



# Online payment method of assessment taxpayers for Sri Lanka

Group Project  
IS2106

Group Name : **The Squad**

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**Evaluation**

<b>Name</b>	<b>Date</b>	<b>Changes</b>	<b>Version</b>
Requirement gathering	2024/04/25	Gathering software requirements specifications	1
System analysis	2024/04/29	Deep analysis with diagrams.	2
UI/UX Design			3

# **Online method of identification and payment of assessment taxpayers for Sri Lanka**

## **1. Introduction**

The Divisional Council of Sri Lanka aims to establish an online system for the public to accurately identify their tax assessment and pay taxes easily. This gives the taxpayers the ability to know their tax assessment confidentially and to be able to easily pay the tax from any place at any time. This report shows the requirements for creating such a system.

### **1.2 What are the issues in the physical system?**

There are many problematic situations to be faced while collecting the assessment tax physically. Errors in manual data entry are one example of this. Due to these errors, many problems arise in wrong tax assessments and payment processes.

Time consumption is another issue in the physical system. A lot of time has to be spent in vain due to filling up forms while going to pay the assessment tax. Security risks, lack of transparency, inefficient payment process, and limited accessibility are some issues in the physical system of identification and payment of assessment taxpayers for Sri Lanka.

## **2. Requirements gathering**

Gathering requirements for the online method of identification and payment of assessment taxpayers for Sri Lanka involves understanding the needs and expectations of various stakeholders including taxpayers, divisional council, and financial institutions.

### **2.1. Functional requirements**

- User Registration
- Update and manage the user's profile
- Provide taxpayers with access to their assessment forms online
- Provide multiple payment methods for payers
- Implement security measures to protect user data
- Design user-friendly platforms

## **2.2. Non-functional requirements**

- The system provides strong security steps for the personal information of taxpayers against cyberattacks, unauthorized access, and data breaches.
- The system is always in working order (available at any time).
- The system can be accessed by everyone including those who have disabilities and those who haven't much knowledge of technology.
- It has been created to connect with common devices and web browsers which are usually used among people.
- The system has an integrated connection with government systems to ensure the accuracy of identifying and payment processes.
- The system maintains the confidentiality of sensitive information of taxpayers.

