Online payment method of assessment taxpayers for Sri Lanka

Group Project
IS2106
Group Name : The Squad

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Evaluation

Name	Date	Changes	Version
Requirement gathering	2024/04/25	Gathering software requirements specifications	1
System analysis	2024/04/29	Deeply analysis with diagrams.	2

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.

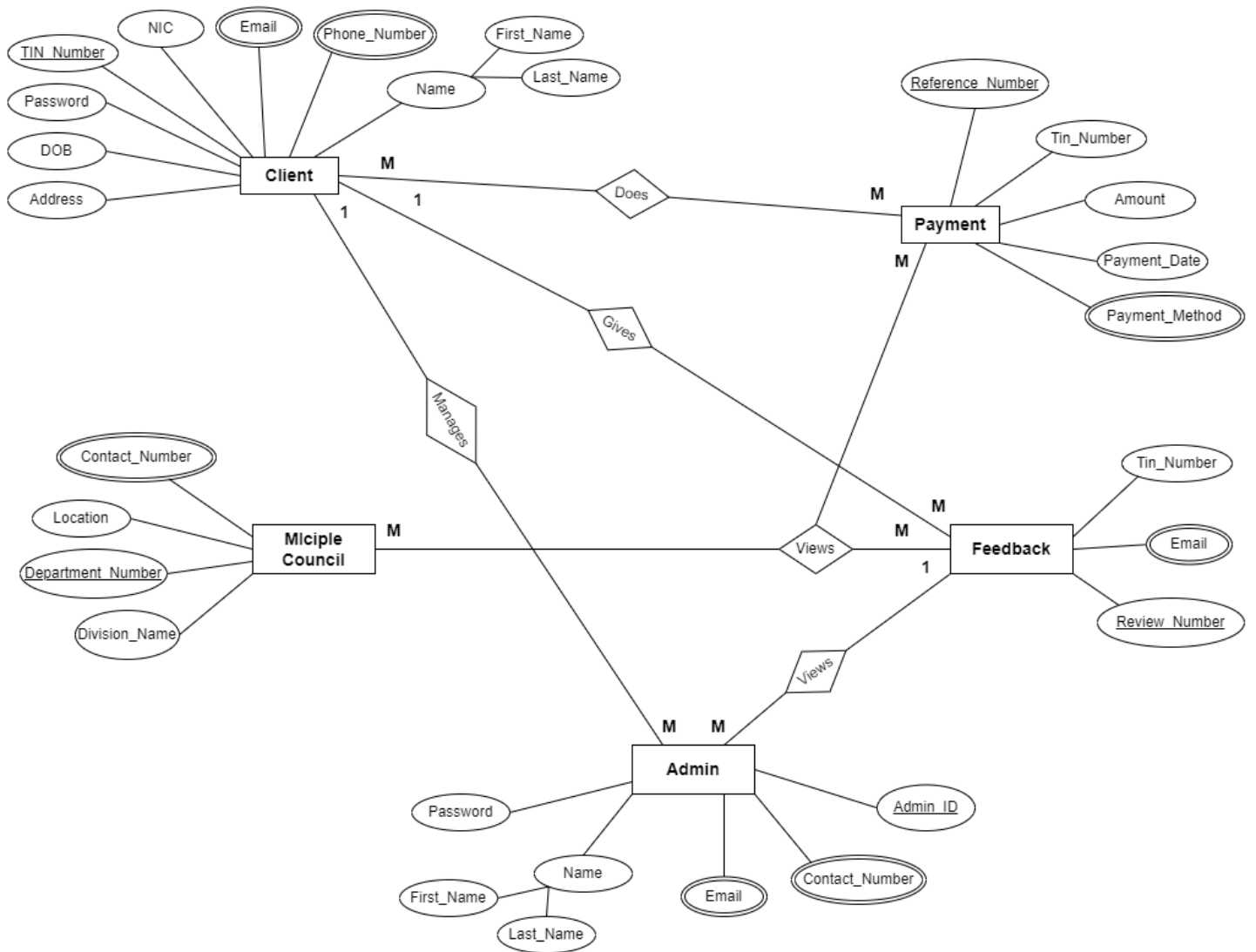## 2.3. Legal and regulatory requirements

