

# **Mini Project - IS2106**

## **Software Requirements Specification**

**(SRS - version 4.0)**

**for**

**Integrated Government Service Registry**

**(IGSR)**

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### **DOCUMENT CHANGE HISTORY**

<b>Version</b>	<b>Date</b>	<b>Description</b>
4.0	2024/04/29	Added some UI designs and UI prototype link
3.0	2024/04/20	Added class diagram and Normalization the ERD to Procedure chart
2.0	2024/04/20	Added functional requirement specification with diagrams
1.1	2024/04/13	Added a non-functional requirement and formalize requirements
1.0	2024/04/10	Completeness of requirements, clarity and alignment with project objectives.

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# INTRODUCTION

## Project Purpose

This project aims to develop an information technology (IT) system that simplifies public access to services offered by regional secretariats in Sri Lanka.

## Target Audience

The general public in Sri Lanka, particularly those unfamiliar with the application procedures for regional secretariat services.

## References

<https://docs.google.com/spreadsheets/d/1MET7th5cyzh0C6i4GGsbCbvzSA-m6dxGgwqXlCfsyZA/edit?usp=sharing>

[https://youtu.be/0EZxoO0khNQ?si=hLDWaox\\_kPHUYrWZ](https://youtu.be/0EZxoO0khNQ?si=hLDWaox_kPHUYrWZ)

# SYSTEM OVERVIEW

The proposed system will be a web-based application. It is accessible through any internet browser on desktop computers, laptops, and mobile devices. The application will be provided in Sinhala, Tamil, and English to meet the target audience's with the varied linguistic.

# FUNCTIONAL REQUIREMENTS

- The system shall be provide clear and concise information for the users about the procedures for obtaining the following permits and licenses offered by regional secretariats
  1. Permits for felling wood
  2. Licenses for timber transportation
  3. Permits for dumping and transportation of sand, soil, and gravel
  4. Permits for transportation of animals
  5. Mode of obtaining Birth/Marriage/Death Certificates issued by Divisional Secretariats.
  6. Registration of Business Names.
  7. Registration of Voluntary Organizations.
  8. Providing income certificates.
- Users shall be able to download the necessary application forms for the aforementioned services via the system (Only if possible within the legal framework).
- There shall be a basic Q&A section with frequently asked questions (FAQs) to address common user queries.
- Data needs to be saved that user can be able to review the process. Also user need to be able to book an appointment.

## NON-FUNCTIONAL REQUIREMENTS

### ➤ **User Interface**

The systems interface should be simple to use, intuitive and visually appealing. It shall adapt to various screen sizes Desktop, Laptop and Mobile.

### ➤ **Accessibility**

To provide accessibility for users with disabilities, the system's interface should be adhere to the Web Content Accessibility Guideline WCAC 2.1 of the W3C

### ➤ **Performance**

The system should be a response time of fewer than 5 seconds for a common user task. The system must be available 24x7 and the estimated downtime for maintenance purposes should be no more than 12 hours per year.

### ➤ **Security**

If the information system gathers any user data using the submitted inquiry, it will should be take the necessary security measures to keep the data safe and example of this would be Encryption of the data and user validation.

### ➤ **Localization**

User interface should be contained with English, Sinhala and Tamil languages and service charges should be in LKR.

## STAKEHOLDERS

- Regional Secretariats (data providers and potential system users)
- System Developers and IT Personnel
- General Public (end-users)

## ADDITIONAL INFORMATION

This system is intended to enhance the performance of [existing](#) application processes at regional secretariats. It aims to empower the public with information to navigate the application procedures more efficiently. The system may require integration with existing data sources maintained by regional secretariats to ensure accurate and up-to-date information. There are some issues in that existing sites that

users cannot download the relevant forms, users cannot submit their feedback about the service and users cannot book appointments for permits and licenses. Therefore this system intended to solve this concerns of the existing system.