## **2.3. Legal and regulatory requirements**

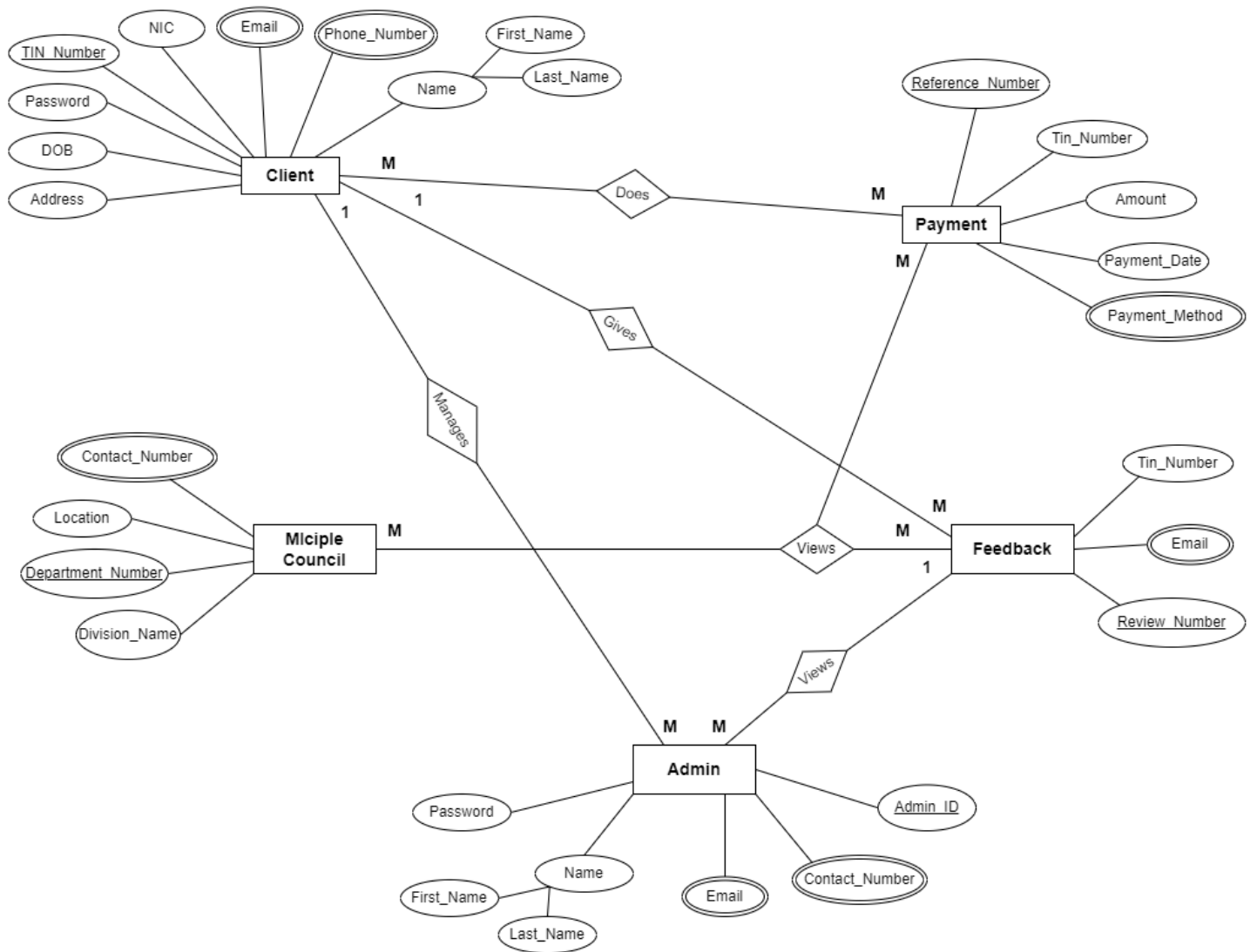
- Consistent with Sri Lankan tax laws and data privacy.
- Consistent with international standards and best usage to ensure data protection.

