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 thats handles Provisional Accreditation (PA) Application that helps to track and manage the document needed to be sent out ot JPT and MQA.Tth 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

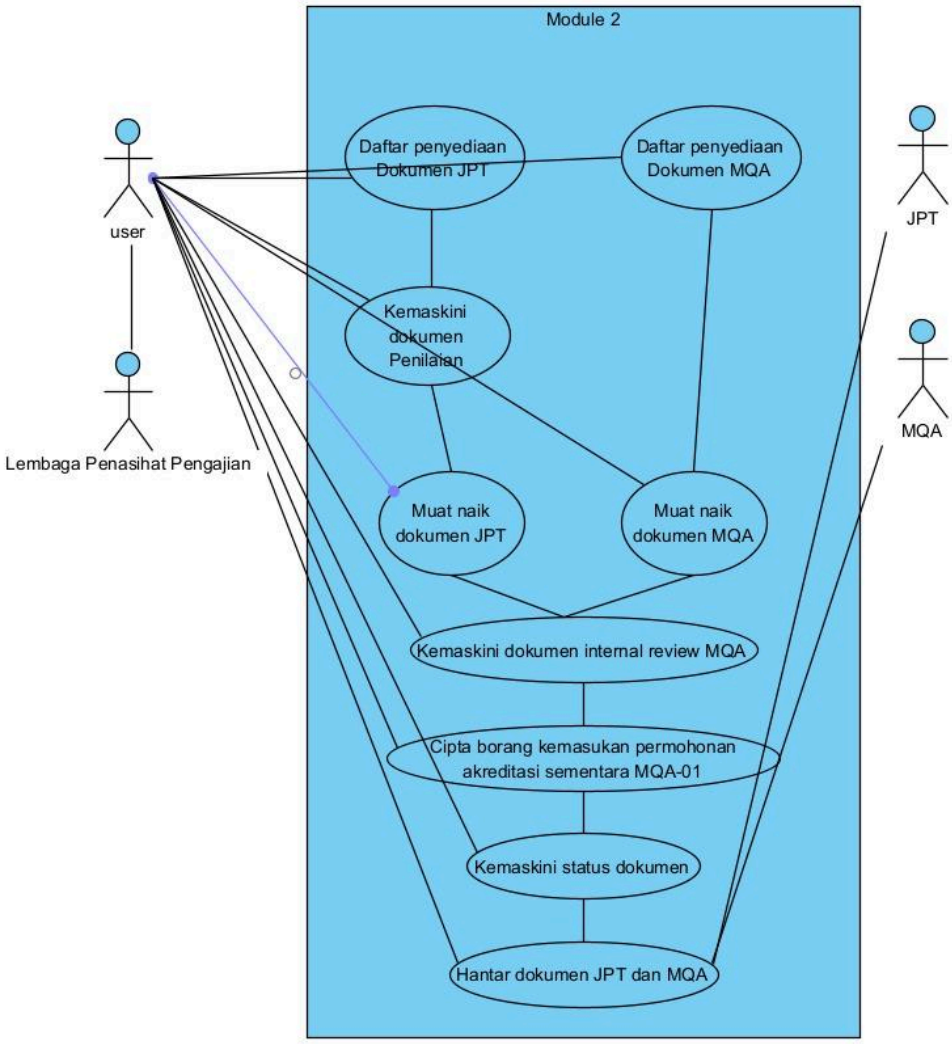

Diagram 1

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

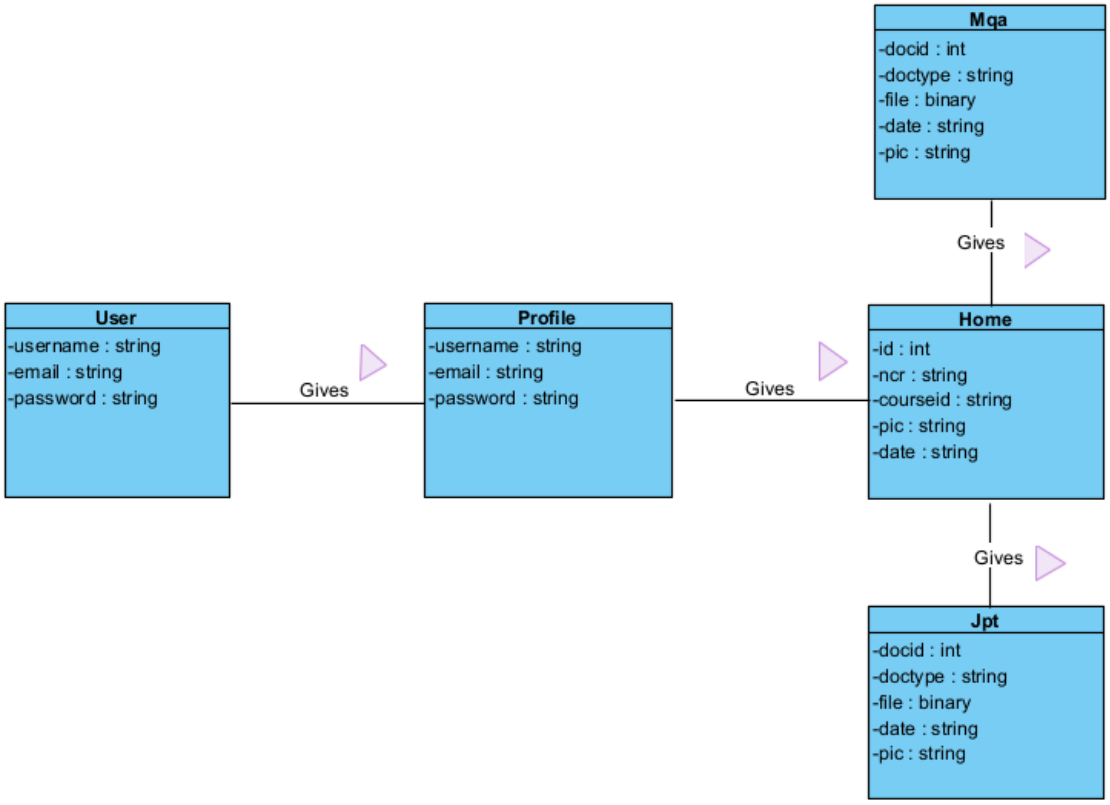