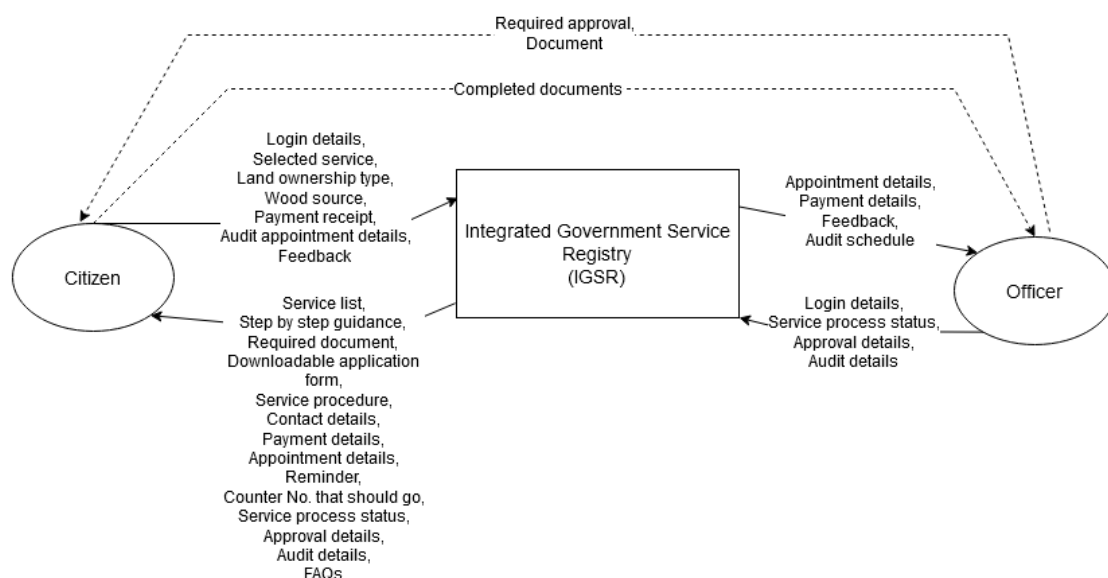
## FUTURE ENHANCEMENTS

- The system can be expanded to include online appointment scheduling with the regional secretariat office's system.
- The system can be extended to integrate with regional secretariat's payment gateway for making payments for the service online.
- The system can also be adopted for receiving user suggestions and also receive any complaints if any from user.

