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#### 1 - Introduction

#### 1.1 - Overview

The title of this project will be Complaint Management System for the Municipal Council inspired by the current system which the Kuantan Municipal Council (MPK) uses. A municipal council have many departments where each division have their own specific role on how to serve the public better or enforce law and order.

For example, the financial department and the enforcement department. The financial department's role would be to manage the council financially and handle the collection of revenue, expenditure, and budget. The enforcement department's role is quite heavy which is to plan, coordinate and enforce laws prudently, effectively and continuously. This department is responsible for controlling and taking enforcement actions on faulty offenses in public places, public roads, construction sites and public housing areas. In addition to that, this department is also responsible for assisting the Housing Management Department in implementing enforcement actions.

The enforcement department can also be divided into many units for example the compound unit and complaint unit. The e-complaint unit also exist under the law and enforcement department. This particular unit is responsible for receiving complaints online, investigating those complaints and provide the public with a satisfying feedback.

This unit will also be assisted by some officers from the financial department in managing the e-compound payment system. This unit will also have an appointed leader, who assigns complains to the staffs, and monitor revenue from compound collection. The staff will then investigate the complaints and try to solve them with the resources provided by the enforcement department and request assistance from other departments in the council if necessary.

So, this project will be designed to cover only the self-service portal features which includes e-compound and e-complaint feature for the public. It will also include an interface for the staff to view their assigned complaint and provide report back to the public. As for the administrator, a small scale employee management system and an interface to monitor revenue from compound payment will be included.

#### 1.2 - Problem Statement

Currently, the public will usually have to go to municipal council to enquire about the compound they received, pay their fine and sometimes to issue a complaint. As it is possible to do all this online, some of the citizen actually prefer to go the municipal office. This proves that the existing system is not user friendly, does not have all the options located in one place and it does not handle the citizens' complaints responsively. As for the staff, the current system proves difficult for them to accept and respond to complaints with their existing workload. The existing system also do not have a module for the administrator where they can manage the compound payments manage their staff and divide the workload effectively between their staffs.

#### 1.3 - Objectives

- i. To develop a system that enables the public to issue a complaint and pay their compound payments online.
- ii. To develop a system that enables the staff to receive complaint from the administrator and respond to the complainant easily.
- iii. To develop a system that enables the administrator to accept and assign complaints, manage the staff and compound payment easily.

#### **1.4** – **Scope**

- Staff
  - ✓ View assigned complaints
  - ✓ Provide updates to complainants
  - ✓ View and change profile information
  - ✓ Apply leave and view result
  - ✓ Receive notice on overdue complaints

#### • Public

- ✓ Issue a complaint online
- ✓ View feedback from the complaint issued
- ✓ Check and pay compounds.
- ✓ Edit profile information

#### Administrator

- ✓ Receive complaints from public
- ✓ Assign complaints to staff
- ✓ Give notice to staff on overdue complaints
- ✓ View and edit profile information.
- ✓ Get current update
- ✓ View complaint and revenue statistics
- ✓ View and manage compound payments
- ✓ View and manage staff information
- ✓ Prevent staff on leave from logging in
- ✓ View and manage leave applications

#### • What the proposed system cannot do:

- **×** Perform budgeting
- **★** Manage assets
- **x** License and permit issuance
- **✗** Inventory Management

#### 1.5 – Project significance

This project will most definitely benefit the public, staff and the administrator of the municipal council. The public will be able to experience a simple and better way of settling their compounds without leaving the comfort of their home. In addition, the public can also issue a complaint online and they will be able to get updates easily from the staffs. As for staffs, their workloads will be equalized and they can directly inform the complainant of any progress or any actions taken against their complaint. The administrators should be able to view report of the solved complaints and revenue from compound payments by the public to monitor their council's efficiency. They should also be able to assign complaints to their staff and manage their staff's records easily.

#### 1.6 - Report organization

As a conclusion to this chapter, the title of my project was Municipality Management System. This goal of this project is to make the public experience the services the council has to offer in a convenient manner while offering task efficiency for the staff and the administrator as well. As for the next activities, it would be to conduct a system review to figure out three similar features that are included in three different systems and making sure that they are included in my system.

#### 2 - System Review

#### 2.1 - Introduction

In order to obtain some crucial information regarding Municipal Management System a system review must be conducted. The objective here is to include at least three features that the other system have into my system and add other unique features of my own. To proceed with the system review, I have selected TownSuite Municipal, Zuercher Suite and MyGov.

#### 2.2 - System Review 1

#### Townsuite Municipal

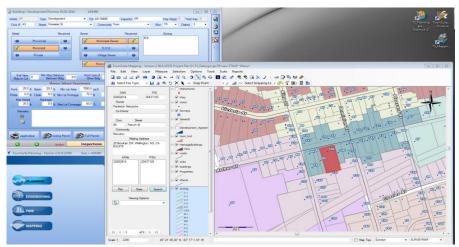


Figure 2.2.1 – Townsuite Municipal

TownSuite have a subsystem to manage different departments and roles. They are all disconnected, but share one purpose that is to make smarter decisions faster. It's intuitive, real time and a customer-centric software designed with the municipality in mind.

#### Pros:

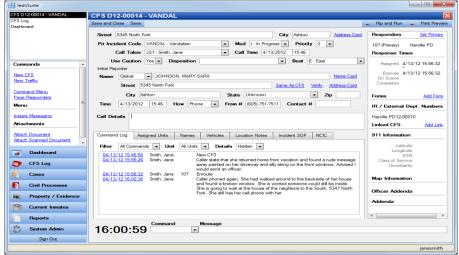
- ✓ Manage inventory
- ✓ Issue permit
- ✓ Have Self Service Portal
- ✓ Pay taxes
- ✓ Pay utility bill
- ✓ Manage employee workload

#### Cons:

**x** Cannot issue license online

#### 2.3 - System Review 2

#### Zuercher Suite



2.3.1 – Zuercher Suite

Zuercher Suite is a public safety software system, built as one application with one database from one vendor. It is comprised of Computer-Aided Dispatch, Mapping, Records Management, Mobile CAD & RMS, Jail Management, Civil Process Tracking, Financial Records, Agency Administration, Reporting, and much more. By combining agency-wide functionality into one easy-to-use system, the software coordinates and automates the thousands of tasks performed by public safety professionals each day.

#### Pros:

- ✓ Manage inventory
- ✓ Can pay tax
- ✓ Can issue license
- ✓ Manage employee workload
- ✓ Can pay bill

#### Cons:

- **✗** Do not have self-service portal
- **×** Cannot manage assets
- **×** Cannot issue permit

#### 2.4 - System Review 3

#### MyGov

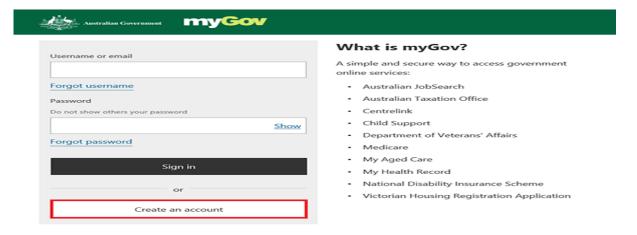


Figure 2.4.1 – MyGov

MyGov is simple, affordable, web-based, work from anywhere, work with anyone Community Development software suite. MyGov modules are easily implemented, fully customizable and intuitive to use by you and your client.

