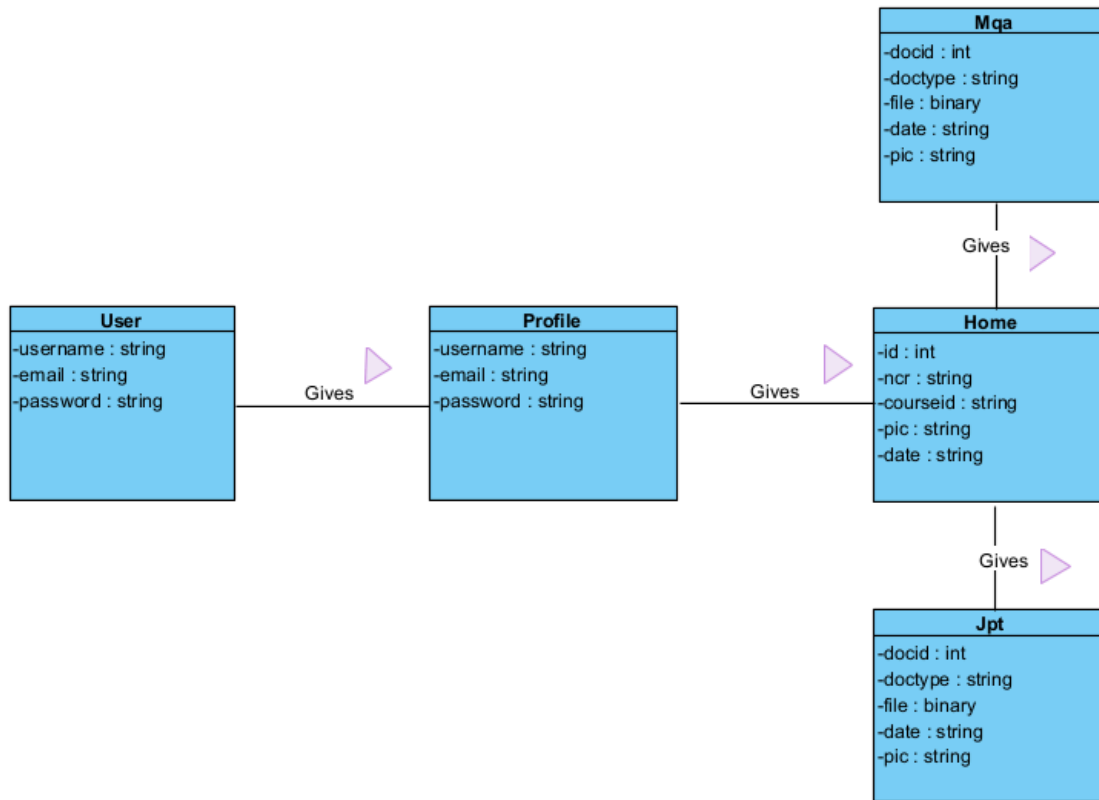


Diagram 2

Diagram 2 shows that the user class provides its information to the profile class, which then gives its information to the home class. The home class attribute is separated into two class which is jpt and mqa.

4.0 User Traceability Matrix

Table 1

Req.ID	Requirement Description	Justification	Test Case ID	Test Result	Notes
1	Login	User will need to login to have access for using the website	Test01	Pass	
2	Register	User need to create an account to continue using the website	Test02	Pass	Account created successfully
3	Add new course	Allow users to create new course into the table	Test03	Pass	All information added successfully
4	View Course list	Allow users to view all new and old course available in the list	Test04	Pass	All information save successfully save
5	Add new file	Allow user to add new file needed into the table	Test05	Pass	All the information added successfully save
6	View file	Allow user to view the added file and allow user to download the file	Test06	Pass	All the information are display successfully
7	Edit File	Allow user to change the existing file and delete file	Test07	Pass	All the information edited and deleted successfully save