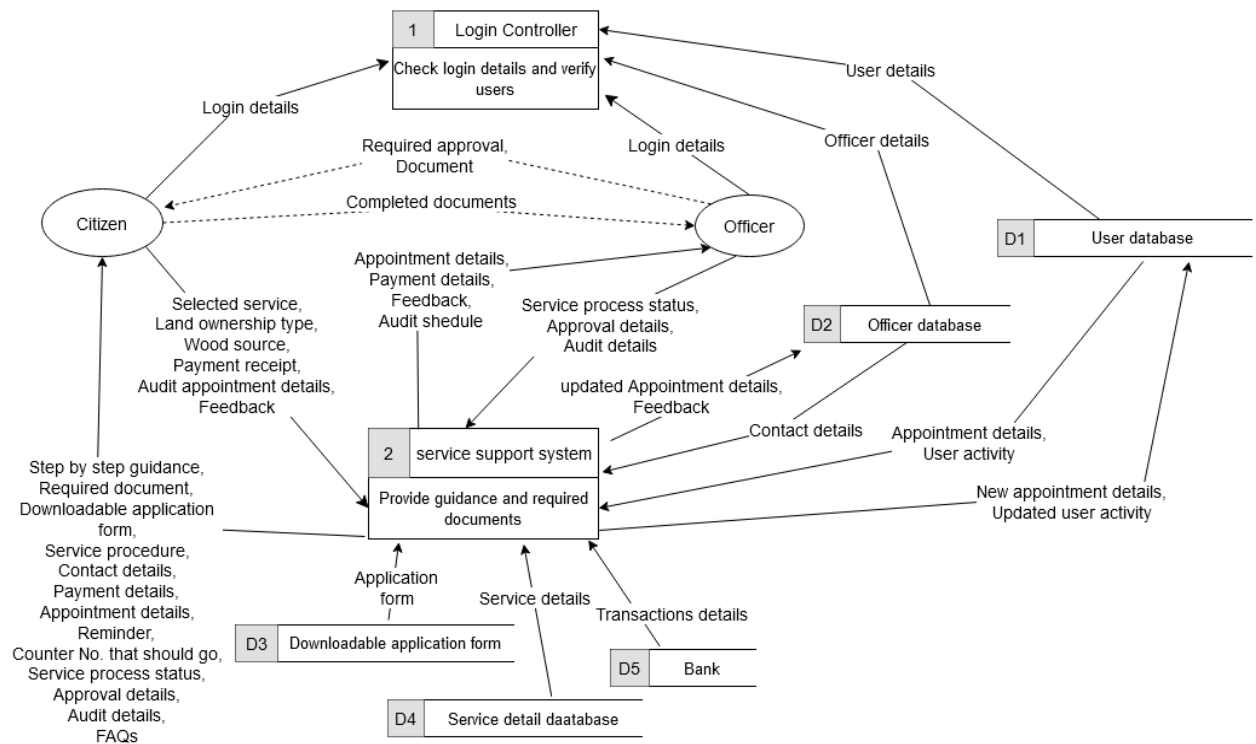
## FUNCTIONAL REQUIREMENT SPECIFICATION

### 1.Data flow diagram

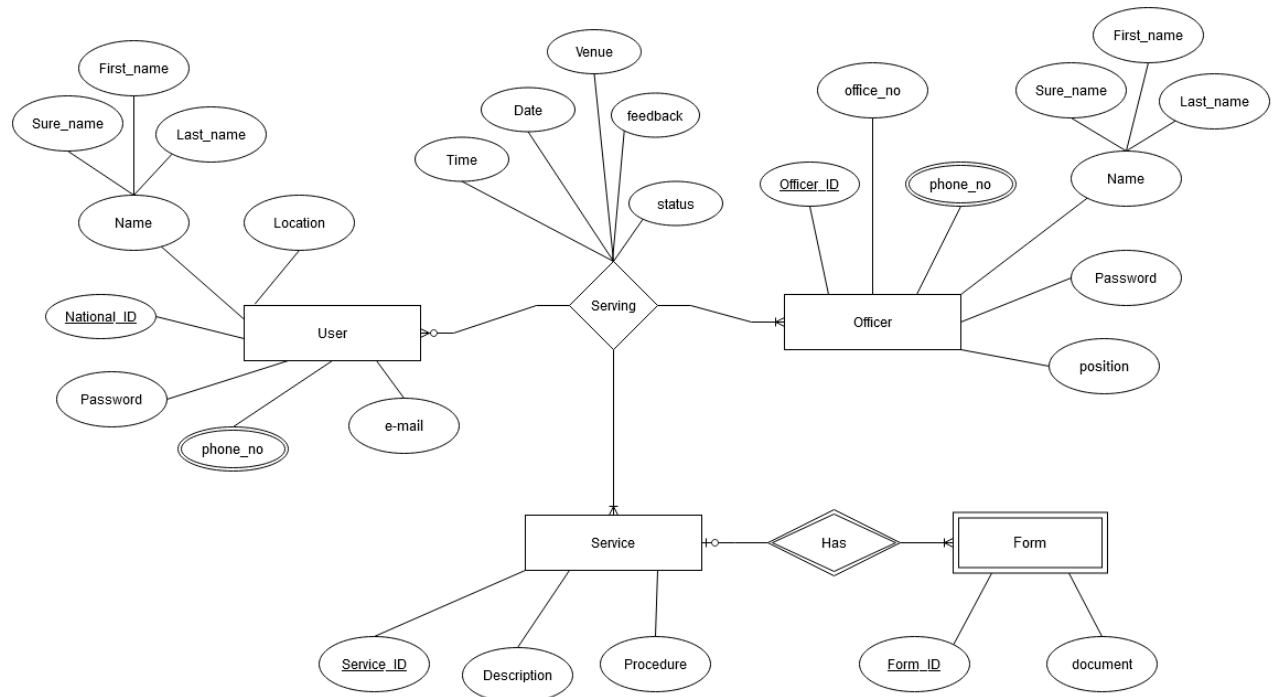
#### DFD Level 0



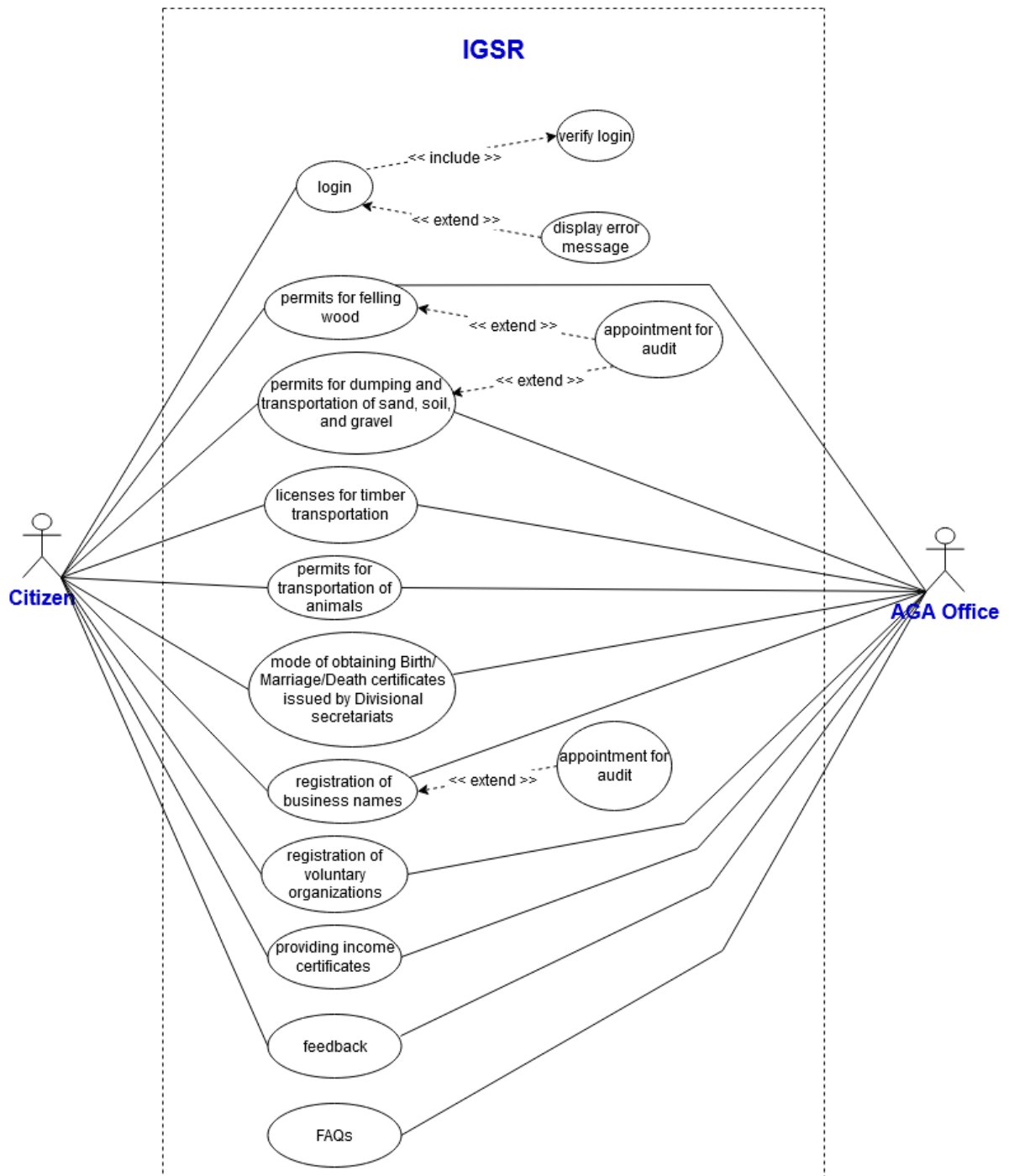