Diagram 2

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

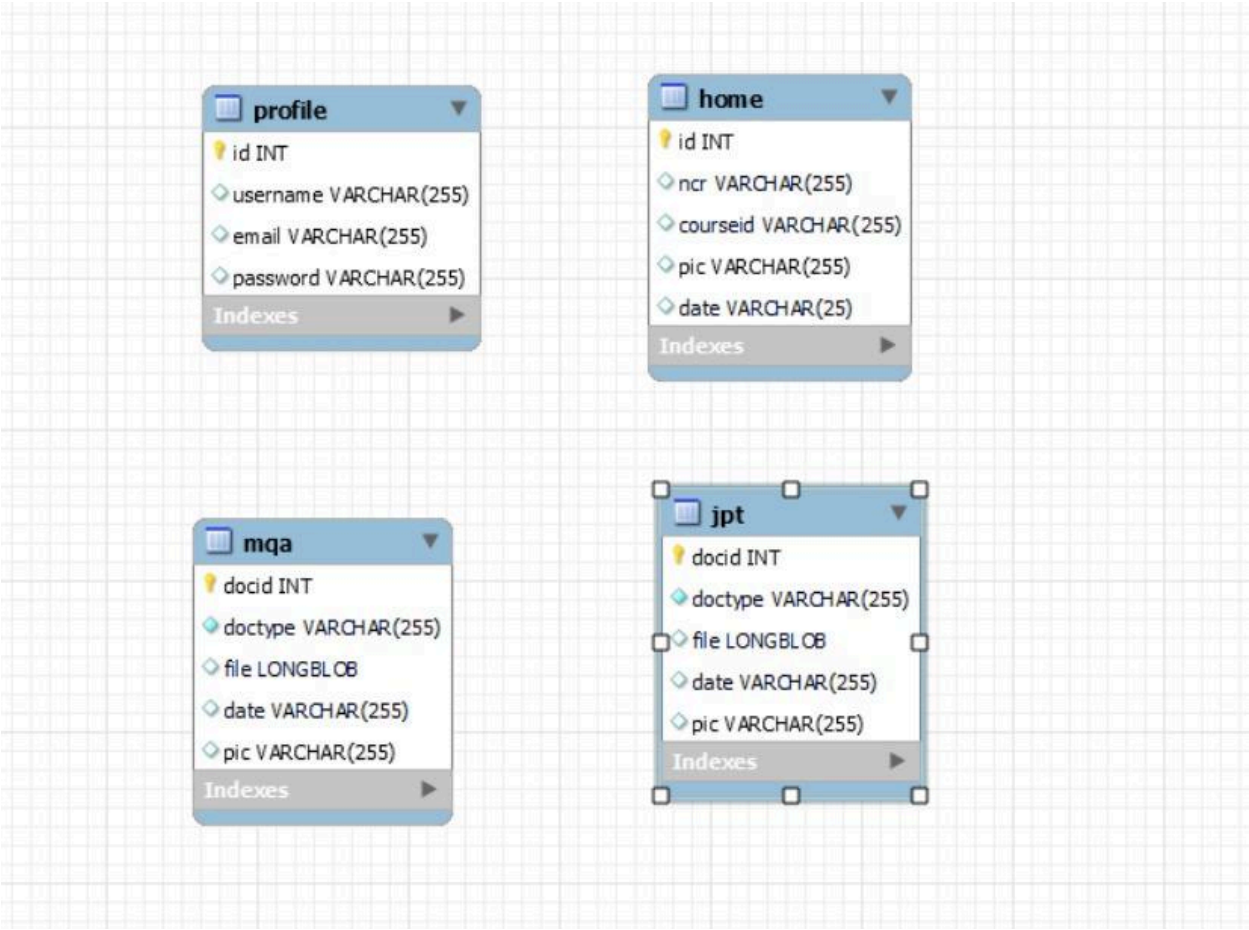

Diagram 3

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

6.0 MVC Model