5.0 Entity Relationship Diagram

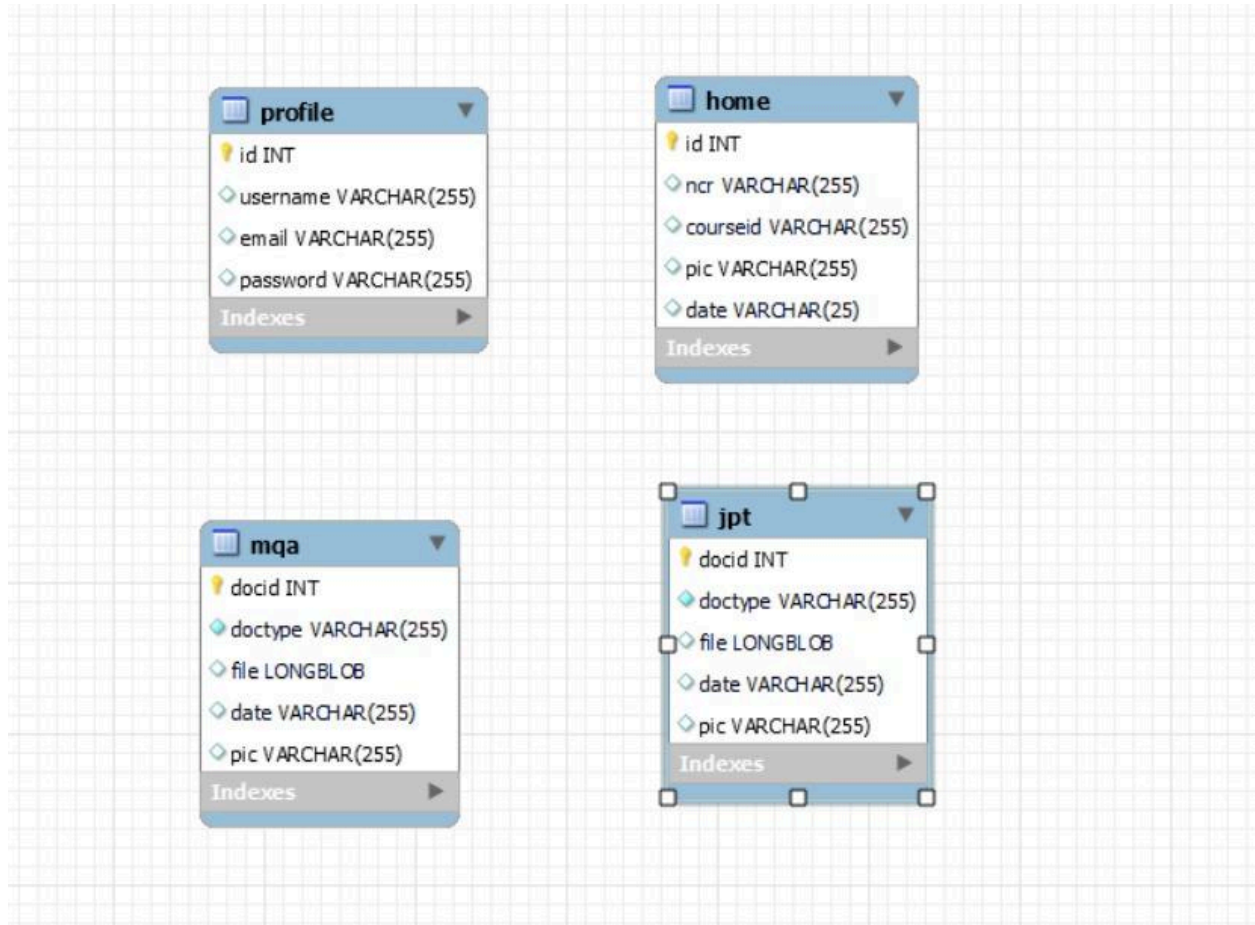


Diagram 3

Diagram 3 shows that all the data in the database