## **2.4. Technological requirements**

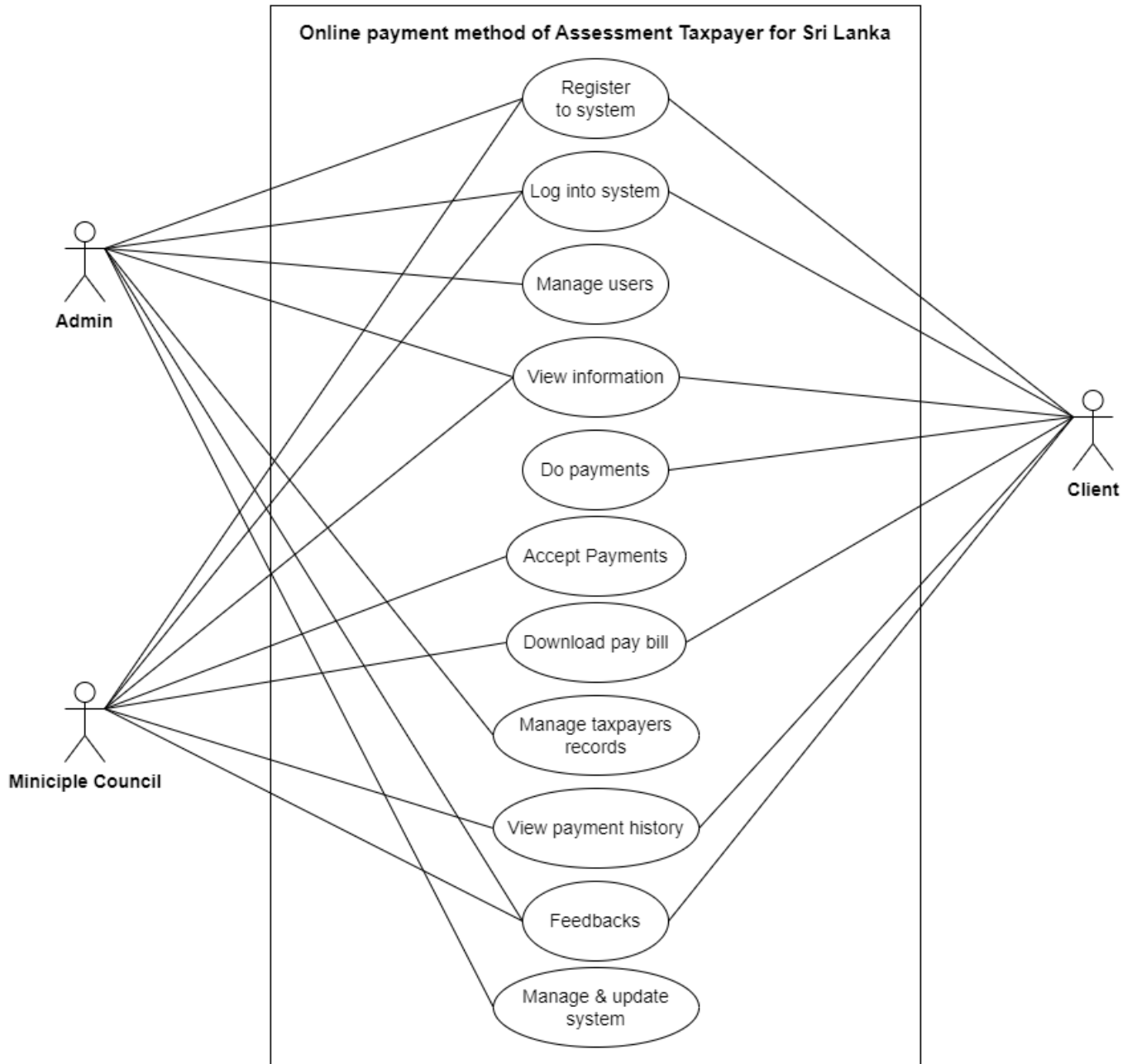
- Appropriate software platforms, hardware, and programming languages. Capability to integrate with IT infrastructure and databases.