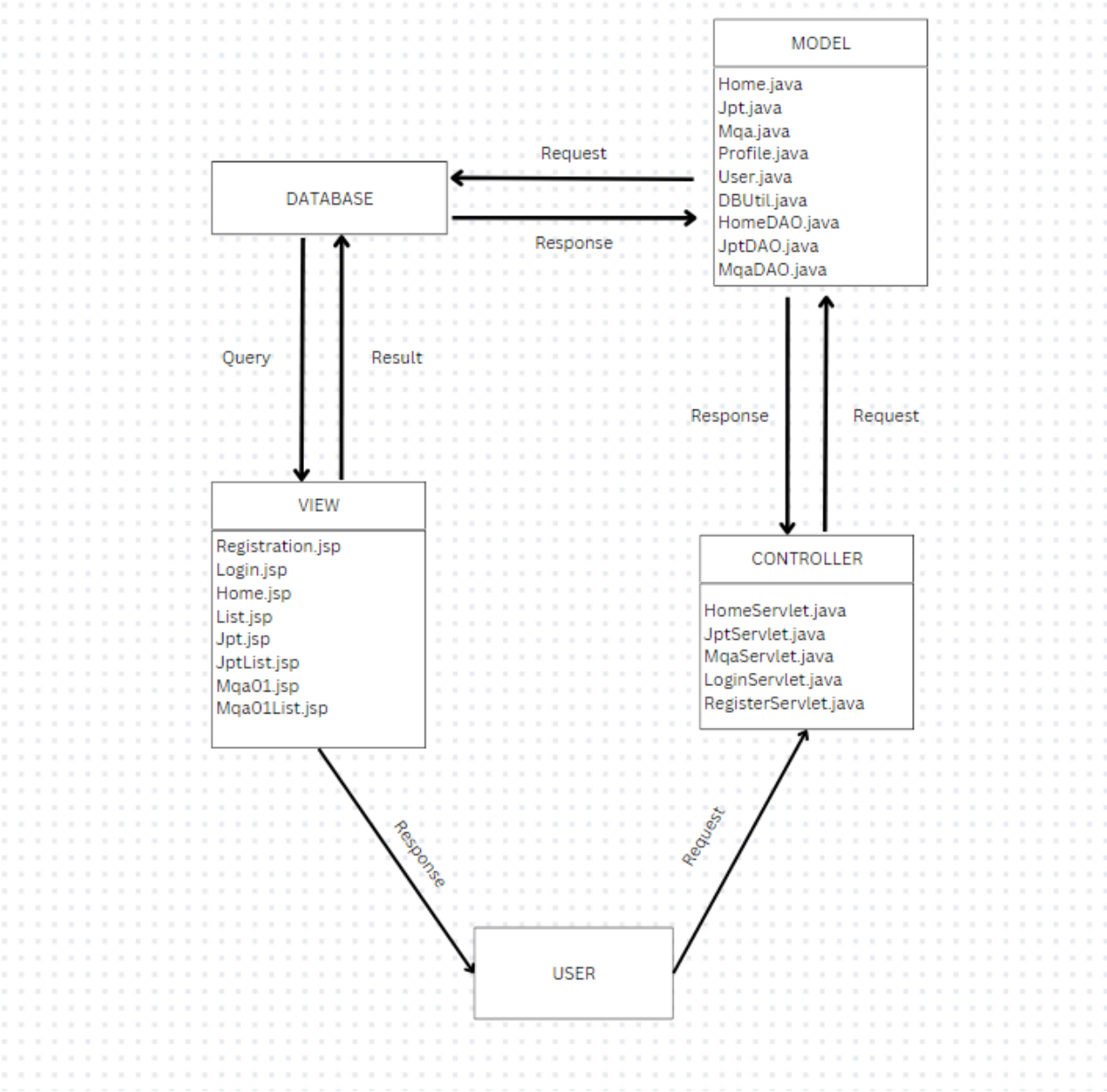

Diagram 4

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

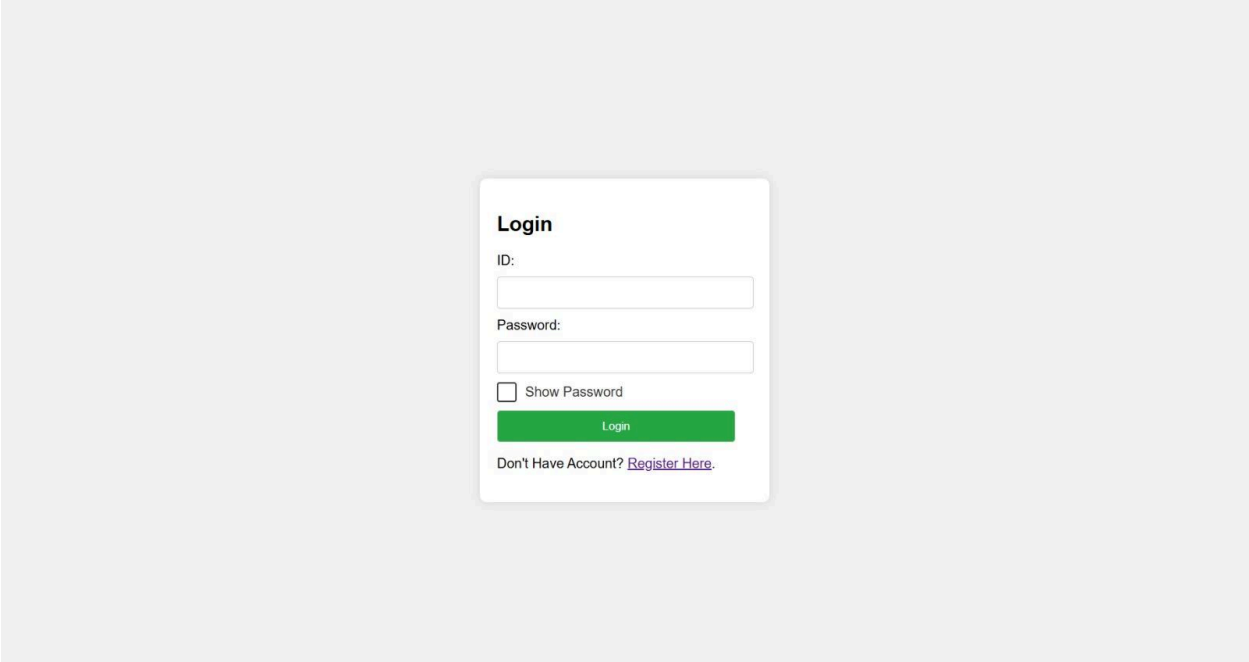

Diagram 5

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.

