



UNIVERSITI MALAYSIA TERENGGANU
FACULTY OF COMPUTER SCIENCE AND MATHEMATICS
[CSA3023]
WEB-BASED APPLICATION DEVELOPMENT
System Proposal
[UMT Transport Summons Management System]

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[Group 20]

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GROUP MEMBERS

NO.	MATRIC NO	NAME	JOB DESCRIPTION
1	S70741	MUHAMAD SYAFIQ BIN SHAFFIE	PROJECT MANAGER
2	S70611	MUHAMMAD SHAHRUL AIMAN BIN MOKHTAR	PROGRAMMER
3	S71471	AHMAD A'ZIM MUHAJMIN BIN JOHA	PROGRAMMER

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1. PROJECT OVERVIEW

The UMT Transport Summons Management System is a web-based system designed to manage vehicle-related summons issued on campus at UMT. Students who violate transport rules such as illegal parking or no vehicle sticker can view their summons online, make payment of their summons or submit appeals if their transport gets clamped because they get summons more than 3 times. Admins and officers can record new summons, manage users and monitor payments.

The system aims to make the process more transparent and efficient, reducing paperwork and long queues. We build it using the Model-View-Controller (MVC) architecture which supports full Create, Read, Update and Delete (CRUD) operations for all involved modules.

2. A MODULE FOR EACH GROUP MEMBER

MEMBER	MODULE	DESCRIPTION
MUHAMAD SYAFIQ BIN SHAFFIE	ADMIN	<ul style="list-style-type: none">• View student accounts• View summons• Approve or reject the appeal and payment• Log in and log out• Delete student
MUHAMMAD SHAHRUL AIMAN BIN MOKHTAR	STUDENT	<ul style="list-style-type: none">• Student registration, log in, and log out• Check issued summons and status
AHMAD A'ZIM MUHAJMIN BIN JOHA	SUMMONS MANAGEMENT	<ul style="list-style-type: none">• Record new summons(violation type, location, date, vehicle number)

3. PROBLEM DEFINITION

In Malaysia University of Terengganu(UMT), the management of summonses and citations is often handled through manual processes or fragmented digital systems. These traditional methods are prone to numerous challenges, including data inconsistency, lack of real-time access, inefficient tracking, and limited transparency. As the volume of summonses increases, these inefficiencies can lead to administrative backlogs, delayed resolutions, and user dissatisfaction.

The absence of a centralized and automated system makes it difficult for users to keep track of issued summonses, for staff to manage and update case statuses efficiently, and for administrators to oversee the entire process. Moreover, the manual handling of data increases the risk of human errors, data loss, and security vulnerabilities.

To address these challenges, this project proposes the development of a web-based **Summons Management System**. The system aims to provide a unified platform where:

- **Student** can register, securely log in, and conveniently view their summons details.
- **Staff** can issue new summonses and update the status of existing cases.
- **Administrators** have full oversight, with the ability to manage students, monitor system activities, and generate reports.

By implementing this system, organizations can achieve greater efficiency, accuracy, and transparency in the management of summonses, while also enhancing user satisfaction through improved accessibility and streamlined processes.

