Description

UNITEN TAS v3.0 is an upgraded version of the current UNITEN Time Attendance System (TAS).This fully automated application provides more benefits to user by providing additional modules based on Vehicle Plate Recognition technique.

Problem Statement

- Limited number of TAS devices in UNITEN campus (at BW, BN and BA building).
- Existing Time Attendance System (TAS) is an individual system that is not synchronized with other UNITEN systems such as E-Training Application (ETA).
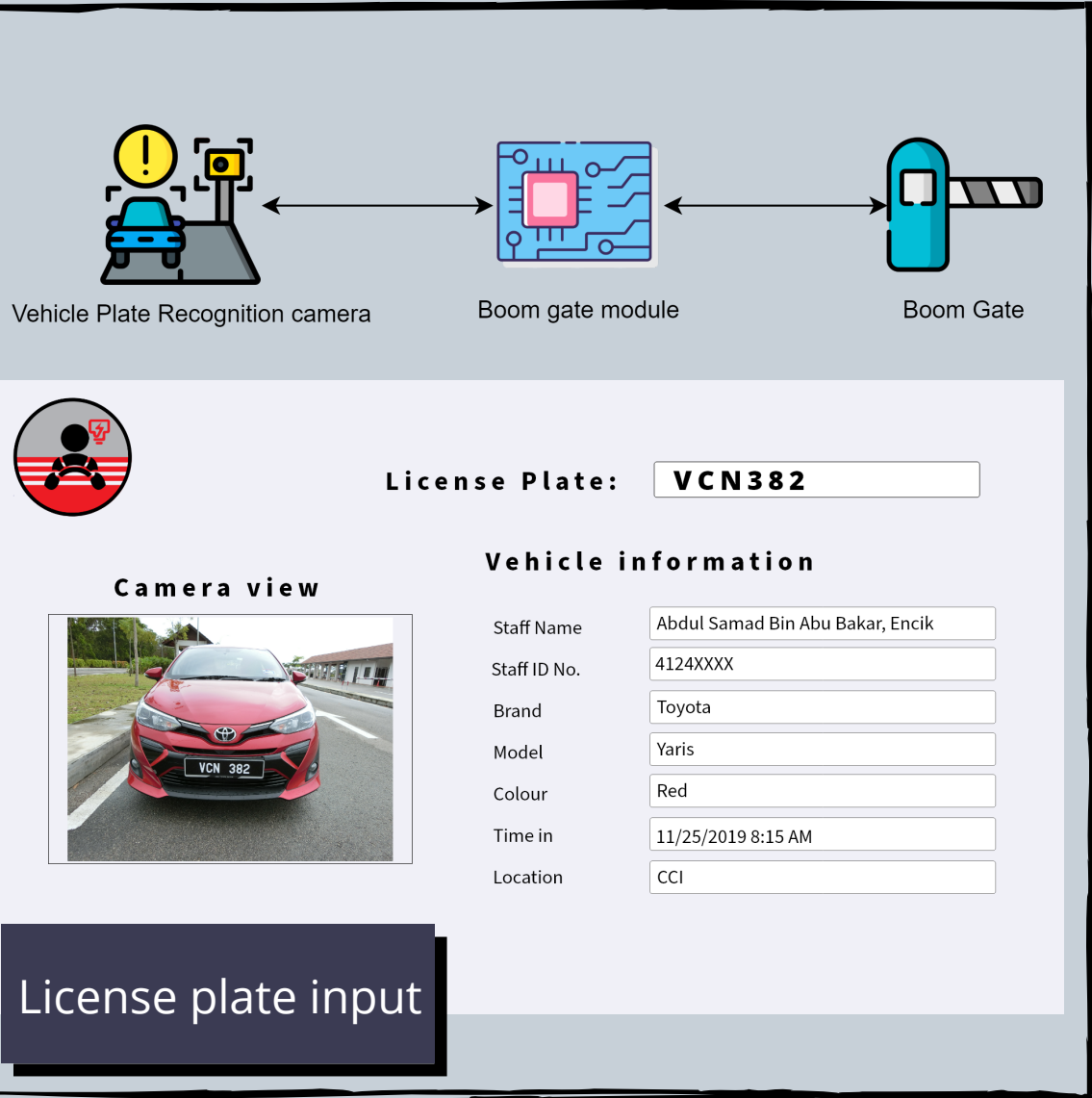- The current vehicle registration process is done manually.

TAS v3.0

Objectives

- To study the requirement and limitation of existing UNITEN Time Attendance System.
- To design UNITEN Time Attendance System that provides user with additional system modules in existing system.
- To develop UNITEN Time Attendance System that implements fully-automated system based on Vehicle Plate Recognition technique.