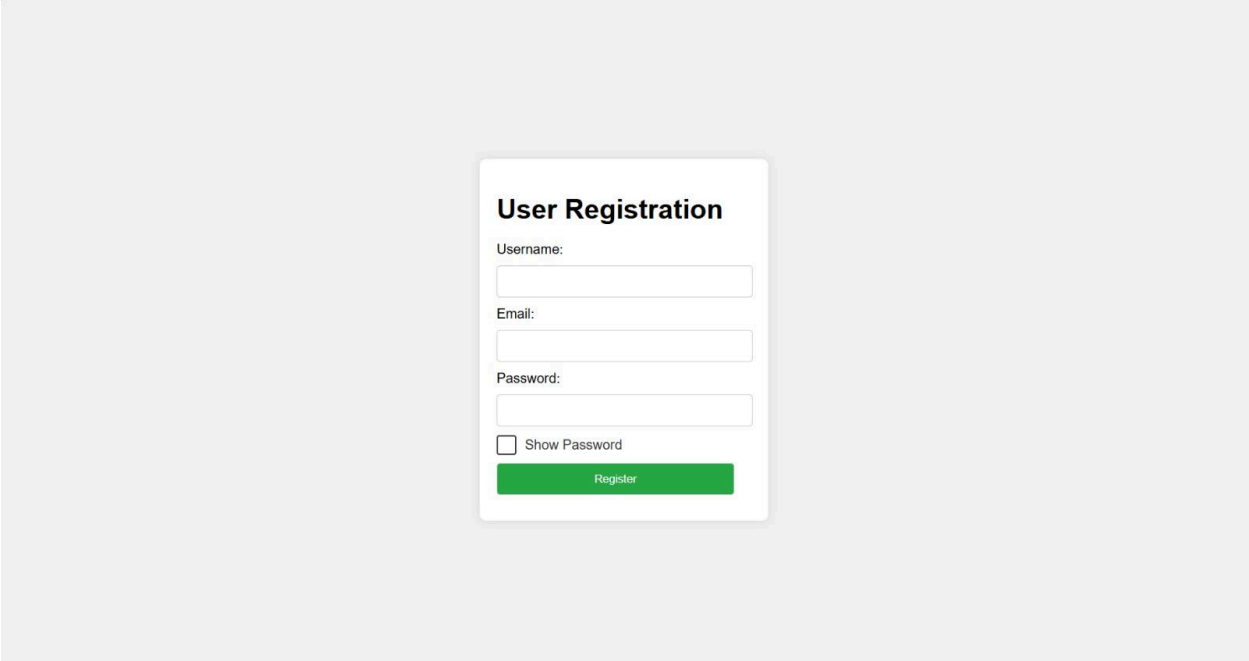

Diagram 6

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.

