# CS355 Databases

# Fall 2019

# Project Proposal

**Vehicle Management System**

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# *Submitted to*

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**Introduction**

A vehicle management system is being made to keep track of the students, faculty, staff or guests, when they leave or come to our University. Records of the people who would visit the university, it would help in making sure that the university had a good track of the people that came and left the university. It would also help a lot in stopping people from ordering anything and not picking it up from the gate as ID would be required to order. The system would also make sure guests didn’t stay more than allowed time by timing their duration of visit.

**Modules of the System**

Operator (Admin):

Let’s in the cars

Checks the car type.

Car type can be faculty, student, staff.

Checks if its registered to the office of security

Checks if they have the campus sticker.

If they don’t have the campus sticker they can’t park inside the campus.

If they don’t have the id card they can’t park inside the campus.

Checks the name and id of the person entering.

Checks the number plate of the vehicle.

Owner:

Whether they have the sticker with them or not.

Whether they have the id or not.

Checks the time in of the owner.

Checks the time out of the owner.

Vehicle:

Type of vehicle determines what is the vehicle. Car/bike etc.

If it’s a bike it’s parking will be in the bike section of parking.

If it’s a car it’s parking will be in the car section of parking.

Guest:

Checks the time in of the guest.

Checks the time out of the guest.

Checks if they have filled the entry form prior to the visit and at least 24 hours before the visit.

**Front-end Development**

The vehicle management system will use a Windows Application Form which will have records of the people who would visit the university, it would help in making sure that the university had a good track of the people that came and left the university. It would also help a lot in stopping people from ordering anything and not picking it up from the gate as ID would be required to order. The system would also make sure guests didn’t stay more than allowed time by timing their duration of visit.

**Tools & Technologies**

Back-end: SQL Server

Front-end: C#