#### Pros:

- ✓ Can issue license
- ✓ Can issue permit
- ✓ Have Self Service Portal
- ✓ Can manage staff workload
- ✓ Can perform budget calculations

#### Cons:

- **x** Cannot manage inventory
- **×** Cannot pay taxes
- Cannot pay utility bill

# **2.5** – **Summary**

Features	Townsuite	Zuercher	MyGov	My System
Self-service portal	<b>√</b>	*	✓	✓
Manage Inventory	<b>√</b>	<b>√</b>	*	×
Issue License	*	<b>√</b>	✓	×
Manage Staff Information	<b>√</b>	×	*	✓
Pay compound	<b>√</b>	×	*	✓
Manage Staff Workload	✓	<b>✓</b>	✓	✓
Issue complaints	×	×	*	✓
Receive and provide feedback to complaints	*	×	×	<b>✓</b>
Pay taxes	<b>√</b>	✓	*	*
Pay utility bills	<b>√</b>	✓	✓	*
Issue Permit	<b>✓</b>	*	<b>√</b>	*

Figure 2.5.1 – System Feature List

#### 3 - Methodology

#### 3.1 - Introduction

Sufficient planning is necessary before delving deeper into a project to avoid developing an end product that might not meet the needs and expectation required. The software development life cycle model prevents a developer from having to suffer the consequences of forgetting a step from the beginning of the project until the end of it. The objective here is to review three methodologies, analyse them and choose one that suits the project's needs. The methodologies that I have chosen are the Big Bang Model, Spiral Model and the Agile Model.

### 3.2 - Review on Three Methodologies

#### **Iterative Model**

An iterative life cycle model does not attempt to start with a full specification of the requirements. Instead, development begins by specifying and implementing only part of the software, which is then reviewed to identify further requirements. This process is then repeated, producing a new version of the software at the end of each iteration of the model.



Figure 3.2.1 – Iterative & Incremental Model

Iterative process starts with a simple implementation of a subset of the software requirements and iteratively enhances the evolving versions until the full system is implemented. At each iteration, design modifications are made and new functional capabilities are added. The basic idea behind this method is to develop a system through repeated cycles (iterative) and in smaller portions at a time (incremental). This process may be described as an evolutionary acquisition or incremental build approach.

Iterative model have the following process.

- 1. First, the whole requirement is divided into various builds.
- 2. During each iteration, the development module goes through the requirements, design, implementation and testing phases.
- 3. Each subsequent release of the module adds function to the previous release.
- 4. The process continues till the complete system is ready as per the requirement.
- 5. As the software evolves through successive cycles, tests must be repeated and extended to verify each version of the software.

#### **Spiral Model**

The spiral model combines the idea of iterative development with the systematic, controlled aspects of the waterfall model. This Spiral model is a combination of iterative development process model and sequential linear development model.

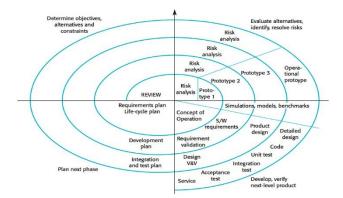


Figure 3.2.2 – Spiral Model

The spiral model has four phases:

#### 1. Identification

This phase starts with gathering the business requirements in the baseline spiral and understanding the system requirements by continuous communication between the customer and the system analyst. At the end of the spiral, the product is deployed in the identified market.

#### 2. Design

This phase starts with the conceptual design in the baseline spiral and involves architectural design, logical design of modules, physical product design and the final design in the subsequent spirals.

#### 3. Construct or Build

The Construct phase refers to production of the actual software product at every spiral. In the baseline spiral, when the product is just thought of and the design is being developed a proof of concept is developed in this phase to get customer feedback.

#### 4. Evaluation and Risk Analysis

Risk Analysis includes identifying, estimating and monitoring the technical feasibility and management risks. After testing the build, at the end of first iteration, the customer evaluates the software and provides feedback.

#### **Agile Model**

Agile SDLC model is a combination of iterative and incremental process models with focus on process adaptability and customer satisfaction by rapid delivery of working software product. Agile Methods break the product into small incremental builds.

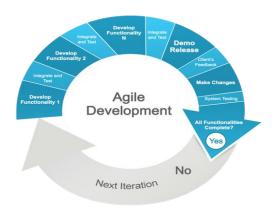


Figure 3.2.3 – Agile Model

Agile model's processes are:

- 1. Planning
- 2. Requirements Analysis
- 3. Design
- 4. Coding
- 5. Unit Testing and
- 6. Acceptance Testing

Following are the Agile Manifesto principles:

- 1. **Individuals and interactions** In Agile development, self-organization and motivation are important, as are interactions like co-location and pair programming.
- 2. **Working software** Demo working software is considered the best means of communication with the customers to understand their requirements, instead of just depending on documentation.
- 3. **Customer collaboration** Requirements cannot be gathered completely in the beginning, so continuous customer interaction is very important to get proper product requirements.
- 4. **Responding to change** Agile Development is focused on quick responses to change and continuous development.

#### 3.3 - Analysis Differentiate On Reviewed Methodologies

#### Iterative Model

Advantages	Disadvantages
Supports changing requirements	Not suitable for smaller projects
Risk analysis is better	Management complexity is more
Initial operating time is less	Very expensive if project fails
Better suited for large and time-critical	Projects progress is highly dependent upon
projects.	the risk analysis phase
Issues and challenges is identified from each	Defining increments may require definition
increment and fixed in the next increment.	of the complete system
Testing and debugging during smaller iteration is easy.	More management attention is required
Less costly to change the scope or requirements	-
Results are obtained early and periodically	-

Figure 3.3.1 – Iterative Model Comparison

#### Spiral Model

Advantages	Disadvantages
Allow extensive use of prototypes	Management will be complex
Users see the system early	Spiral can go on indefinitely
Requirements can changed anytime	End of the project will not be known early
Development is divided into smaller parts	Expensive for small projects
Requirement will be more accurate	Requires excessive documentation
-	Process is complex

Figure 3.3.2 – Spiral Model Comparison

#### Agile Model

Advantages	Disadvantages
Emphasis on modern techniques	Minimal Emphasis on documentation
Constant customer feedback	Difficult to make additions in an iteration
Allows for iterative development	-
Highly Adaptive	-

Figure 3.3.3 – Agile Model Comparison

#### 3.4 – Justify chosen methodology

The methodology that I will be using for this project is the Agile Model. First and foremost this model is able to respond to change and adapt to the needs that will be changing. In this project, the model will be able to adapt to the project supervisor's comments and guidelines as the project progresses with little to no problems at all. In addition, this model also values simplicity. In a nutshell, the agile model measures progress by working software and not documentations. This is beneficial not only to the developer but especially to the supervisor who would otherwise be forced to rely on a handful of documents to understand how the application is expected to function.