is stand alone and independent

6.0 MVC Model

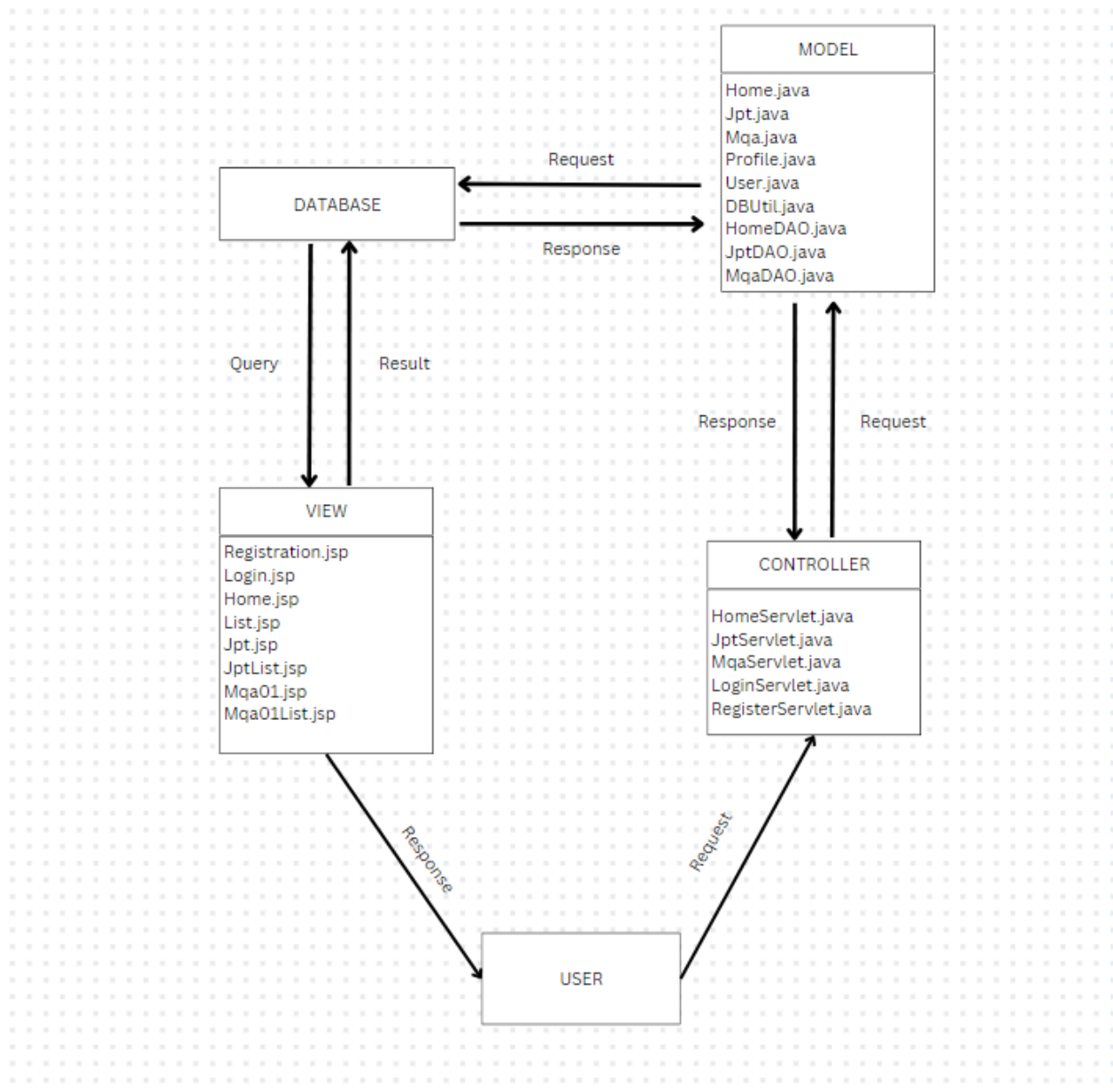
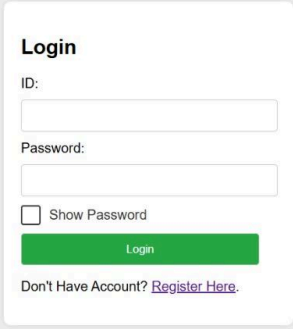