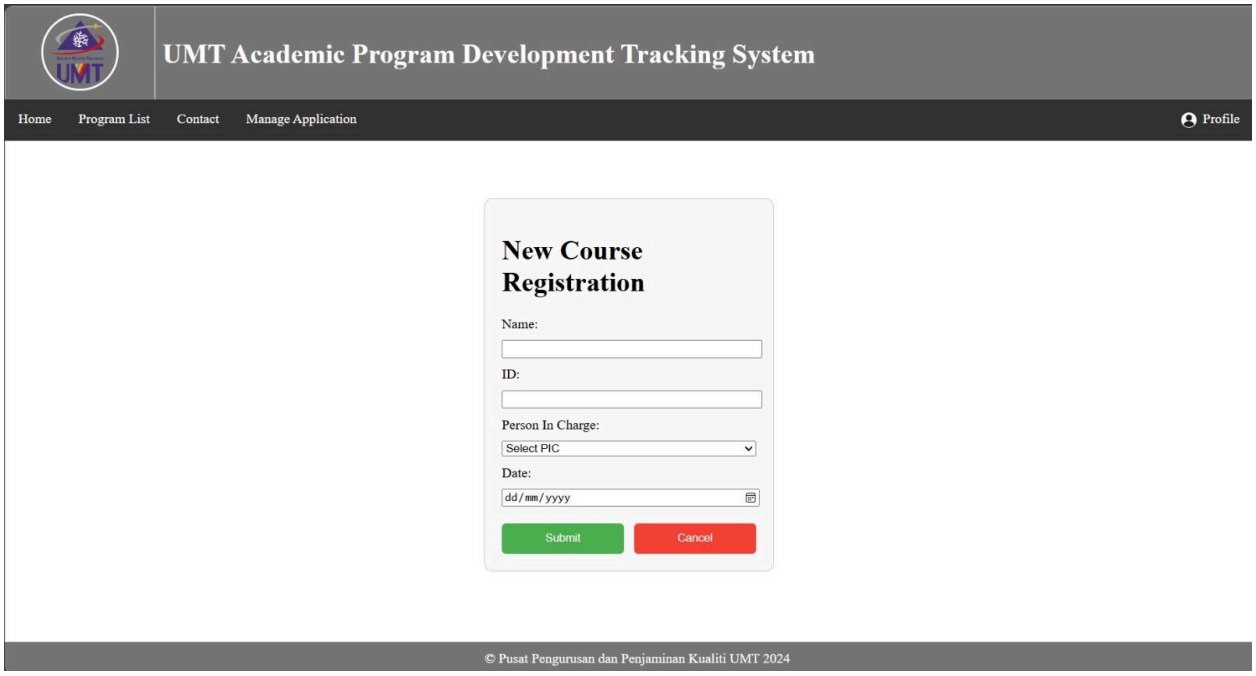

Diagram 7

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.