#### 3.5 - System Requirement Analysis

#### 3.5.1 - Hardware Requirement

- Processor: 1 gigahertz (GHz) or faster
- RAM: 1 gigabyte (GB) (32-bit) or 2 GB (64-bit)
- Graphics card: Microsoft DirectX 9 graphics device with WDDM driver

#### 3.5.2 - Software Requirement

- At least Windows 7, Mac OS X 10.9, Ubuntu 14.04 or Debian 8 and above
- Latest version of Firefox, Edge or Chrome

#### 3.6 - Conclusion

To summarize this chapter, I would like to state that I have chosen to go with the Agile model as it is suitable for my project as it focuses on getting the project to work instead of documentations. For web-based application the optimum requirement for this project would be a system that is capable of running a latest version of a desktop operating system and a web-browser such as Google Chrome or Mozilla Firefox. As for the next activities to be performed it would be, planning the functional and non-functional requirements as well as the system architecture of this project.

#### 4 - System Analysis, Results and Discussions

#### 4.1 – Introduction

In this chapter, the requirements of the system must be gathered and the system architecture must be planned in order to proceed into the development phase with less issues. First and foremost, the functional and non-functional requirements must be discovered before the system architecture can be planned. Functional Requirements are based upon the expected functioning of the product or system to be created. Functioning, typically is equated with system features for example, to identify a customer or calculate the amount due. Non-functional requirements refers to attributes including performance levels, security, usability, reliability, and so on.

#### 4.2 - Requirement

#### <u>4.2.1 – Functional Requirement</u>

Functional Requirement	Explanation		
The system should allow user to login or	The <b>user</b> must be able to:		
register.	i. Enter login credentials.		
	ii. Click login button and redirected to		
	their respective dashboard.		
	iii. Register as a new user with all the		
	information filled in.		
The system should allow <b>public</b> to issue a	The <b>public</b> must be able to:		
complaint online.	i. Click new complaint button.		
	ii. Fill in the complaint form and press		
	the submit button.		
The system should allow <b>public</b> to view	The <b>public</b> must be able to:		
feedback from the complaint issued.	i. View previous complaints.		
	ii. Click more button and view the status		
	and updates.		
The system should allow <b>public</b> to check and	The <b>public</b> must be able to:		
pay compounds.	i. Enter ic no and press check button.		
	ii. View all compound.		
	iii. Pay their compound.		

The system should allow staff to view	The <b>staff</b> must be able to:			
assigned complaints.	i. Go to their dashboard.			
	ii. View complaints assigned by admin.			
The system should allow staff to provide	The <b>staff</b> must be able to:			
updates to complainants.	i. Open up a complaint by pressing			
	more button.			
	ii. Enter the report and press the submit			
	button.			
The system should allow <b>staff</b> to apply leave	The <b>staff</b> must be able to:			
and view result.	i. Press the leave tracking button.			
	ii. Enter the details and press the apply			
	button.			
	iii. View the status of their application.			
The system should allow staff to receive	The <b>staff</b> must be able to:			
notice on overdue complaints.	i. Press the notice button.			
	ii. View notice from admin.			
The system should allow admin to view	The <b>admin</b> must be able to:			
complaints from public and assign it to staff.	i. Press complaint button and view all			
	complaints.			
	ii. Click details button and view a list of			
	staffs.			
	iii. Click the assign button to assign the			
	complaint to a staff.			
The system should allow admin to give	The <b>admin</b> must be able to:			
notice to staff.	i. Press the send button beside the			
	complaint number to issue a notice.			
The system should allow admin to manage	The <b>admin</b> must be able to:			
staff.	i. Press add button to add new staff.			
	ii. Press update button to update staff			
	info.			
The system should allow admin to manage	The <b>admin</b> must be able to:			
leave applications	i. View all leave applications.			
	ii. Press the approve or reject button.			

#### <u>4.2.2 – Non Functional Requirement</u>

#### **Public**

- i. Public shall not have access to the system if not logged in.
- ii. Public should not have access to the admin or staff site.
- iii. Form should not submit if there are blank fields.
- iv. Display error if login credentials are invalid.
- v. Session should be destroy when public logs out the system.
- vi. All address field in form should limited to addresses from Kuantan only.
- vii. System should have SSL certificate.
- viii. Payment must not go through if card details are incorrect.
  - ix. Display receipt and send email if a compound payment is successful.

#### Staff

- i. Staff should not log in if not added by the admin.
- ii. Staff should not have access to the system if on leave or retired.
- iii. Staff should not access the public or admin site.
- iv. System should be not be able submit the report form when any of the fields are blank.
- v. Staff should not apply leave on date which is before the current date.
- vi. Staff should not dismiss a notice without completing the associated complaint.

#### **Admin**

- i. Admin should not log in if credentials are invalid.
- ii. Admin should not assign complaints to staff that are retired or on leave.
- iii. Admin should not set the due date for a complaint lesser than the current date.
- iv. Admin should not set other priority to complaints other than low, high or urgent.
- v. Admin should not add new staff with the same username or staff id.
- vi. The add new form cannot be submitted if the fields are blank.