> ➢ Consistent with Sri Lankan tax laws and data privacy.
> ➢ Consistent with international standards and best usage to ensure data protection.
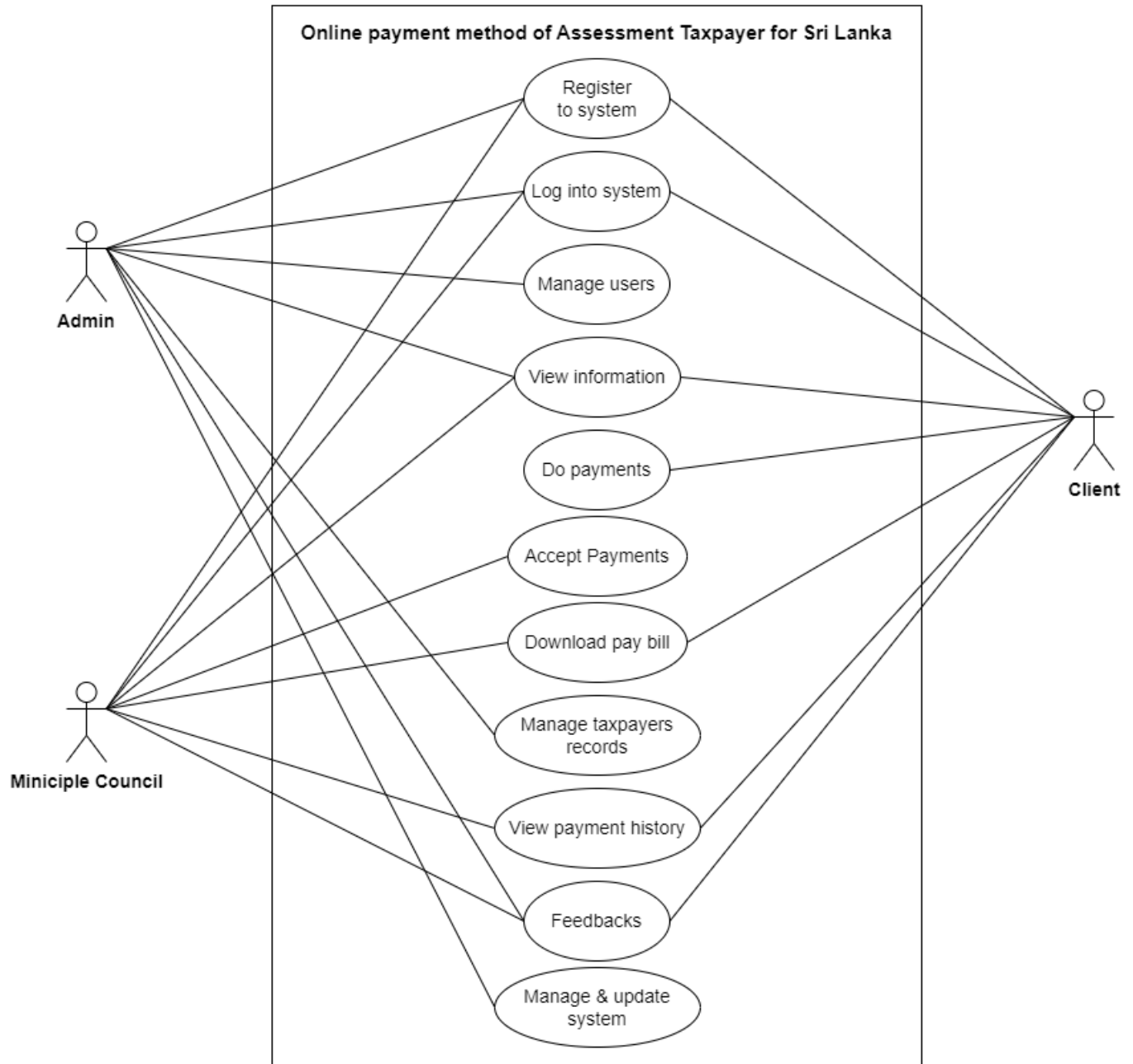
2.4. Technological requirements

> ➢ 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

Online payment method of Assessment Taxpayer for Sri Lanka

Actors: Admin, Miniciple Council, Client

Use cases:
- Register to system
- Log into system
- Manage users
- View information
- Do payments
- Accept Payments
- Download pay bill
- Manage taxpayers records
- View payment history
- Feedbacks
- Manage & update system

3.3. Data Flaw Diagram