## DFD Level 1



## 2.Entity Relationship Diagram

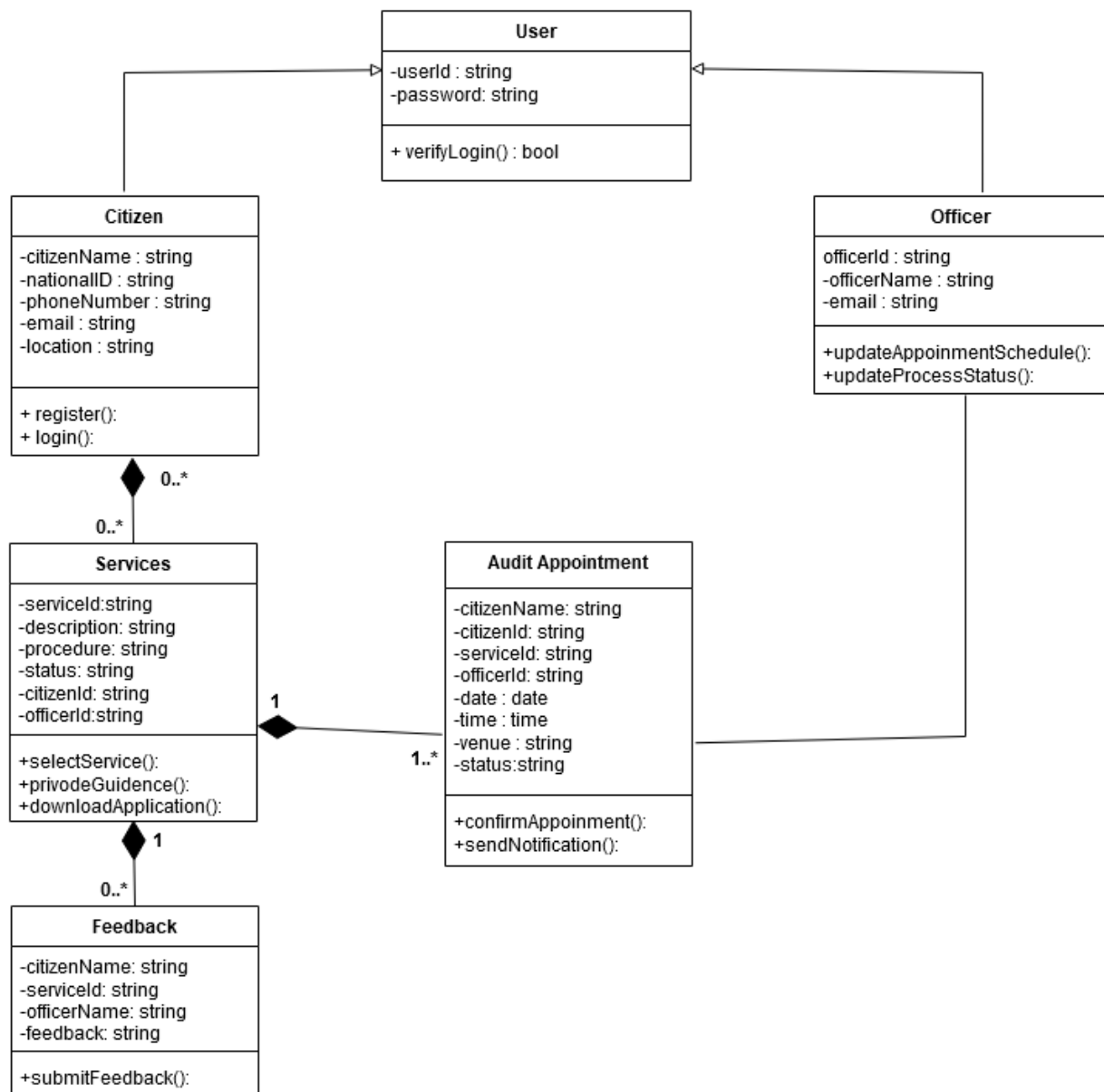


### 3. Use Case Diagram





## 4. Class Diagram



## 5. Data Base Logical Design

*Normalization above ERD to Procedure chart*

User (National ID, sure\_name, first\_name, last\_name, Location, e-mail, password)

User\_contact (National ID, phone\_no)

Officer (Officer ID, office\_no, sure\_name, first\_name, last\_name, password, position)

Officer\_contact (Officer ID, phone\_no)