Diagram 4

Diagram 4 shows that the model and controller exchange data based on user requests. The model requests data from the database, and the database retrieves information for the view to display results based on the requested data

7.0 Interfaces



The image shows a login interface centered on a light gray background. The interface is a white box with a thin gray border. At the top, it has the title "Login" in bold. Below the title are two input fields: "ID:" followed by a text box, and "Password:" followed by a text box. Under the password field is a checkbox labeled "Show Password". Below the checkbox is a green button with the text "Login" in white. At the bottom of the box, it says "Don't Have Account?" followed by a blue link "Register Here".

Diagram 5

The Diagram 5 shows that the login page showed when user get into the page. User need to input ID and Password for available access to the page. Unauthorized user need to register first to gain access to the page and redo the login verification.

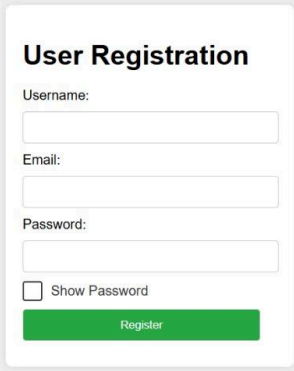
A user registration form titled "User Registration" is centered on a light gray background. The form is a white rectangle with a thin gray border. It contains three input fields: "Username:", "Email:", and "Password:". Below the "Password:" field is a checkbox labeled "Show Password". At the bottom of the form is a green button with the text "Register" in white.

Diagram 6

Diagram 6 show User Registration which user need to input the needed information/data so that user information can be saved an used for login. The needed information is Username/UserId , Email and Password.

The screenshot displays the 'New Course Registration' form within the UMT Academic Program Development Tracking System. The header includes the UMT logo and the system name. The navigation bar contains links for Home, Program List, Contact, and Manage Application, along with a Profile icon. The form itself is centered and contains the following fields: Name (text input), ID (text input), Person In Charge (dropdown menu with 'Select PIC' as the placeholder), and Date (text input with a date picker icon). At the bottom of the form are two buttons: a green 'Submit' button and a red 'Cancel' button. The footer of the page states '© Pusat Pengurusan dan Penjaminan Kualiti UMT 2024'.

UMT Academic Program Development Tracking System

Home Program List Contact Manage Application Profile

New Course Registration

Name:

ID:


Person In Charge:

Date:

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Diagram 7

Diagram 7 show New Course Registration page which is the home page of this page. Here user can input the courseName , courseID , Person In Charge and date to specifically describe the new course.



UMT Academic Program Development Tracking System

HomeProgram ListContactManage Application

 Profile

Provisional Accreditation Documents List

ID	Course Name	Course ID	Person In Charge	Date	Document For		Actions	
1	Mobile Computing	PEA3456	Team 1	2024-06-27	MQA-01	JPT	Edit	Delete
2	Social Sciences	SS25667	Team 1	2024-06-28	MQA-01	JPT	Edit	Delete
3	Informatic Maritime	UG33567	Team 1	2024-06-28	MQA-01	JPT	Edit	Delete
4	Tanam Tuai	TT 26577	Team 1	2024-06-28	MQA-01	JPT	Edit	Delete
5	Makhumat AM	MC 23356	Team 1	2024-06-28	MQA-01	JPT	Edit	Delete
					Add New Course			

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Diagram 8

Diagram 8 shows list of New Course Registration, where user can check the registered course for immediate tracking of the course registration.