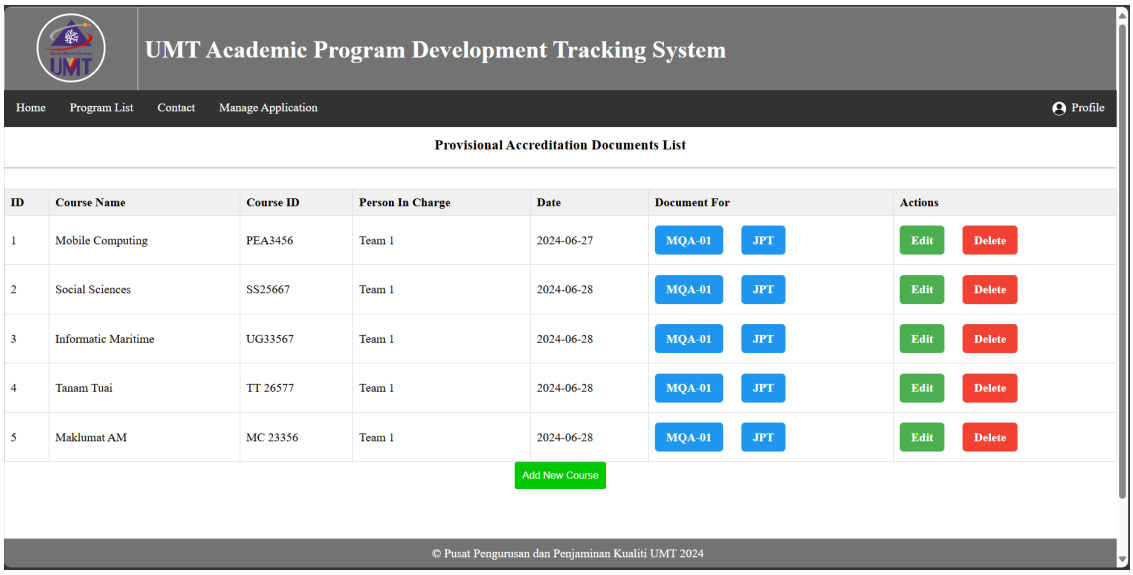

Diagram 8

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

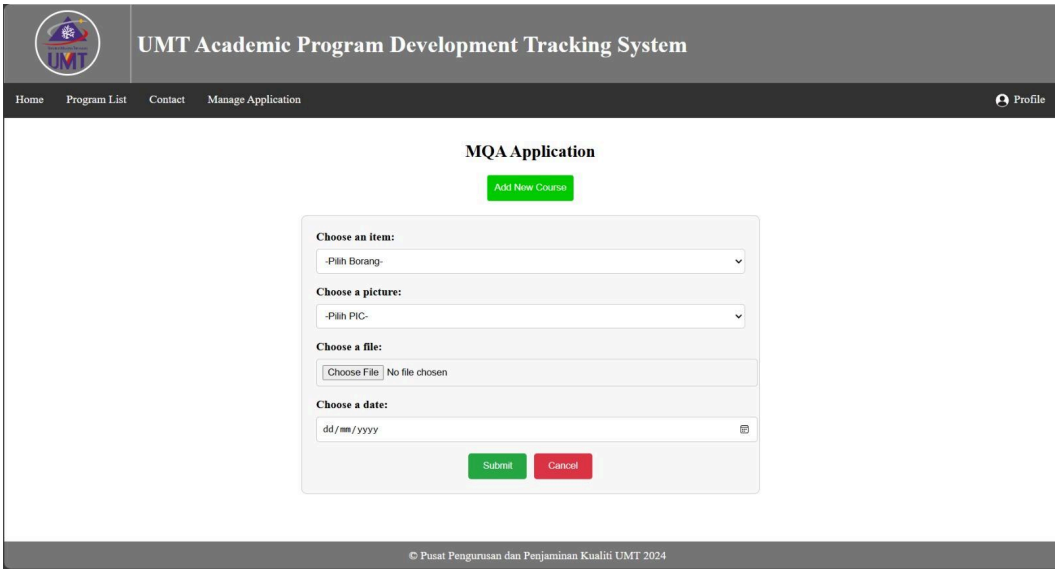

Diagram 9

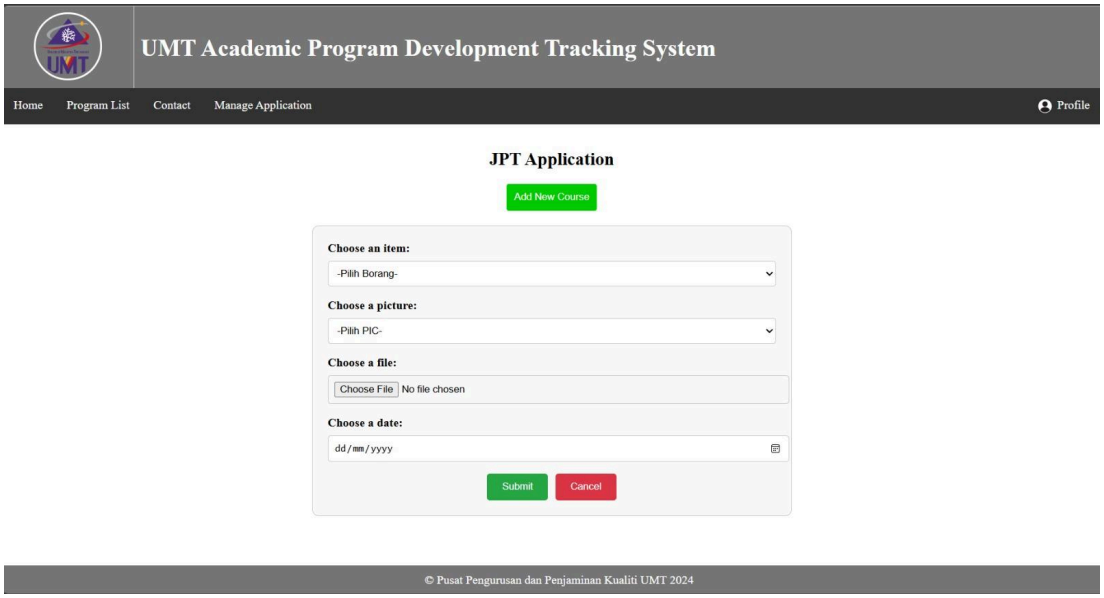

Diagram 10

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.