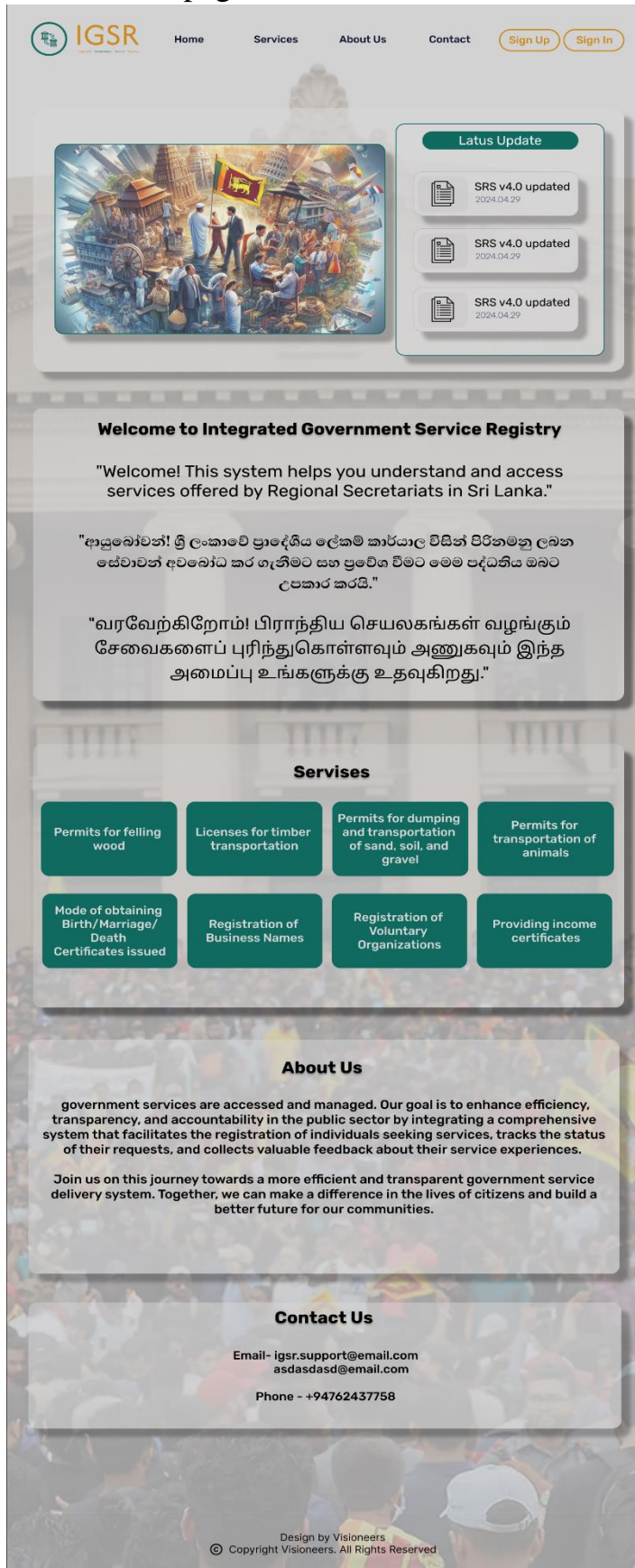
Service (Service ID, Description, Procedure)

Form (Form ID, Service\_ID, document)