 UMT Academic Program Development Tracking System	
Home	Program List
Contact	Manage Application
Profile	
MQA Application	
Add New Course	
<div> <div>Choose an item:</div> <div>-Pilih Borang-</div> </div> <div> <div>Choose a picture:</div> <div>-Pilih PIC-</div> </div> <div> <div>Choose a file:</div> <div>Choose File No file chosen</div> </div> <div> <div>Choose a date:</div> <div>dd/mm/yyyy</div> </div> <div> <div>Submit</div> <div>Cancel</div> </div>	
© Pusat Pengurusan dan Penjaminan Kualiti UMT 2024	

Diagram 9

The screenshot displays the 'JPT Application' form within the 'UMT Academic Program Development Tracking System'. The header includes the UMT logo and navigation links: Home, Program List, Contact, Manage Application, and a Profile icon. The form itself is titled 'JPT Application' and features a green 'Add New Course' button. Below this, there are four sections: 'Choose an item:' with a dropdown menu labeled '-Pilih Borang-', 'Choose a picture:' with a dropdown menu labeled '-Pilih PIC-', 'Choose a file:' with a 'Choose File' button and the text 'No file chosen', and 'Choose a date:' with a date input field showing 'dd/mm/yyyy' and a calendar icon. At the bottom of the form are 'Submit' and 'Cancel' buttons. The footer of the page contains the copyright notice: '© Pusat Pengurusan dan Penjaminan Kualiti UMT 2024'.

Diagram 10

Diagram 9 & Diagram 10 shows that the MQA Application form & JPT Application form where the user can add new MQA Document or JPT Document to the page which user need to pick the Borang Name, Person In Charge(PIC) of that document , the File to Upload and need to choose a date before submitting the document.



UMT Academic Program Development Tracking System

[Home](#)
[Program List](#)
[Contact](#)
[Manage Application](#)

Profile

Mqa List

Add New Mqa Document

Doc ID	Doc Type	File Name	Date	Person In Charge	Actions
1	borangD	document_1	2024-06-27	Team 1	Edit Delete
2	borangJ	document_2	2024-06-27	Team 2	Edit Delete
3	borangA	document_3	2024-06-27	Team 1	Edit Delete
5	borangC	document_5	2024-06-27	Team 3	Edit Delete
6	borangA	document_6	2024-06-27	Team 2	Edit Delete


AccessTime

27/06/2024, 5:00:07 pm

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Diagram 11

Diagram 11 shows that user input is being inserted to the Mqa List after the user has finally publish the document. Below is the Access Time shown when every session the user has access the list table. This will easily track user access time and , can be used for minutes meeting tracking.



UMT Academic Program Development Tracking System

[Home](#) [Program List](#) [Contact](#) [Manage Application](#) [Profile](#)

Jpt List

Add New JPT Document

Doc ID	Doc Type	File Name	Date	Person In Charge	Actions
5	borang2	document_5	2024-06-27	Team 4	Edit Delete
6	borang5	document_6	2024-06-27	Team 5	Edit Delete
7	borang5	document_7	2024-06-27	Team 1	Edit Delete
11	borang1	document_11	2024-06-27	Team 2	Edit Delete

AccessTime
27/06/2024, 5:00:29 pm

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Diagram 12

Diagram 12 shows that user input is being inserted to the Jpt List after the user has finally publish the document. Below is the Access Time shown when every session the user has access the list table. This will easily track user access time and , can be used for minutes meeting tracking.

8.0 Conclusion

The UMT Academic Program Development Tracking System (Provisional Accreditation (PA) Application) is a system for managing all the document that need to be sent to JPT and MQA fo issuing Provisional Accreditation.By using web-based solution, the process now can be tracked by the admin of the system and the document management are improved.The system use real-time update and user-friendly interface make the system can be access by the staffs and admins way faster,more efficient and also can reduce mistake happens.The system's ability to scale and adapt to future needs guarantees it will continue to develop to its perfection and be a valuable tool for years to come. In conclusion, this system shows UMT's dedication to holding high standards and building trust in its accreditation continues.

9.0 References

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