### 3. System Analysis

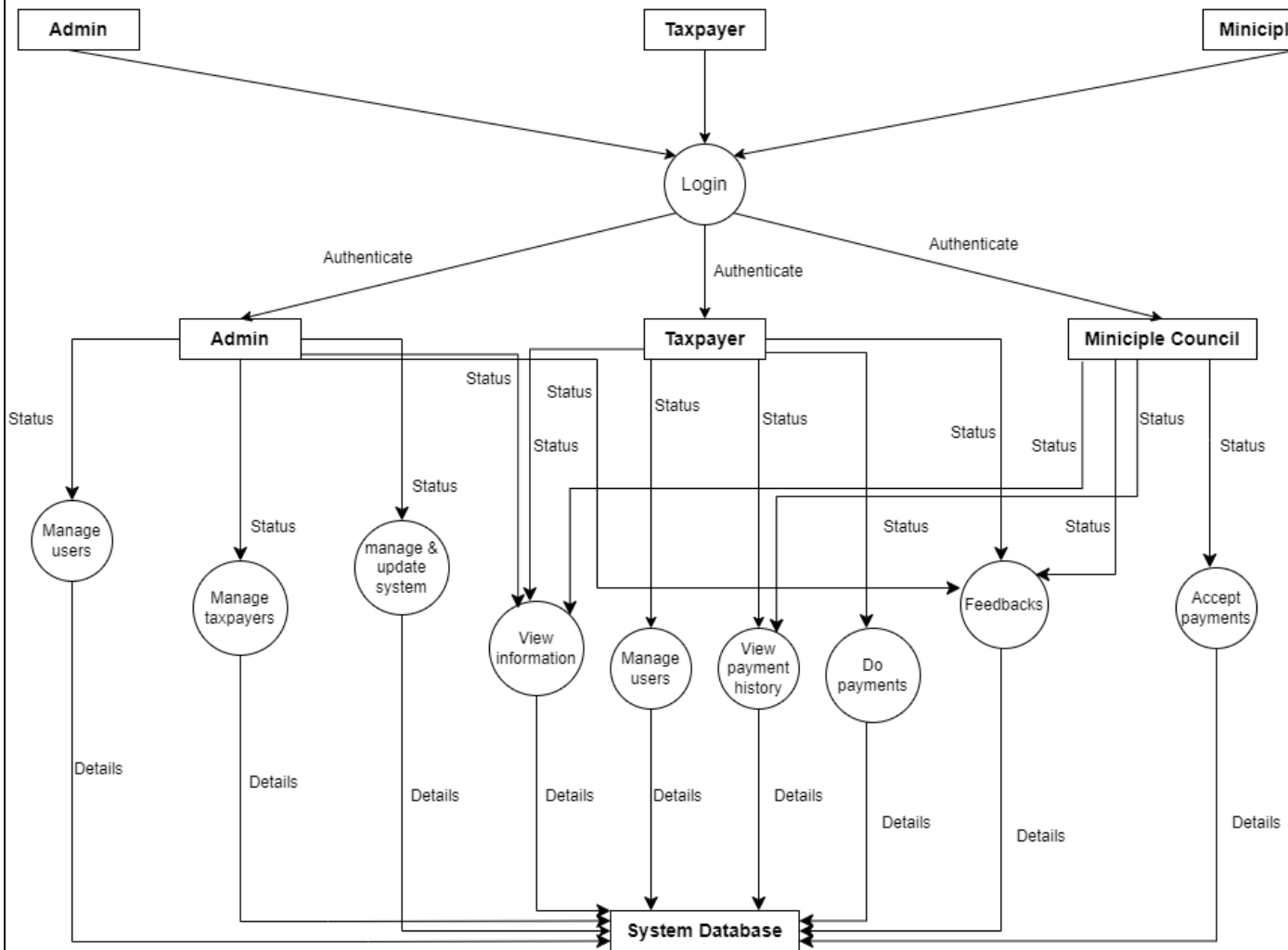
#### 3.1. ER Diagram (Entity Relationship Diagram)