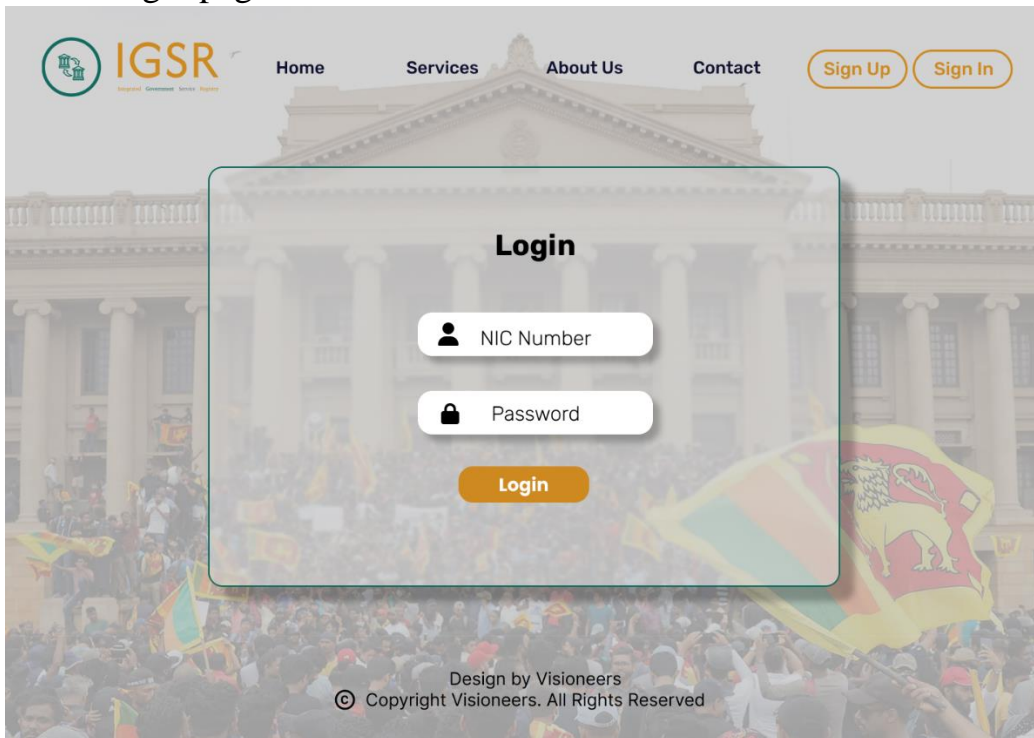
ServiceLog (National ID, Officer ID, Service ID, Time, Date, Venue, Feedback, Status)

# User Interface

## 1. Home page



## 2. Login page



The login page features a header with the IGSR logo (International Government Service Registry) and navigation links: Home, Services, About Us, and Contact. On the right, there are 'Sign Up' and 'Sign In' buttons. The main content area is a white box with a green border titled 'Login'. It contains two input fields: 'NIC Number' with a person icon and 'Password' with a lock icon. Below these is an orange 'Login' button. The background is a faded image of a crowd holding Sri Lankan flags. At the bottom, it says 'Design by Visioneers' and '© Copyright Visioneers. All Rights Reserved'.