## 4.3 – System Architecture

### 4.3.1 – Use case diagram

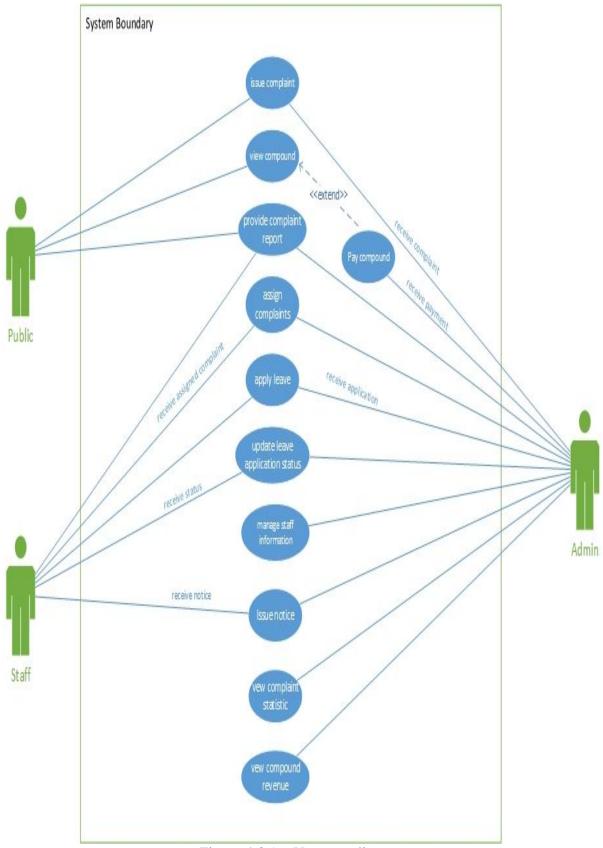


Figure 4.3.1 – Use case diagram

# 4.3.2 – Activity Diagram

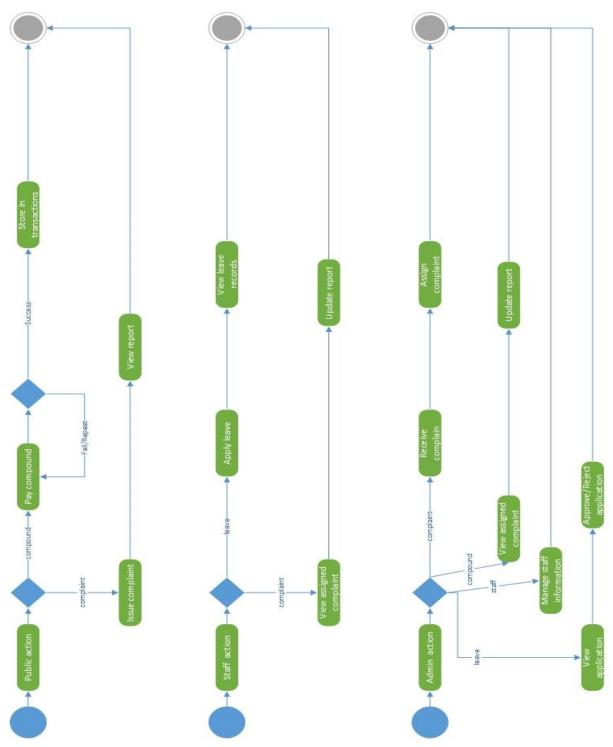


Figure 4.3.2 – Activity Diagram

# 4.3.3 - Data Flow Diagram Level 0

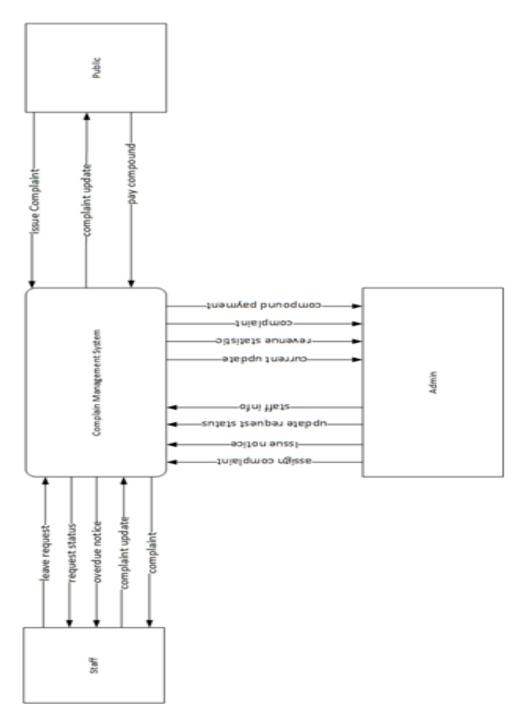


Figure 4.3.3.1 – DFD Level 0

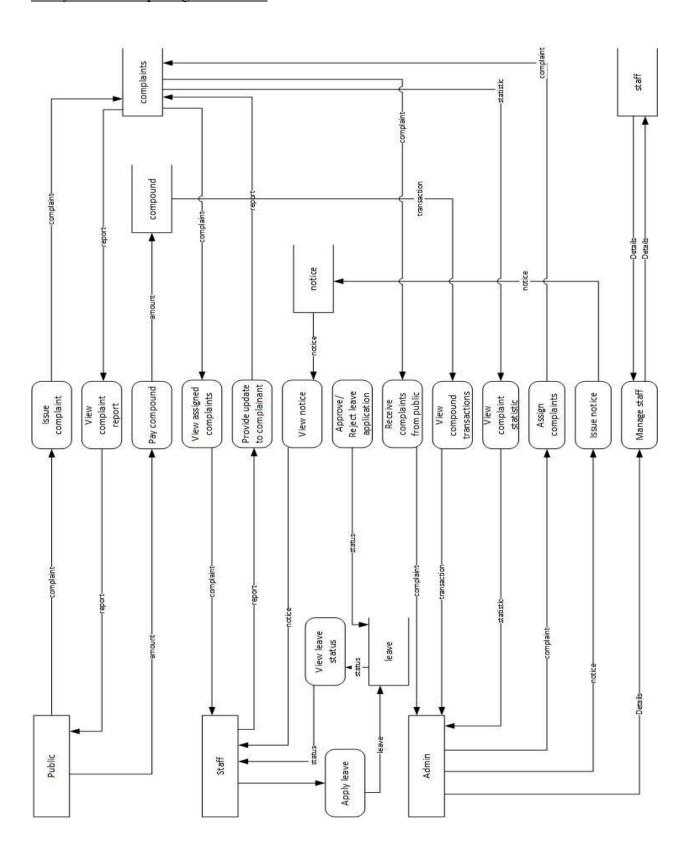


Figure 4.3.3.2 – DFD Level 1

# <u>4.3.4 – Entity Relationship Diagram</u>

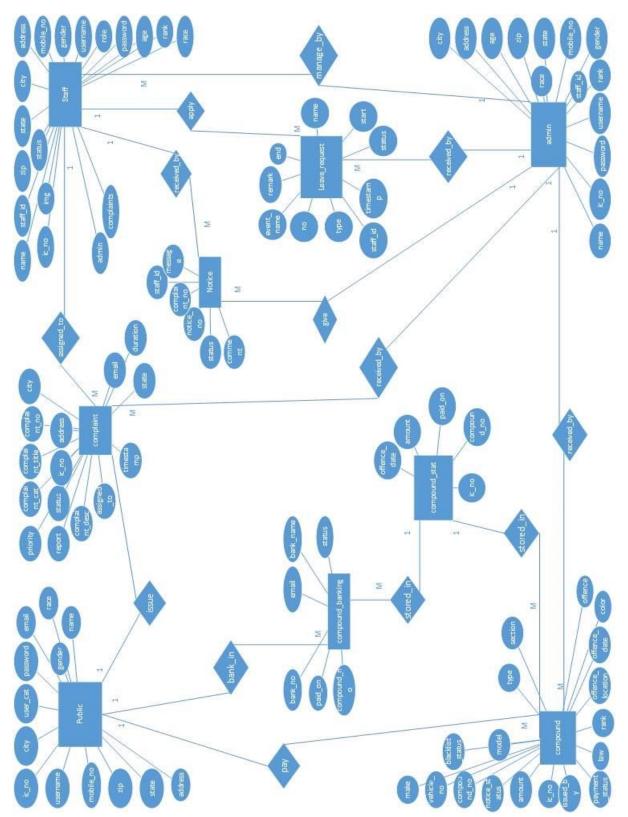


Figure 4.3.4 - ERD

## 4.4 – Unit Testing

Module: Public

No	Function	Result	Date	Remarks
1	Payment system for compound	Fail	14/12/17	Fixed after consulting Braintree
				Payment Gateway docs.
2	Issue new complaint	Success	14/12/17	N/A
3	Update profile	Success	14/12/17	N/A
4	View complaint history	Success	14/12/17	N/A

Module: Staff

No	Function	Result	Date	Remarks
1	View complaint by priority	Success	15/12/17	N/A
2	Leave application	Success	15/12/17	N/A
3	Get location QR code	Success	15/12/17	N/A
4	View notice from admin	Success	15/12/17	N/A
5	Send report and change status	Success	15/12/17	N/A