### 3.2. Use Case Diagram



### 3.3. Data Flaw Diagram





## 4. UI/UX Design

### 4.1. Desktop Page



## 4.2. Home Page

<a href="#">Home</a>	<a href="#">Map</a>	<a href="#">Circulars</a>	<a href="#">Online Payments</a>	<a href="#">Contact Us</a>	<a href="#">Back</a>
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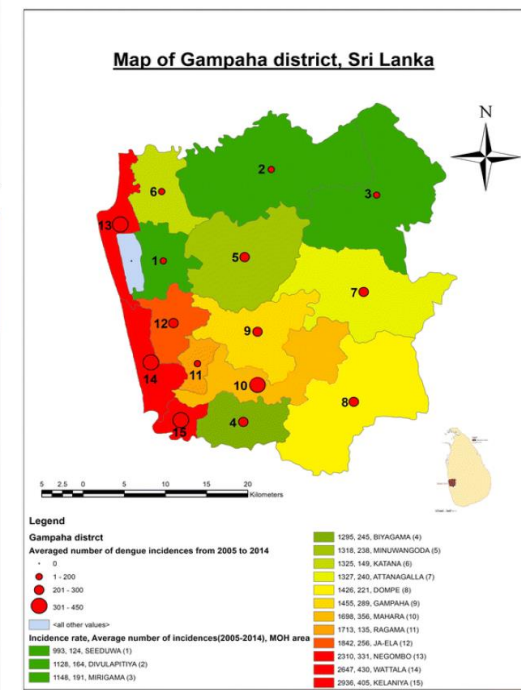
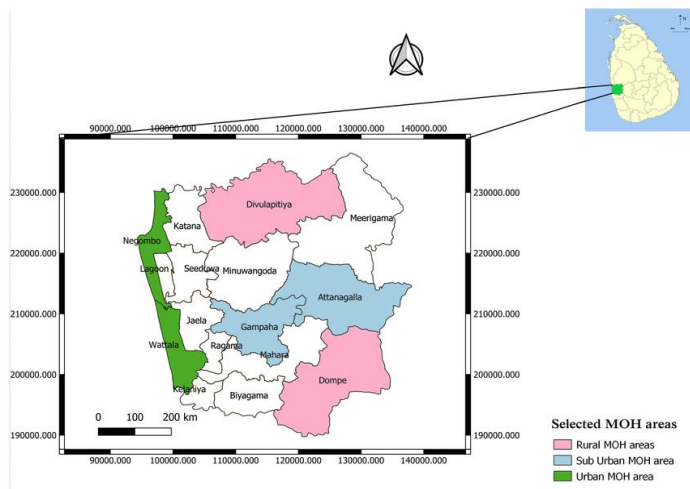
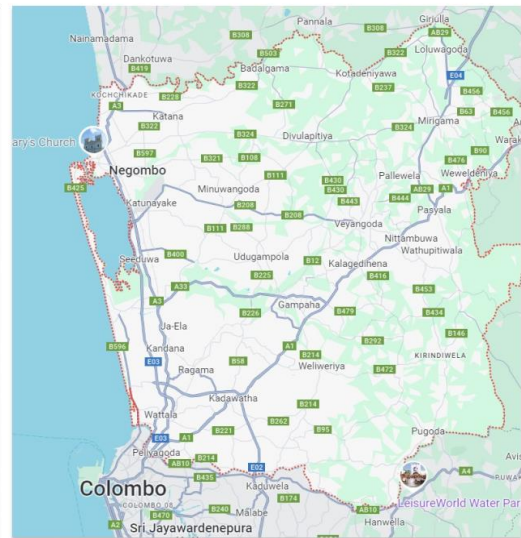
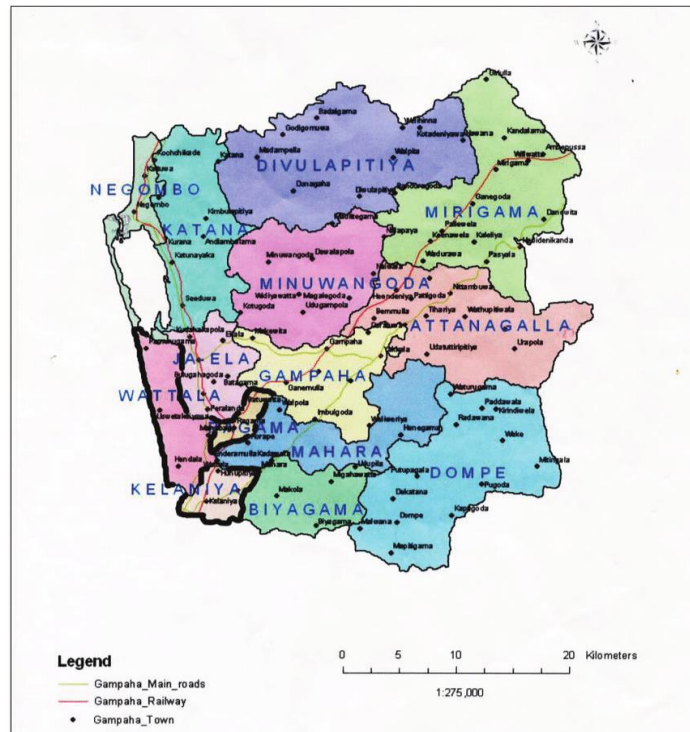
THE CITY COUNCIL		
Population by Grama Niladhari division		
Division Name	Number	Population
Pahalagama	222	1446
Madagama 1	223	228
Madagama 2	223/A	3119
Madagama 3	223/B	1322
Madagama 4	223/C	1808
Ihalagama West	224	1960
Ihalagama East	224/A	2013
Gampaha Aluthgama West	225	2342
Gampaha Aluthgama North	225/A	1965
Gampaha Aluthgama East	225/B	3690
Idigolla	225/C	1657
Baduvatugoda	226	1156
Karanayakamulla	226/A	748
Keselwatugoda	227	2883
Keselwatugoda South	227/A	1155
Boraliyawatha	228	1049
Tiththalapithigoda	228/A	1174
Aluthgama Bogamuwa North	229	3897
Aluthgama Bogamuwa South	229/A	1918
Mahipalagoda	230	1582
Moranna	230/A	1280
Vidiyawatta	230/B	1391
Galthotamulla	230/C	1225
Yakkala North	231	3487
Yakkala West	231/A	2176
Papolgahadeniya	231/B	2118
Yakkala South	231/C	1880
Yakkala East	231/D	1275
Henarathgoda	232	2978
Bandiyamulla North	234	1290
Bandiyamulla East	234/A	1864
Bandiyamulla West	234/B	2712
Kidagammulla	234/C	2009
<b>Total</b>		<b>62797</b>

