

# **MINI PROJECT – IS2106**

## **Software Requirements Specification**

**(SRS - version 2.0)**

**for**

## **Modernizing Monthly Allowance**

## **Disbursement System**

**Prepared by:**

**FISTEX team (Group 18)**

**Department of Computing & Information Systems**

**Faculty of Computing**

**Sabaragamuwa University of Sri Lanka**

## Team Members

| Index No  | Name With Initials | Email                           |
|-----------|--------------------|---------------------------------|
| 21CIS0064 | W.A.S.Malshan      | wasmalshan@std.foc.sab.ac.lk    |
| 21CIS0125 | A.M.S.Sulakshani   | amssulakshani@std.foc.sab.ac.lk |
| 21CIS0063 | M.R.S.Lakshan      | mrslakshan@std.foc.sab.ac.lk    |

# Contents

|                                      |          |
|--------------------------------------|----------|
| <b>1.0 Introduction .....</b>        | <b>4</b> |
| 1.1 Proposal Overview .....          | 4        |
| 1.2 Scope.....                       | 4        |
| 1.3 Existing system.....             | 4        |
| 1.4 Functional requirements .....    | 5        |
| 1.5 Non-Functional Requirements..... | 5        |
| <b>2.0 System Analysis.....</b>      | <b>5</b> |
| 2.1 ER Diagram .....                 | 5        |
| 2.2 Relational Schema .....          | 5        |
| 2.3 Use Case Diagram .....           | 5        |
| 2.4 User Table.....                  | 8        |

## **1.0 INTRODUCTION**

### **1.1 Proposal Overview**

The main objective of this is to regularize the awareness of the Divisional Secretariat in getting the monthly allowance of Rs.5000 through the bank for disabled and elderly persons through our proposed system. Technology and automation can reduce administrative burdens and improve service delivery. This will make the Grama Niladhari of the area the beneficiary of the service.

### **1.2 Scope**

The scope of this application is to build a user-friendly website. FISTEX is different because it is easy to use and useful. The FISTEX system helps to manage data in the proper way. The process of notifying the Grama Niladhari of the Divisional Secretary's Office for the payment of Subsidy Allowance for dependents through the banking system. This system aims to reduce the burden on recipients of manual reporting of their cash receipts. The system involves secure transmission of limited data about subscribers' bank accounts in real-time to the database of the Divisional Secretariat. Key functionalities include developing a notification mechanism that works on disbursements, ensuring data accuracy and privacy compliance, and providing user-friendly interfaces for recipients and administrative staff. In addition, piloting the system in regions selected by the scope, ensuring that only eligible recipients receive grants, effectively communicating them, linking real-time information to the relevant office (such as the Divisional Secretariat). Appropriation informing recipients, This protects personal and sensitive information.

### **1.3 Existing system**

- Currently the grant making process involves two main ways. They are the post office system and the government banking system. But the post office system is a temporary system. It is a system of giving money to people who do not have bank accounts until they open bank accounts.
- Thus, after giving a monthly allowance of Rs.5000 to the disabled persons, various challenges are presented in the existing system as to whether they have received the amount or not.
- Currently operating as a temporary system, the post office system benefits from a well-established infrastructure and widespread physical presence, facilitating access for recipients in local communities. However, as it relies on manual documents, information regarding the payment method through post office

- Surveys are time consuming due to slow flow to the Divisional Secretariat. It also causes administrative delays. This is why it is currently only used as an alternative method.
- In contrast, the government banking system facilitates faster fund transfers and digital record keeping, improving efficiency and accuracy. But the problem is that it does not have direct communication with the Divisional Secretariat, as a result, no information is entered in the database of the Divisional Secretariat whether the people have received money or not.