Module: Admin

No	Function	Result	Date	Remarks
1	Display new complaint	Success	16/12/17	N/A
2	Complaint Sorting	Success	16/12/17	N/A
3	Approve compound transactions	Success	16/12/17	N/A
4	Send notice to staff	Success	16/12/17	N/A
5	Display charts based on complaint	Fail	16/12/17	Fixed after consulting
	received and compound transactions			Google Chats API docs.
6	Upload new staff picture	Success	17/12/17	N/A
7	Add new staff form validation	Success	17/12/17	N/A
8	Update staff rank	Success	17/12/17	N/A
9	Restrict staff access to system	Fail	17/12/17	Fixed error in SQL
				statement.
10	Approve leave applications	Success	17/12/17	N/A
11	Assigning complaints	Success	17/12/17	N/A

#### 4.5 – Conclusion

As a conclusion to this chapter, I would like to report that the gathering of the system's functional and non-functional requirements have collected successfully without any problem. The system's architecture, however, have gone through several changes and evolves as requirements changes to adapt to certain situations and due to feedback from the project supervisor and project coordinator. As for the system, it has also gone through a variety of small scale changes and its finally ready and clear from all the errors that been discovered during the testing phase. For the next chapter, I will go through some of the limitations of the system and what else can be done to further refine and improve the system to keep the system running from any sort of errors.

#### **5 - CONCLUSION**

#### 5.1 - Concluding Remarks

To begin, I would like to point that the construction phase of this project went very well. This is mainly due to the requirements of the system are very well defined and there is no any conflict between the requirements and the system architecture. The system is planned well with the help of my project coordinator, Ms. Azira, who constantly provides constructive feedback on how the entity relationship diagram and the data flow diagrams should be drawn in order to match my project requirements. She is also always available so any errors or enquiry regarding the project can be quickly fixed, which saved me a lot of time. To make my work flow easier I've separated my project into three module which are public, staff and admin. I have started developing the front end of the system first, so that the business logic that I will code can be tested immediately. Finally, I have also spent my time equally on both the front end and the back end of the project thus making the system perform as expected without any bugs while looking presentable doing it.

#### 5.2 – Contribution

This system have successfully serve all its users' needs and on top of that it has met all the project requirements. In a nutshell, I would say that this project have successfully contributed to all its users. For the public, they can now pay their compounds online reliably with little to no processing time and issue complaints that will surely be received by the administrator. Then, the public can also view their previous complaints and find the progress report there which reassures the public that their complaints will be taken seriously and be solved swiftly. As for the staff, they are experiencing low workload due to the complaints being assigned equally. Other than that, sending progress report to the public is also easier than ever. Then, they can also apply leave online, and when they are on leave the system will not allow the administrator to assign the complaint to them thus equally balancing the workload in every aspect. As for the administrator, the system offers powerful feature to ease up the administrator's job in managing the staff including their leave application and making approving compound transactions hassle free. On top of that, the administrator will also receive complaints without fail and can easily send notice to employee that are not meeting the due date of their assigned complaints.

#### 5.3 - Limitation of the System

The system does meet all the project requirements but there are still some limitations in this system.

- The staff can only take leave based on the number days but not in hours.
- The will be no QR code displayed if the address provided is not accurate.
- The system only supports the operation of a single unit in the whole law and enforcement division.
- The system can't support the payment of assessment tax online.

#### 5.4 - Suggestion of Future Work

Based on the limitations list provided above, more work can be done to further refine the system and enhance its capabilities.

- For example, making the system larger so that it could support the work flow of the entire municipal council.
- Refining the results of google maps API function call to get the best possible location lock and displaying the QR code.
- Integrating assessment tax payment.
- Expand the leave application feature so that the staff could take leave for half a day.

#### **5.5** – **Summary**

As a conclusion, I have gained a lot experience and knowledge while doing the project. I have also learnt how important requirements are and how big of an impact they have on a project. For this project I have successfully met all the objectives that are defined in chapter 1 as well which are:

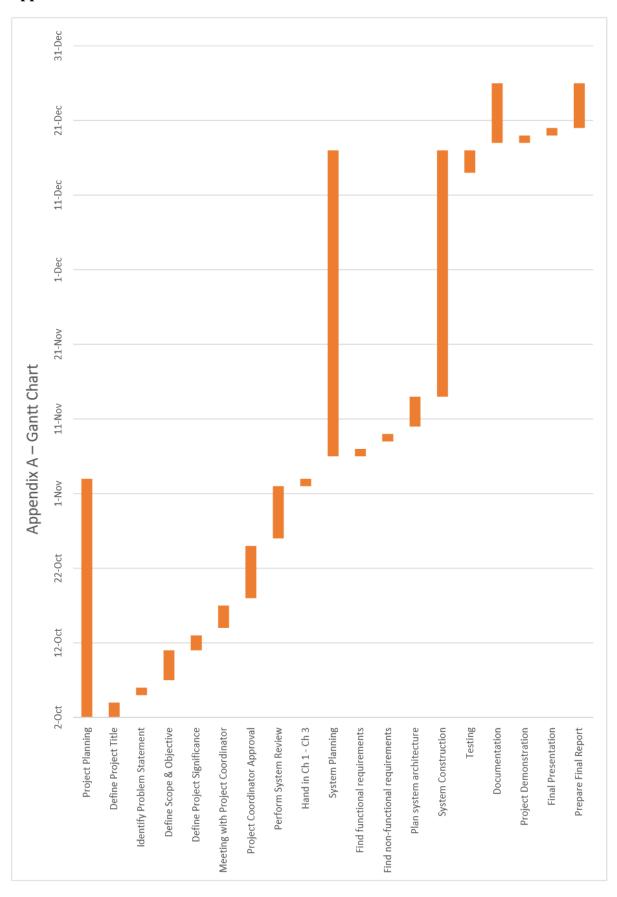
- i. To develop a system that enables the public to issue a complaint and pay their compound payments online.
  - a. This is successfully implemented by using a straight forward form for the public to issue their complaint and the usage the Braintree payment gateway to receive compound payment securely.

- ii. To develop a system that enables the staff to receive complaint from the administrator and respond to the complainant easily.
  - a. This was implemented by providing a dashboard which puts the complaints received in the spotlight. The complaint was categorized according to the priority and a form was provided for staff to submit their progress report easily.
- iii. To develop a system that enables the administrator to accept and assign complaints, manage the staff and compound payment easily.
  - a. This was implemented by helping the administrator to assign complaints equally by hiding employee that are on leave and displaying the number of complaints that the staff are handling.
  - b. An interface was also provided for the administrator to approve transactions and to add new staff, remove staff or update the staff info.