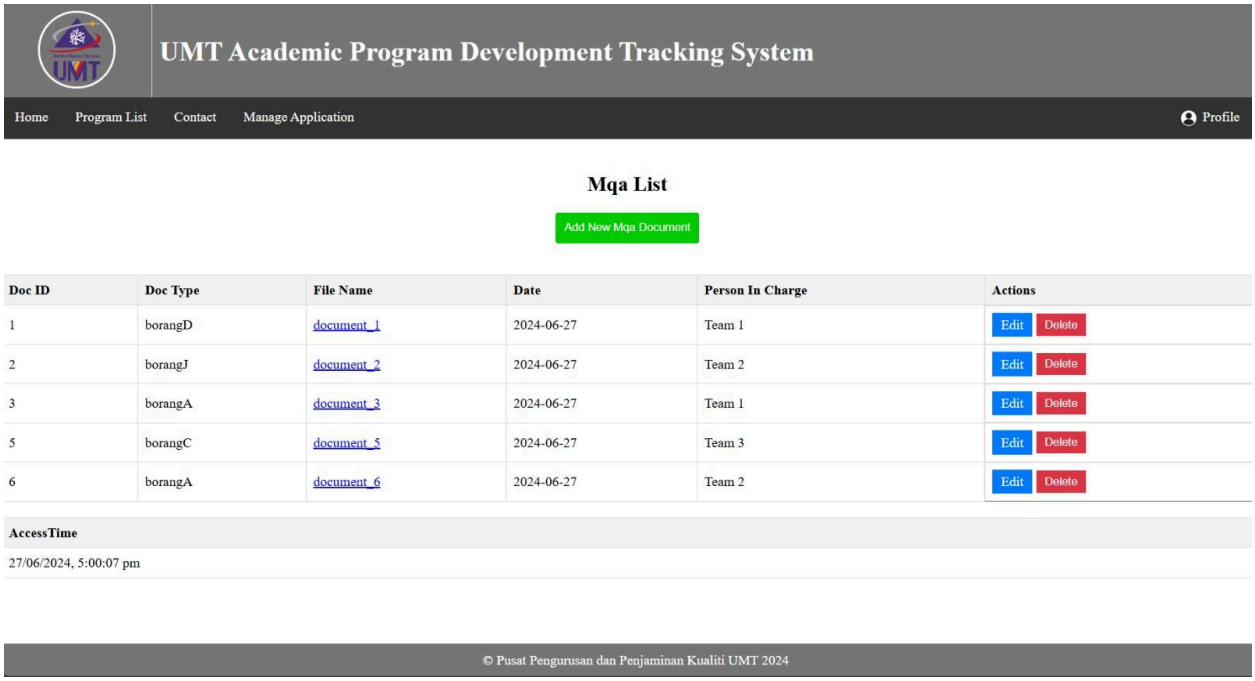

Diagram 11

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.

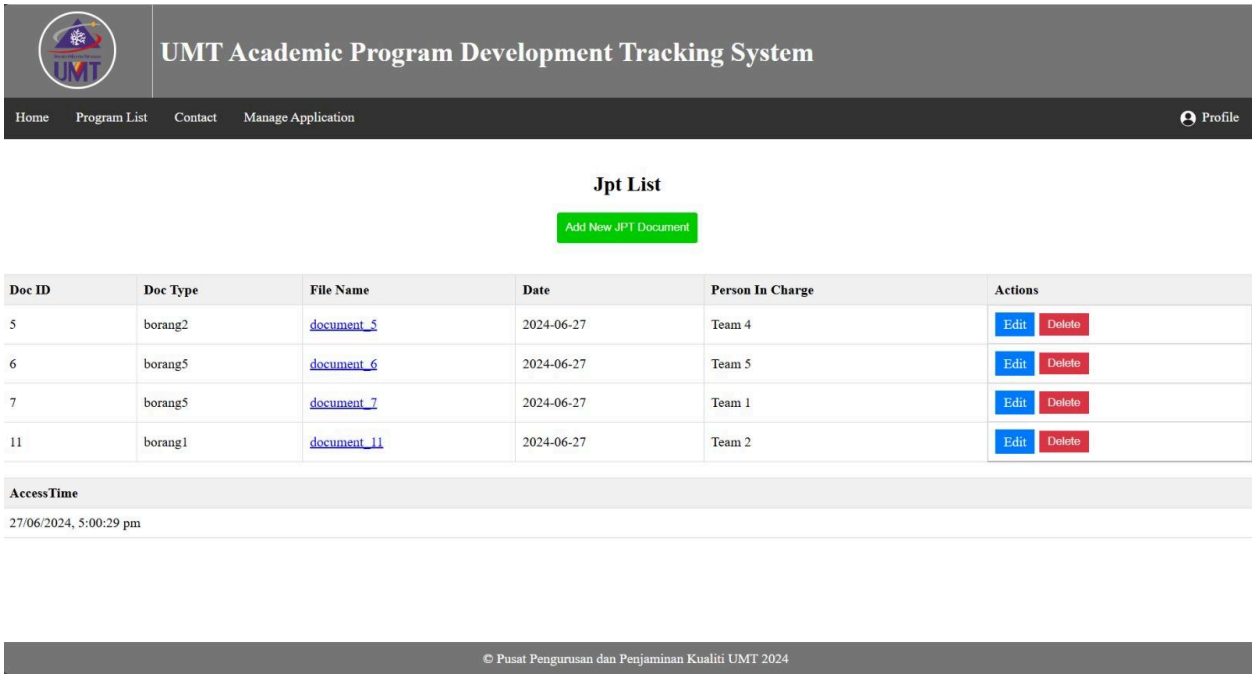

Diagram 12

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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3. *Requirements Traceability Matrix — everything you need to know | Perforce Software*. (n.d.). Perforce Software. https://www.perforce.com/resources/alm/requirements-traceability-matrix