## **1.4 Functional requirements**

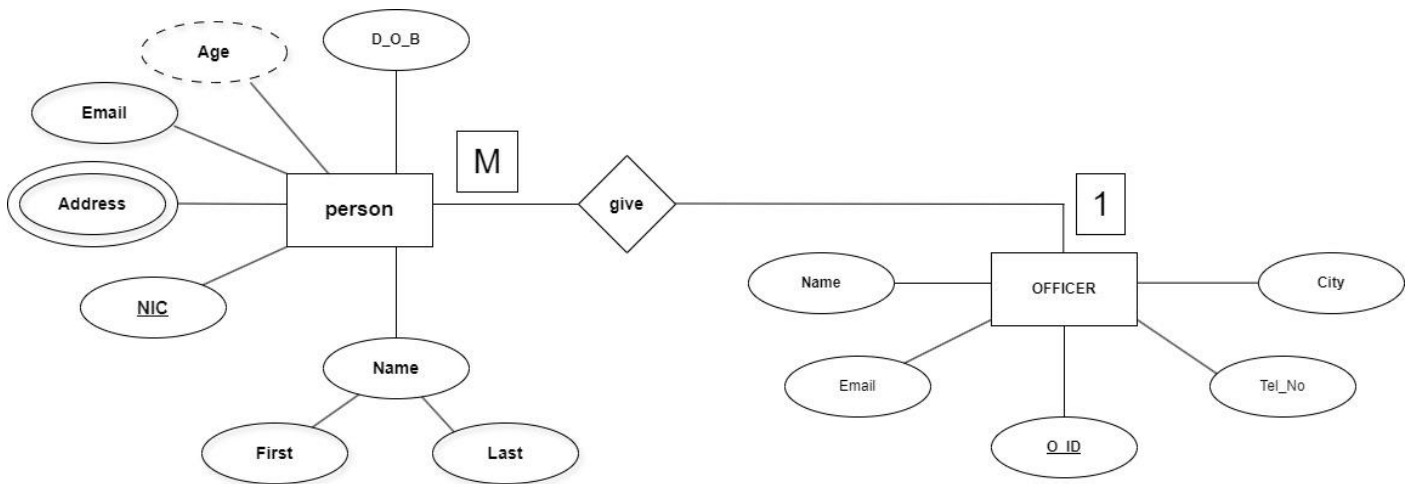
- The system allows Divisional Secretariat officials to create and manage personal information accounts for disabled and elderly persons.
- Divisional secretariat officers have the ability to add personal information to each account, including name, age, address and disability status.
- The system allows for conducting surveys to collect necessary information from beneficiaries receiving grants through the banking system.
- Divisional secretariat officers will be able to enter survey responses into the system and update beneficiary records accordingly.
- The system can generate reports on number of beneficiaries, delivery status and survey findings.

## **1.5 Non-Functional Requirements**

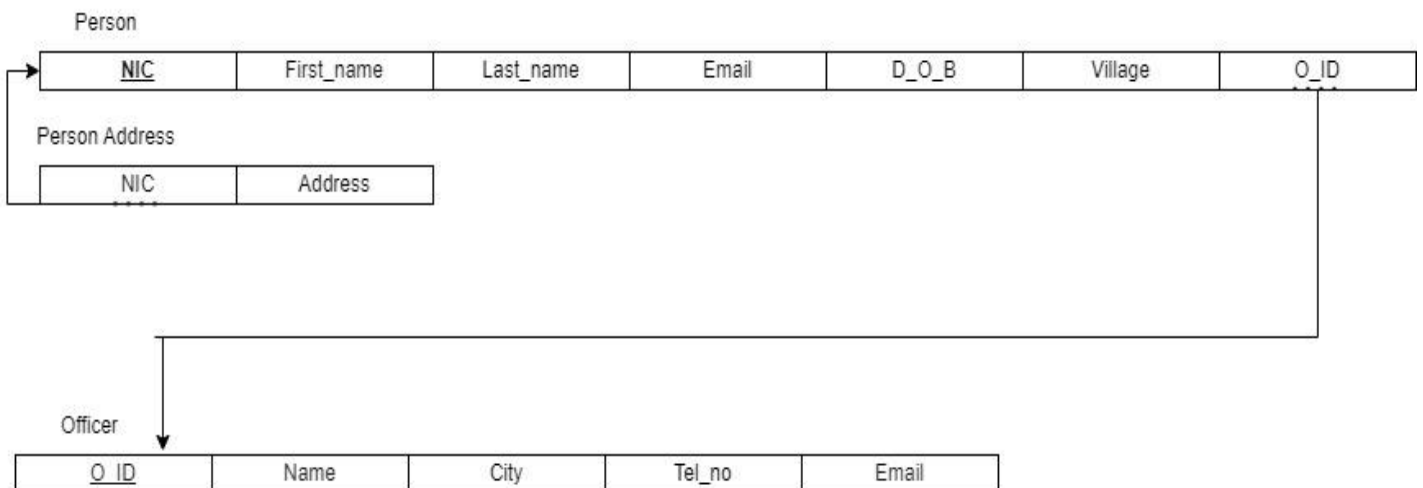
- The system complies with data protection regulations to ensure confidentiality and integrity of beneficiaries' personal information.
- Access to sensitive data is restricted to authorized Divisional Secretariat officials with appropriate authorization.
- The system interface is user-friendly and intuitive, allowing Divisional Secretariat officials to navigate efficiently and perform efficiently.
- Support resources are provided to Divisional Secretariat officers and grantees to facilitate system adoption and use.
- The system is very reliable and can be used at any time of the day.
- The system is capable of efficiently handling a large number of beneficiary records and transactions.
- Response time for accessing and updating beneficiary information is minimized to optimize the productivity of Divisional Secretariat officials.