4. CLASS DIAGRAM

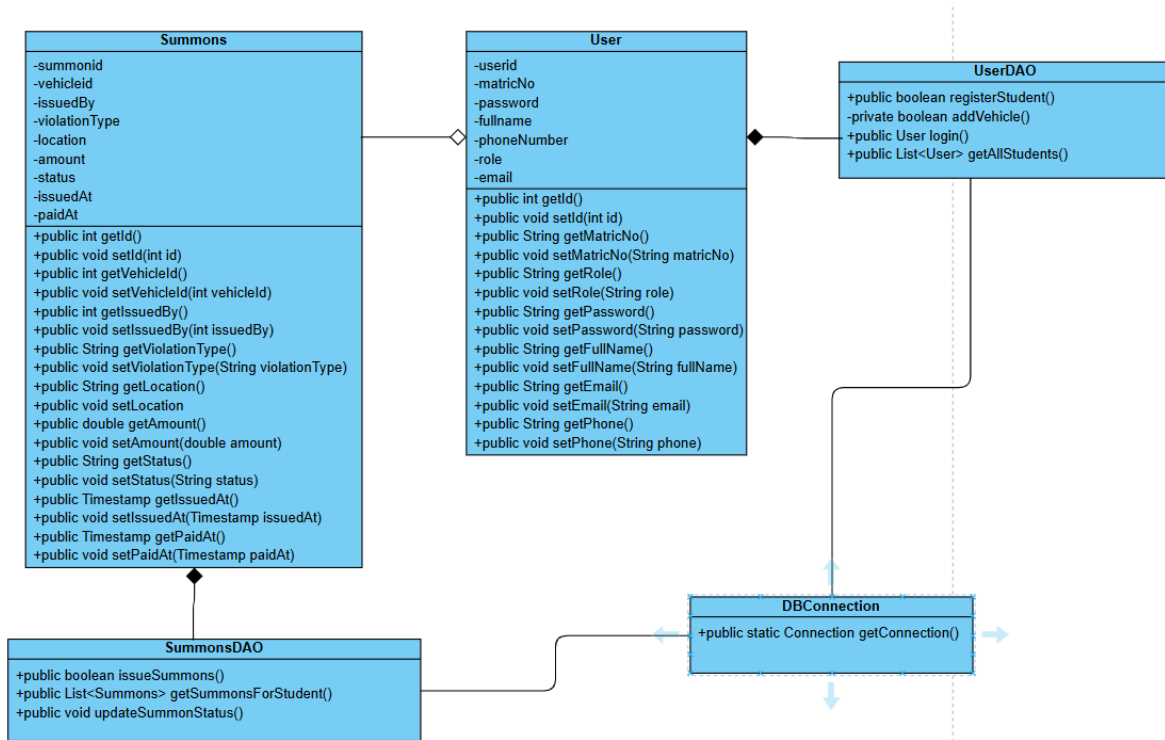
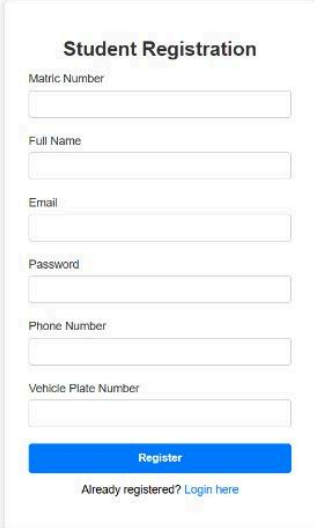


Diagram 1: Class Diagram

5. WIREFRAME

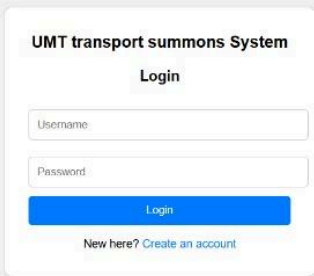
On this page, students will fill in the information to log in to the account.



The wireframe shows a 'Student Registration' form centered on a light gray background. The form is a white rectangle with a thin gray border. At the top, the title 'Student Registration' is centered in bold. Below the title are six input fields, each with a label to its left: 'Matric Number', 'Full Name', 'Email', 'Password', 'Phone Number', and 'Vehicle Plate Number'. Each input field is a simple white rectangle with a thin gray border. Below the last input field is a blue button with the word 'Register' in white text. At the bottom of the form, there is a link that says 'Already registered? [Login here](#)'.

Diagram 2: Student Registration Page

On this page, the users who are administrators, staff, and students will provide their email and password to log in.



The wireframe shows a 'UMT transport summons System' login form centered on a light gray background. The form is a white rectangle with a thin gray border. At the top, the title 'UMT transport summons System' is centered in bold. Below the title is the word 'Login' in bold. There are two input fields: 'Username' and 'Password', each with a label to its left. Each input field is a simple white rectangle with a thin gray border. Below the last input field is a blue button with the word 'Login' in white text. At the bottom of the form, there is a link that says 'New here? [Create an account](#)'.

Diagram 3: Log In Page

On this page, which is the student's dashboard, they can view their summon and status.

Welcome, sapek

Your Summons

ID	Violation	Location	Amount (RM)	Status	Issued Date
1	Speeding	ks	50.00	appealed	2025-06-12 15:04:11.0
2	No Vehicle Sticker	pusat kuliah	50.00	paid	2025-06-12 15:05:14.0
4	No Vehicle Sticker	pusat islam	50.00	paid	2025-06-12 15:57:38.0
5	Speeding	dpn cu mart	50.00	paid	2025-06-12 18:12:12.0

[Logout](#)

Diagram 4: Student Dashboard

On this page, the admin can change the status of the students who have summons.

Welcome, Admin mckwa

Student List

Matric No	Name	Email	Phone	Summons
S12345	Ali Ahmad	ali@umt.edu.my	null	• Illegal Parking - paid
S79922	ss	nyarul@dummy.com	01161503499	No summons
s70741	sapek	sapek@umt.edu.my	0138820640	• Speeding - appealed • No Vehicle Sticker - paid • No Vehicle Sticker - paid • Speeding - paid
s70640	arif kamal	s70640@umt.edu.my	0112233456	No summons

[Logout](#)

Diagram 5: Admin Dashboard

On this page, the staff will key in the plate number of the student's vehicle for a summons.

Welcome, Staff

Issue Summons

Matric Number:
Violation Type: 
Location:

[Logout](#)

Diagram 6: Staff Dashboard