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## 4.3. Map

[Home](#)[Map](#)[Circulars](#)[Online Payments](#)[Contact Us](#)[Back](#)**ADMINISTRATIVE AREAS OF THE GAMPAHA MUNICIPAL COUNCIL****GO & VISIT TO GAMPAHA****Map of Gampaha**

## 4.4. Circulars

Home Map Circulars Online Payments Contact Us Back

### Annual Performance Report

#### List of Annual Performance Reports

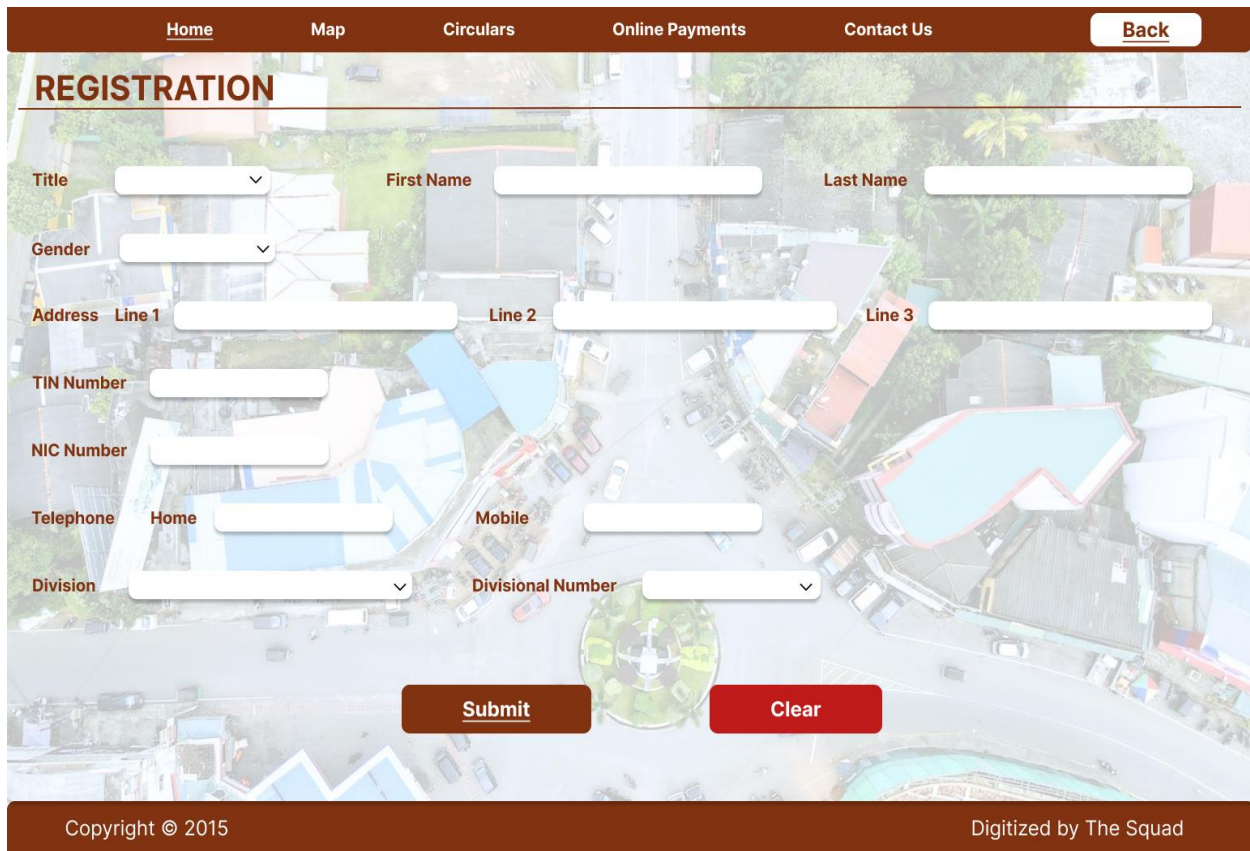
<a href="#">Performance Report 2022</a>
<a href="#">Performance Report 2021</a>
<a href="#">Performance Report 2020</a>
<a href="#">Performance Report 2019</a>
<a href="#">Performance Report 2018</a>
<a href="#">Performance Report 2017</a>
<a href="#">Performance Report 2016</a>
<a href="#">Performance Report 2015</a>
<a href="#">Performance Report 2014</a>
<a href="#">Performance Report 2013</a>
<a href="#">Performance Report 2012</a>
<a href="#">Performance Report 2011</a>
<a href="#">Performance Report 2010</a>
<a href="#">Performance Report 2009</a>