IGSR  
International Government Service Registry

Home Services About Us Contact

Sign Up Sign In

### Login

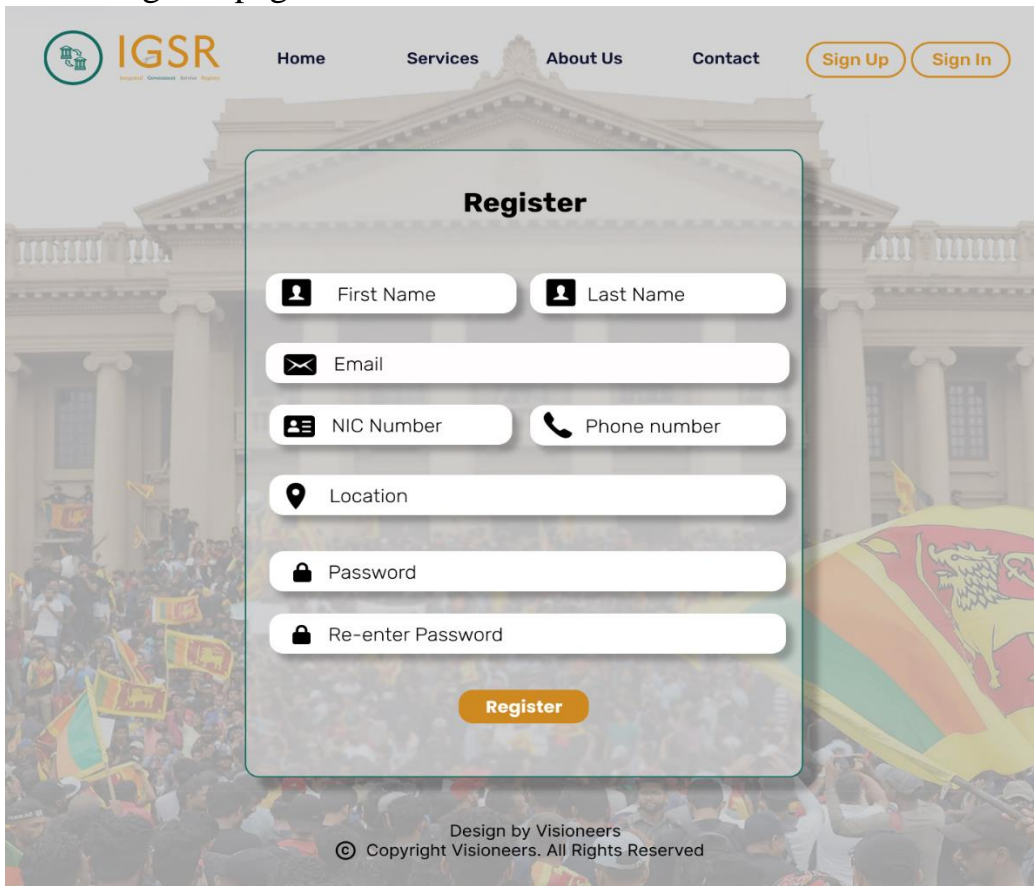
NIC Number

Password

Login

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## 3. Register page



The register page has the same header as the login page. The main content area is a white box with a green border titled 'Register'. It contains several input fields: 'First Name' and 'Last Name' (each with a person icon), 'Email' (with an envelope icon), 'NIC Number' (with an ID card icon), 'Phone number' (with a phone icon), 'Location' (with a location pin icon), 'Password' (with a lock icon), and 'Re-enter Password' (with a lock icon). Below these is an orange 'Register' button. The background and footer are identical to the login page.

IGSR  
International Government Service Registry

Home Services About Us Contact

Sign Up Sign In

### Register

First Name  Last Name

Email

NIC Number  Phone number

Location

Password

Re-enter Password

Register

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## 4. Service (Example 1)

[Home](#)[Services](#)[About Us](#)[Contact](#)[Sign Up](#)[Sign In](#)

### Mode of obtaining Birth/Marriage/Death Certificates issued

#### Registration of Unregistered Birth/Delayed Birth Registration.

Submit the following documents along with the declaration form submitted within one year of birth.

- ✦ Marriage certificate of parents if married.

One of the following documents confirming the person's date of birth and place of birth.

- ✦ Hospital birth record or copy of certificate
- ✦ Village Official Birth Record or Certificate Copy.
- ✦ Estate Birth Record or Certificate Copy.
- ✦ A certificate from the Family Health Service Officer.

Submit the following documents along with the declaration form submitted after one year of birth.

- ✦ Marriage certificate of parents if married.
- ✦ Certificate of non-registration of birth.

One of the following documents confirming the person's date of birth and place of birth.

- ✦ Hospital report or certificate copy.
- ✦ Village Officer report or certified copy.
- ✦ Estate Birth Record or Certificate Copy.
- ✦ Copy of birth certificate of prospective mother.

If none of the above documents, one of the following documents instead,

- ✦ Health Growth Chart.
- ✦ Physical certificate.
- ✦ Certified Copy of School Admission Document/Student Work View.
- ✦ Estate Welfare Officer Report.
- ✦ Lunar or calendar set near the date of birth.

If none of these documents are available, an affidavit and an affidavit containing known details.

- ✦ Birth certificates of parents.
- ✦ Grammy Official Statement/List of Children.
- ✦ Statements of those who know the birth details of the mother/father.
- ✦ Obtaining a copy of birth death marriage certificates.

The required application form can be obtained from the District Register Section of any Divisional Secretariat.

Fees charged.

100 rupees per copy when the certificate number and date of registration are known.

If the certificate number and date of registration are not known, the annual fee is Rs 200 per copy in case of document search not exceeding twice

Pay the required amount to the Divisional Secretariat.

Hand over the completed application form to the office of the concerned Divisional Secretary.

If you want to get the certificate by post, submit the application in a self-addressed stamped envelope.

Tree felling permit will be issued after inspecting the trees and getting the recommendation report of the village officer, forest officer, and agriculture consultant.

## Prototype link

<https://www.figma.com/file/Gf5Q8LyEzEASgKemoAwM92/IGSR?type=design&node-id=0%3A1&mode=design&t=SARluReP3ElilciB-1>