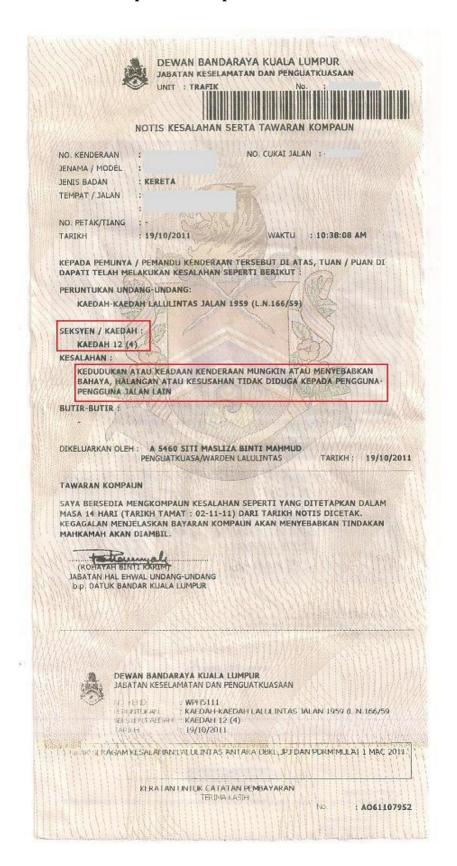
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### Appendix A – Gantt Chart

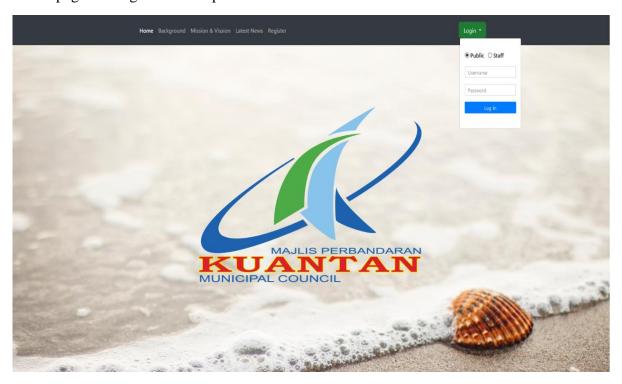


#### Appendix D - Real Time Compound Example

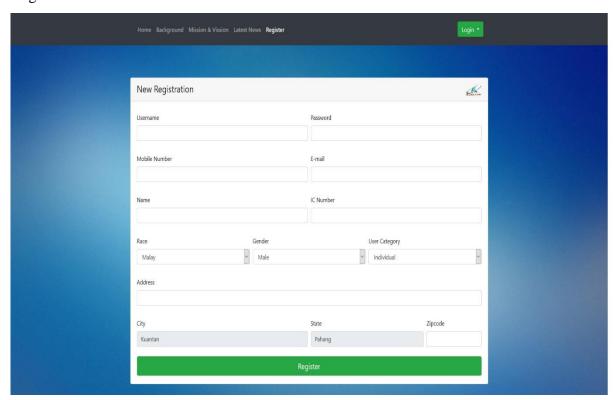


### Appendix E – User Interface

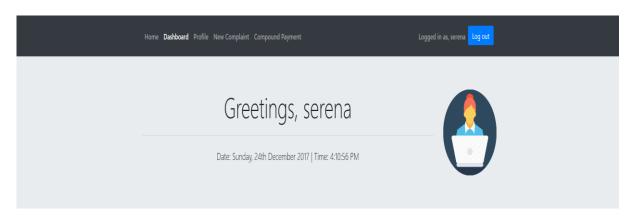
Homepage and login form for public and staff



### Register form for new user



### Public Dashboard



# Complaint Status

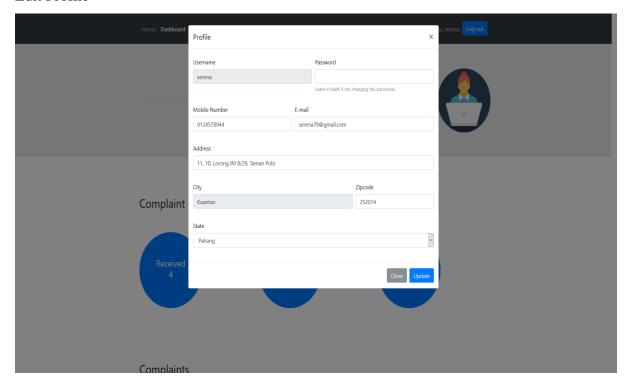


### Complaints

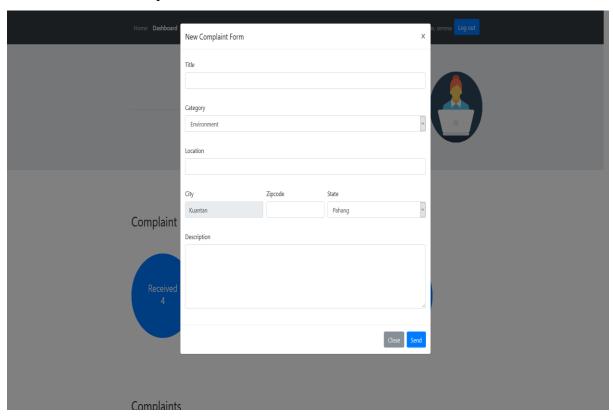
#	Title	Category	Timestamp	Status	View
1	Barking Disturbance	Disturbance	2017-12-19 03:02:06	Received	View
2	Bad Road	Environment	2017-12-19 02:56:45	Received	View
3	Leftover Building Material	Premise	2017-12-19 02:49:33	Received	View
4	Air Pollution	Environment	2017-12-19 02:44:31	Received	View
5	Abandoned Flags	Others	2017-12-18 07:44:12	In progress	View
6	Damaged Playground Equipment	Vandalisme	2017-12-11 08:08:33	In progress	View
7	Open Burning	Environment	2017-12-11 03:27:08	In progress	View
8	Road	Damaged Roads	2017-12-07 22:38:34	Solved	View
9	Vandalisme	Poster Installation	2017-12-01 10:18:25	Solved	View

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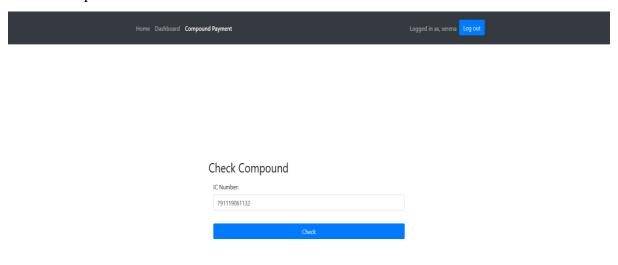
### Edit Profile