#### Taxpayer Charter

<a href="#">Taxpayer Charter</a>
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## 4.5. Registration



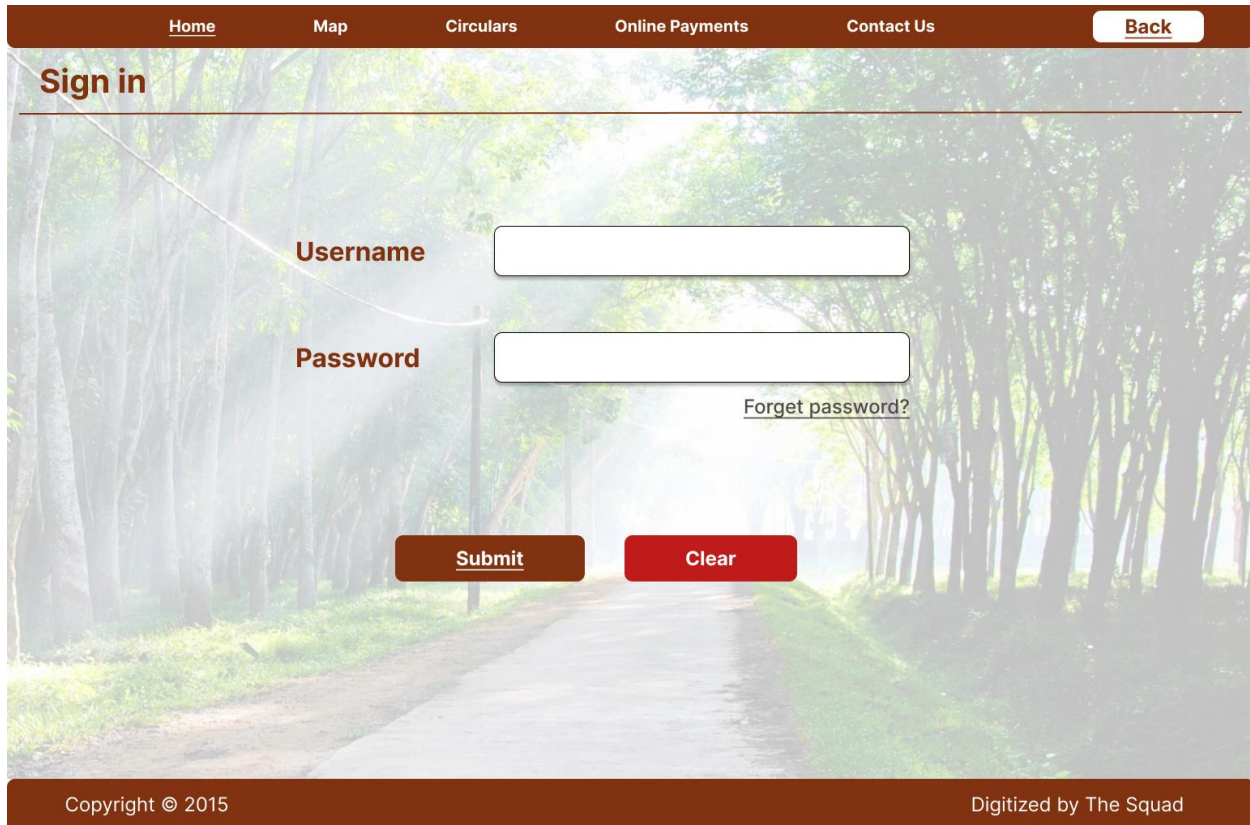
The registration form is overlaid on an aerial map of a residential area. It includes a navigation bar at the top with links to Home, Map, Circulars, Online Payments, Contact Us, and a Back button. The form fields are as follows:

- Title**: A dropdown menu.
- First Name**: A text input field.
- Last Name**: A text input field.
- Gender**: A dropdown menu.
- Address**: Three text input fields labeled Line 1, Line 2, and Line 3.
- TIN Number**: A text input field.
- NIC Number**: A text input field.
- Telephone**: Two text input fields labeled Home and Mobile.
- Division**: A dropdown menu.
- Divisional Number**: A dropdown menu.

At the bottom of the form are two buttons: **Submit** (dark blue) and **Clear** (red). The footer contains the text "Copyright © 2015" on the left and "Digitized by The Squad" on the right.



## 4.6. Sign In



The sign-in form is overlaid on a background image of a paved path lined with trees. The form includes a navigation bar at the top with links to Home, Map, Circulars, Online Payments, Contact Us, and a Back button. The sign-in section has a title, input fields for Username and Password, a Forgot password? link, and Submit and Clear buttons. The footer contains copyright and digitization information.

Home Map Circulars Online Payments Contact Us [Back](#)

### Sign in

Username

Password

[Forgot password?](#)

[Submit](#) [Clear](#)

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## 4.7. Forget Password

[Home](#) [Map](#) [Circulars](#) [Online Payments](#) [Contact Us](#) [Back](#)

### Forget Password?

Username

New Password

Re-enter New Password

Submit

Clear

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## 4.8. Online Payment

[Home](#) [Map](#) [Circulars](#) [Online Payments](#) [Contact Us](#) [Back](#)

**Payment**



The banner features a blue background with a subtle image of a person standing on top of three wooden blocks labeled 'T', 'A', and 'X'. The blocks are resting on stacks of coins. The text 'Self Assessment Tax' is displayed in large, bold, white letters on dark blue rectangular backgrounds. A button with the text 'Make a Payment' is located at the bottom right of the banner.

**Self  
Assessment  
Tax**

**Make a Payment**




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## 4.9. Make a Payment

[Home](#) [Map](#) [Circulars](#) [Online Payments](#) [Contact Us](#) [Back](#)

### Edit Payment Method



**Card Holder's Name**


**Card Number**

**Expire** **CVC**


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## 4.10. Contact Us


[Home](#) [Map](#) [Circulars](#) [Online Payments](#) [Contact Us](#) [Back](#)




### CONTACT US



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Gampaha



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Deputy Municipal Commissioner	dmcadmin@gampaha.mc.gov.lk
Municipal Secretary	secretary@colombo.mc.gov.lk
Municipal Treasurer	treasurer@colombo.mc.gov.lk
Chief Medical Officer of Health	cmoh@colombo.mc.gov.lk
Chief Municipal Veterinary Surgeon	cmvs@colombo.mc.gov.lk
Municipal Assessor	assessor@colombo.mc.gov.lk
Chief Librarian	clibrarian@colombo.mc.gov.lk
Director Playground & Recreation Department	dirprd@colombo.mc.gov.lk

### **4.11. Figma Link**

[https://www.figma.com/file/Z4LhWFyv7jcqEgBB59s0G3/Group\\_Project?type=design&node-id=0-1&mode=design&t=q07LMgZcbl4cqt4N-0](https://www.figma.com/file/Z4LhWFyv7jcqEgBB59s0G3/Group_Project?type=design&node-id=0-1&mode=design&t=q07LMgZcbl4cqt4N-0)