## 2.0 System Analysis

### 2.1 ER Diagram

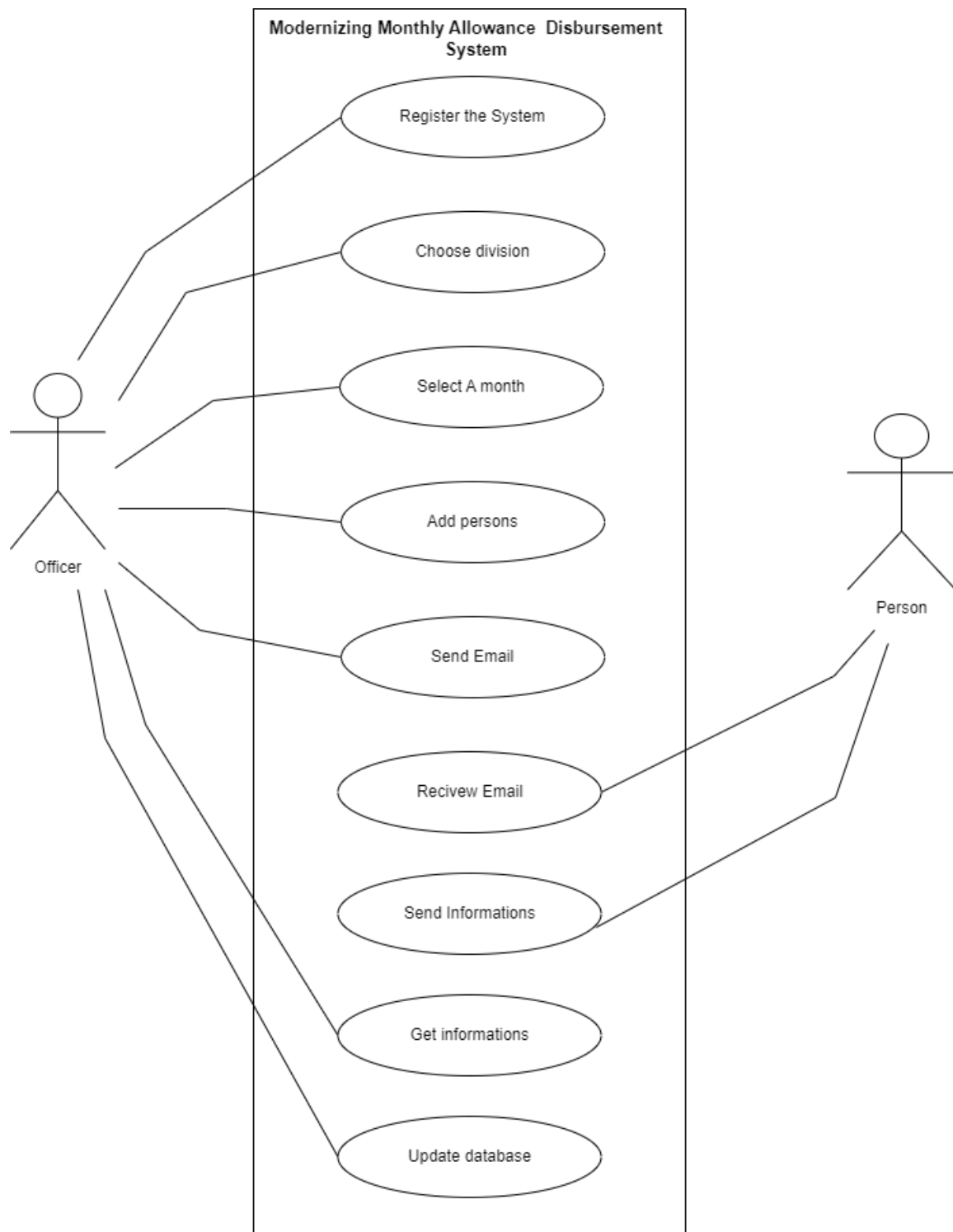


### 2.2 Relational Schema



## 2.3 Use Case Diagram

Use cases outline the interactions between the Divisional Secretariat Officer and the disabled person.



## 2.4 User Tables

### User (Division Secretariat Officer) Table

#### O\_id (Primary key)

| Attributes | Data Type    | Description           |
|------------|--------------|-----------------------|
| O_id       | INT(20)      | Officer ID Number     |
| Tel_No     | INT(30)      | Officer Mobile Number |
| City       | VARCHAR(100) | City                  |
| Email      | VARCHAR(100) | Officer Email         |
| Name       | VARCHAR(100) | Officer Name          |

### Person (Disable) Table

#### NIC (Primary Key)

| Attributes | Data Type    | Description          |
|------------|--------------|----------------------|
| NIC        | INT(20)      | Person NIC           |
| First      | VARCHAR(100) | Person First Name    |
| Last       | VARCHAR(100) | Person Last Name     |
| Email      | VARCHAR(100) | Person Email         |
| Age        | INT(50)      | Person Age           |
| Address    | VARCHAR(200) | Person Address       |
| D_O_B      | date         | Person Date of Birth |