### Form to issue new complaint

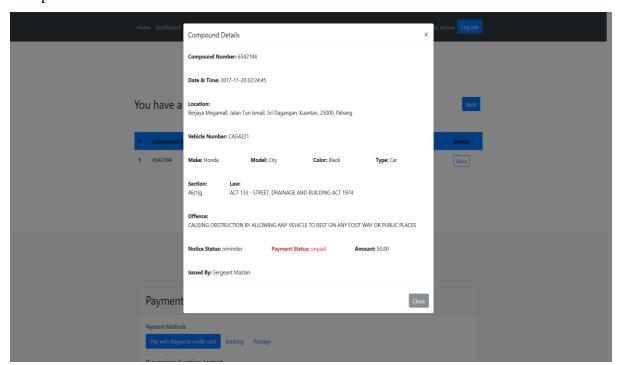


### Check Compound

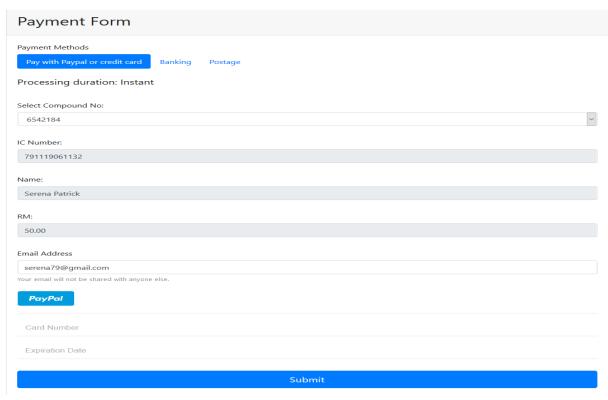


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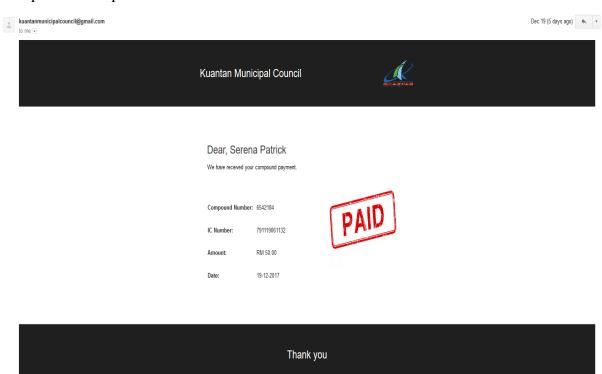
### Compound Details



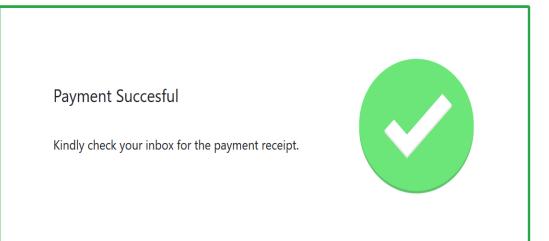
### **Compound Payment Options**



#### Compound Receipt



## Compound Paid Success



Back

Print Invoice

### Invoice

Serena Patrick

791119061132

serena79@gmail.com



#### Recipient

Kuantan Municipal Council

Compound #	6542184
Date	24-12-2017
Amount Due	RM 50.00

Amount Paid

No	Description	Amount	
1	Payment for compound number: 6542184	RM 50.00	
		Total	RM 50.00

RM 50.00

#### Staff Dashboard







#### **Urgent Complaints**



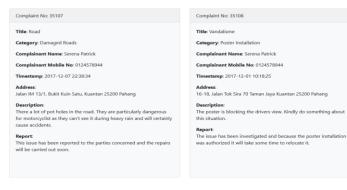
#### **High Priority Complaints**

Nothing to show

#### Low Priority Complaints

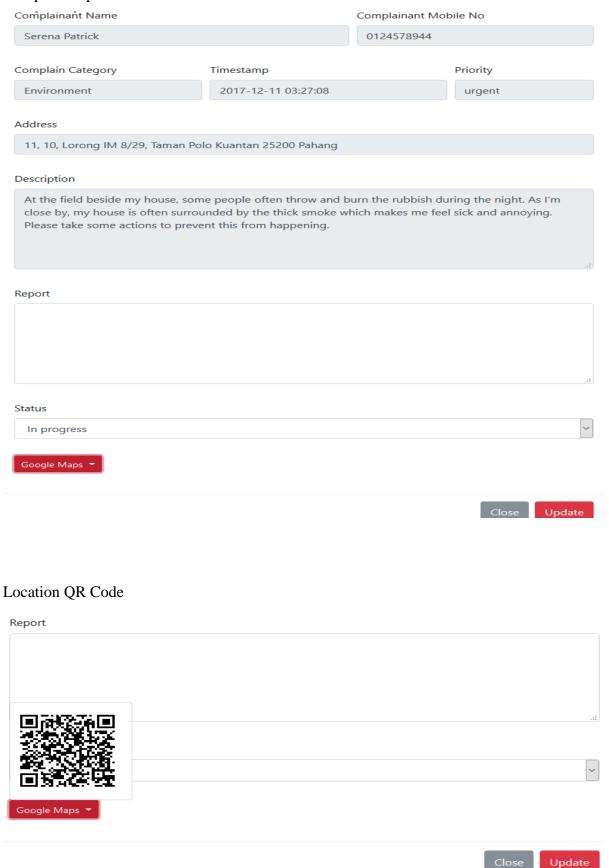


#### **Solved Complaints**



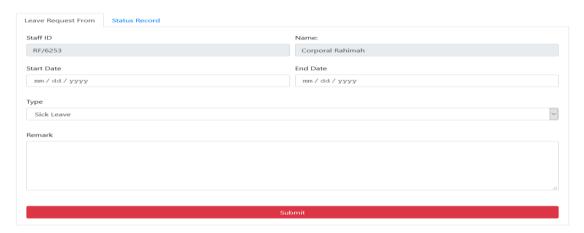
1

#### Complaint Update Form



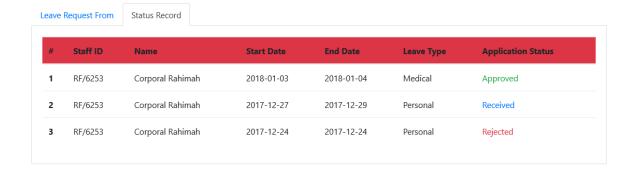
#### Leave Form

#### Leave Tracking



#### Leave Record

# Leave Tracking



#### Notice

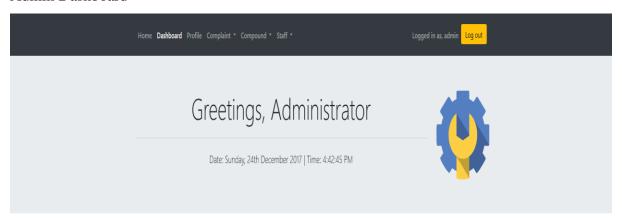


### Notice

Complaint No: 35109
Kindly solve this complaint as soon as possible.

Please do not hesitate to consult me if you are facing any difficulties in solving this complaint.