Commercialization

UNITEN TAS v3.0 can be commercialized to numerous industries that use plate number or text recognition as input such as:

- Government/Private sectors
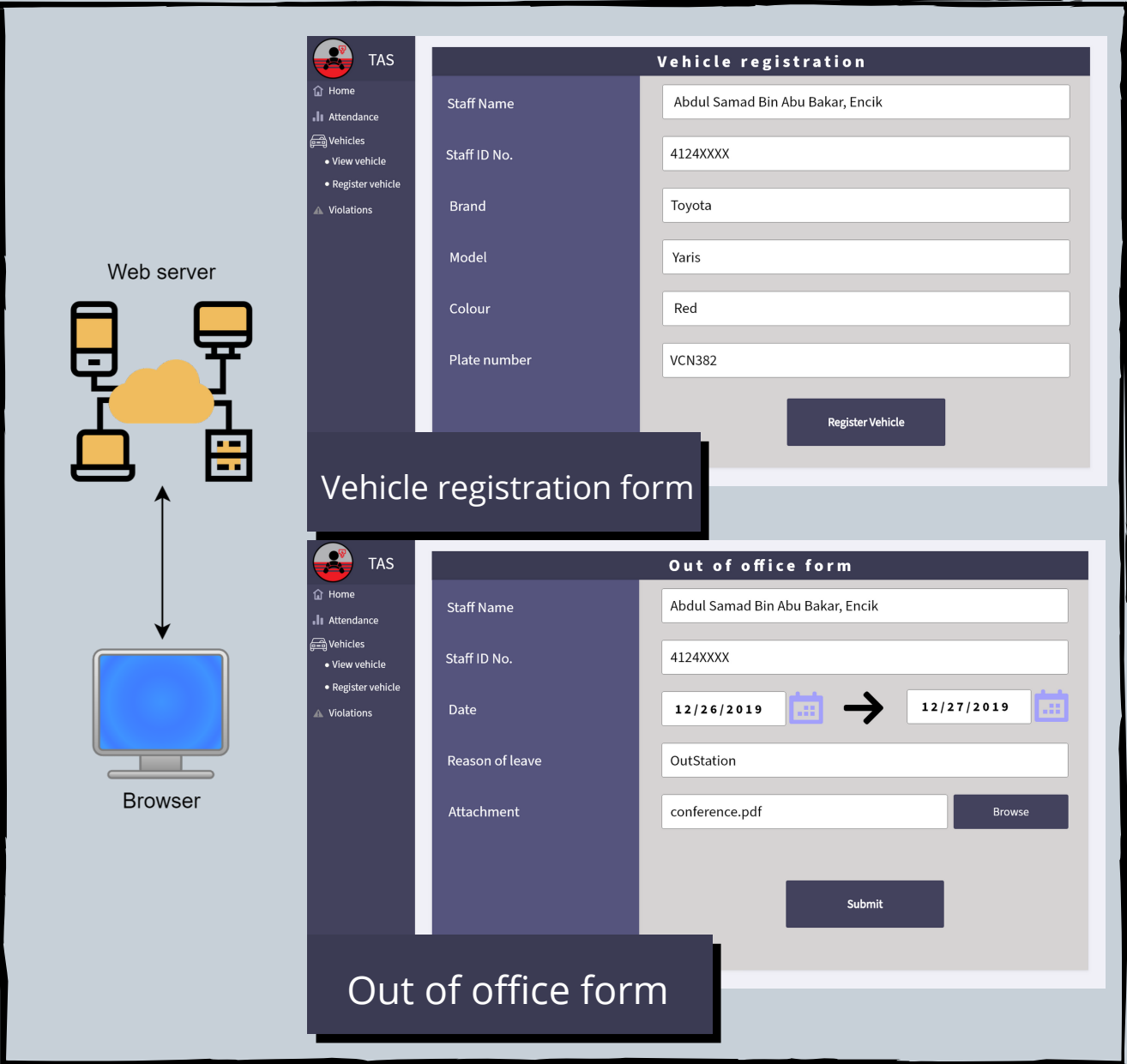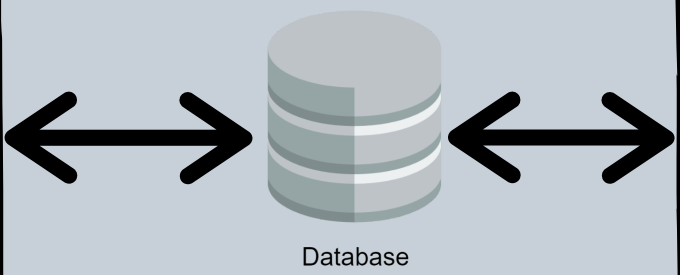- Car Rental services (SOCAR)
- Toll systems

Proposed Solution

Vehicle Plate Recognition camera — Boom gate module — Boom Gate

License plate input

License Plate: VCN382

Vehicle information

Staff Name	Abdul Samad Bin Abu Bakar, Encik
Staff ID No.	4124XXXX
Brand	Toyota
Model	Yaris
Colour	Red
Time in	11/25/2019 8:15 AM
Location	CCI

Camera view

Vehicle Plate Recognition module

Database

Web server

Browser

Vehicle registration form

Vehicle registration

Staff Name	Abdul Samad Bin Abu Bakar, Encik
Staff ID No.	4124XXXX
Brand	Toyota
Model	Yaris
Colour	Red
Plate number	VCN382

Register Vehicle

Out of office form

Out of office form

Staff Name	Abdul Samad Bin Abu Bakar, Encik
Staff ID No.	4124XXXX
Date	12/26/2019 → 12/27/2019
Reason of leave	OutStation
Attachment	conference.pdf

Submit

Attendance monitoring module

TAS v3.0 System Architecture

Contact Us

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