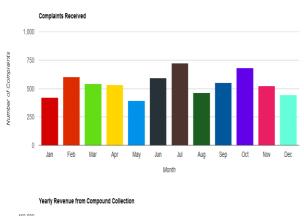
### Admin Dashboard

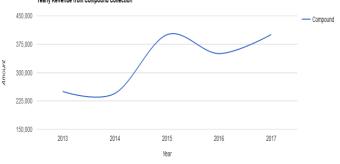


### **Current Updates**



#### Statistics

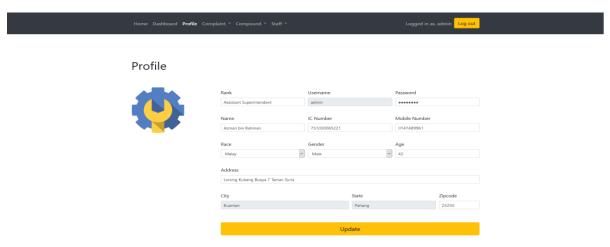




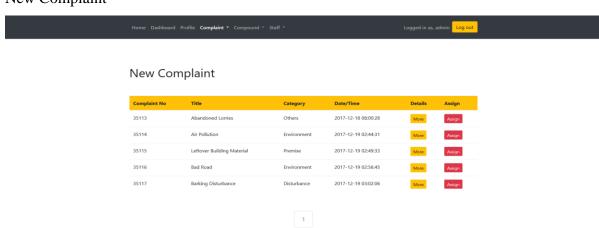
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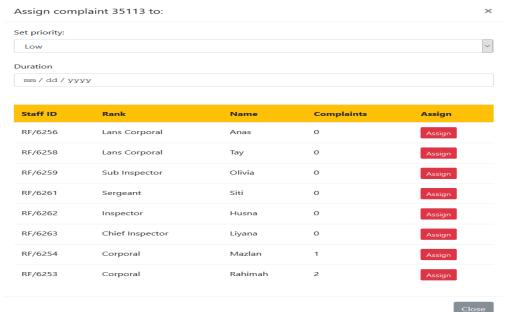
#### Admin Profile



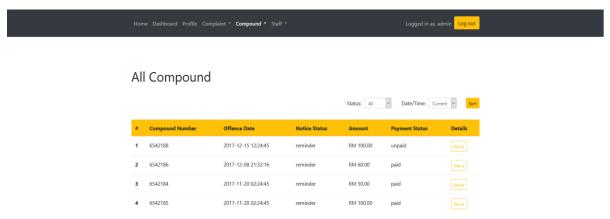
#### New Complaint



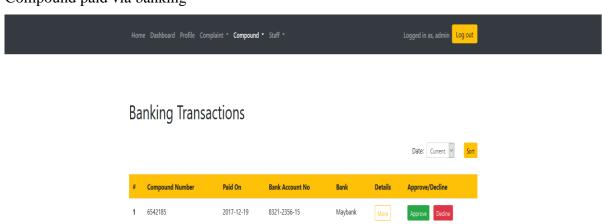
### Assign Complaint



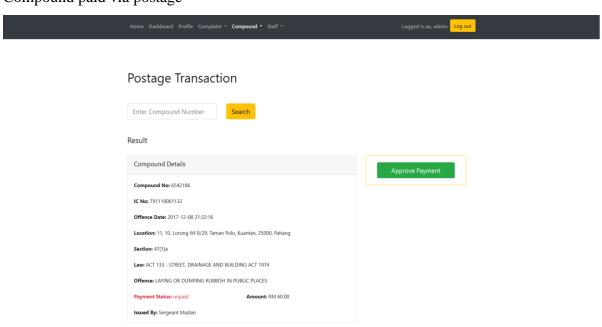
### All Compound



### Compound paid via banking

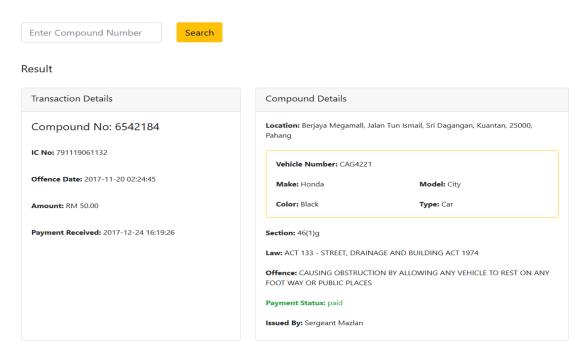


### Compound paid via postage



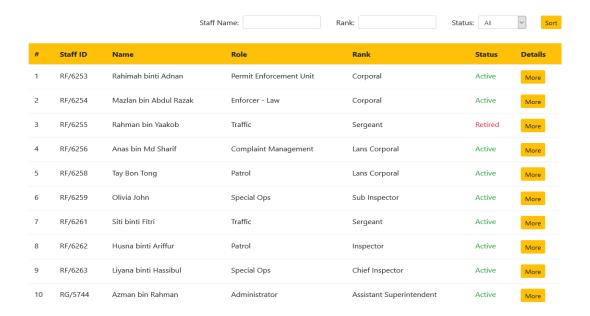
#### **Transaction History**

### Transaction History



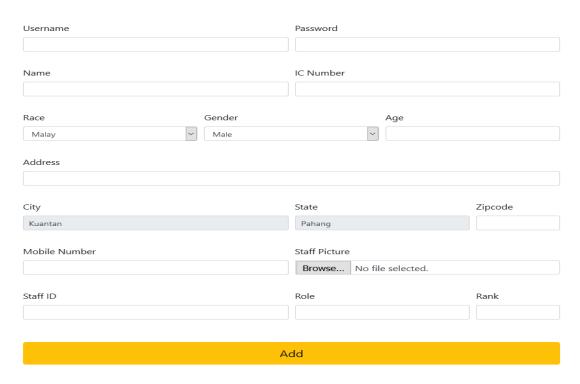
#### All Staff

#### All Staff

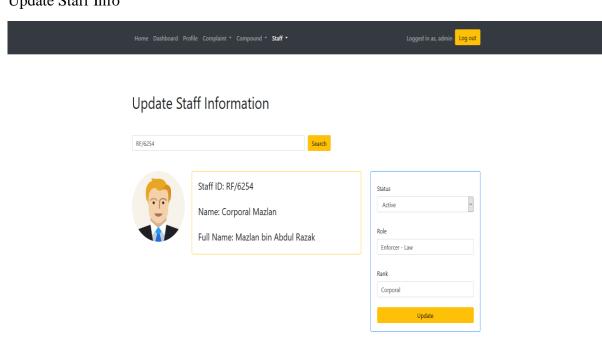


### Add Staff Form

### Add New Staff



### Update Staff Info



### Search Leave

# Leave Tracking



RF/6253

Search

#	Staff ID	Name	Start Date	End Date	Leave Type	Remark	Application Status	Cancel
1	RF/6253	Corporal Rahimah	2018-01-03	2018-01-04	Medical	N/A	Approved	Cancel
2	RF/6253	Corporal Rahimah	2017-12-27	2017-12-29	Personal	N/A	Received	N/A
3	RF/6253	Corporal Rahimah	2017-12-24	2017-12-24	Personal	N/A	Rejected	N/A

# All Leave Application

# Leave Tracking

Search Application All Application

#### Received

#	Staff ID	Name	Start Date	End Date	Leave Type	Remark	Application Status	Approve/Reject
1	RF/6253	Corporal Rahimah	2017-12-27	2017-12-29	Personal	N/A	Received	Approve Reject

### Rejected

#	Staff ID	Name	Start Date	End Date	Leave Type	Remark	Application Status
1	RF/6253	Corporal Rahimah	2017-12-24	2017-12-24	Personal	N/A	Rejected

### Approved

#	Staff ID	Name	Start Date	End Date	Leave Type	Remark	Application Status
1	RF/6253	Corporal Rahimah	2018-01-03	2018-01-04	Medical	N/A	Approved