

Software Requirements Specification (SRS)

Survey Department Circuit Bungalows Management System

Version 3.0

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1. Introduction

1.1 Purpose

The main purpose of creating this system is to transform manual circuit bungalow management into a digital process to strengthen the department activities which relevant to reservation of bungalows. In addition, it is desired to improve booking and check availability of circuit bungalows and provide overall service to citizens.

1.2 Intended Audience

This system is beneficial for surveyor department staff, Land ministry staff and external uses such as other any government workers who are interested in booking circuit bungalows.

1.3 Intended Use

This system indented to provide user friendly interface for users, including all the information related to circuit bungalows and checking availability for reservations.

1.4 Product Scope

Scope of this product is to deal with features, functionalities and limitations which surrounding ability to check real-time availability and including all the information about circuit bungalows according to user needs.

2. Description

2.1 Similar products and integration

The circuit bungalow managing system will link with existing databases and systems of Surveyor department and will ensure its seamless data exchange and compatibility.

2.2 User needs

The system satisfies necessities of the system users including Surveyor Department staff responsible for managing circuit bungalows, as well as the external users such as other staff of survey department, land ministry staff and any other government worker interested in booking these accommodations by providing easy access to relevant information.

2.3 Objectives

The primary objectives of the online system are to:

- Streamline the management of circuit bungalows operated by the Surveyor Department
- Improve accessibility to information regarding circuit bungalow locations, facilities, and availability
- Enhance user experience for both Surveyor Department staff and external users
- Facilitate efficient booking and reservation processes

2.4 Assumptions

- System will have basic computer literacy skills and access to internet-enabled devices
- The necessary infrastructure and resources will be available for the development and implementation of the online system

3. Requirements and Features

3.1 Functional Requirements

- View comprehensive list of circuit bungalows, including detailed information such as location, facilities, and capacity
- Check real-time availability status of each circuit bungalow, indicating whether it is booked or available for reservation
- Enable Surveyor Department staff to update information regarding circuit bungalows, including availability status and facility details
- Allow external users to search for circuit bungalows based on specific criteria such as location, capacity, and facilities
- Facilitate the booking and reservation process for external users, including online payment options if applicable

3.2 Nonfunctional Requirement

- The system must be capable of handling multiple concurrent users without significant performance degradation
- The system must implement robust security measures to protect user data and prevent unauthorized access
- The user interface must be user-friendly

3.3 System Features

- Display detailed information about each circuit bungalow, including photos, amenities, and availability calendar
- Provide up-to-date information on the availability of each circuit bungalow for booking
- User Authentication: Implement secure login mechanisms for both Surveyor Department staff and external users
- Allow users to booking and cancel reservations if necessary

4. Diagrams

4.1 Use Case Diagram

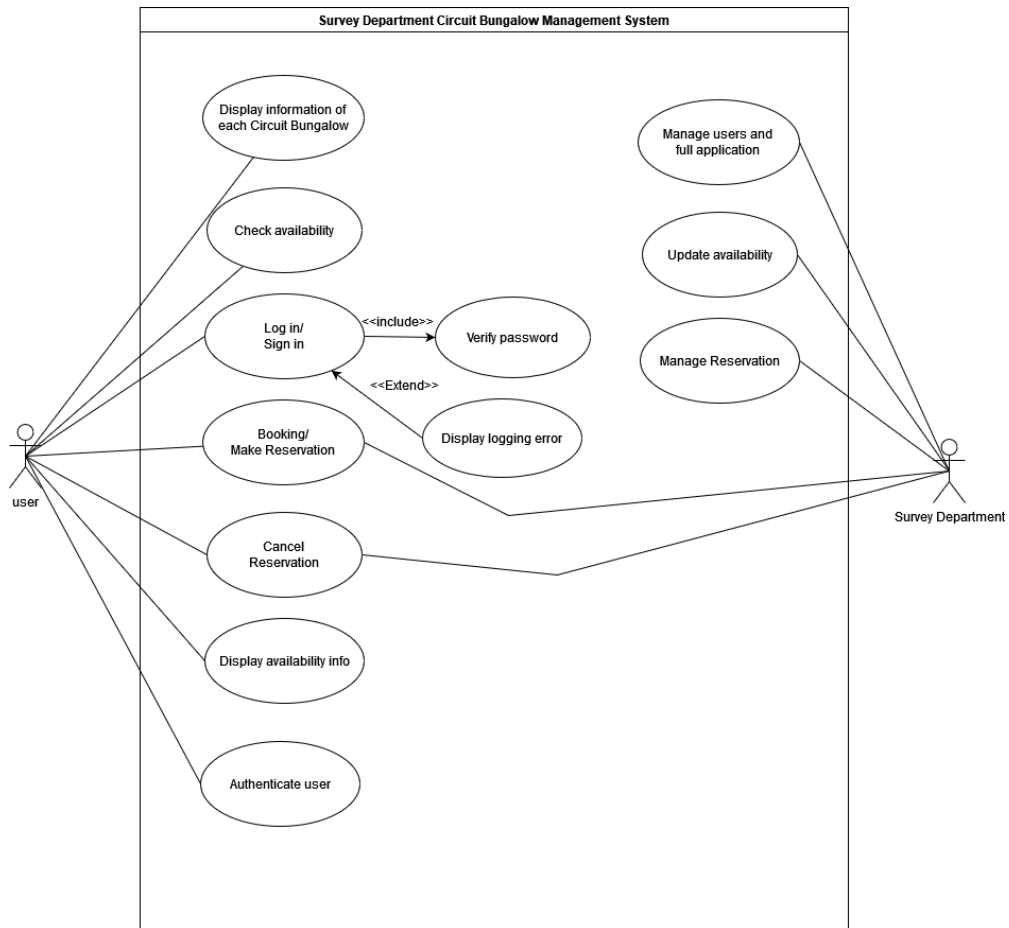


Figure 1

4.2 ER Diagram

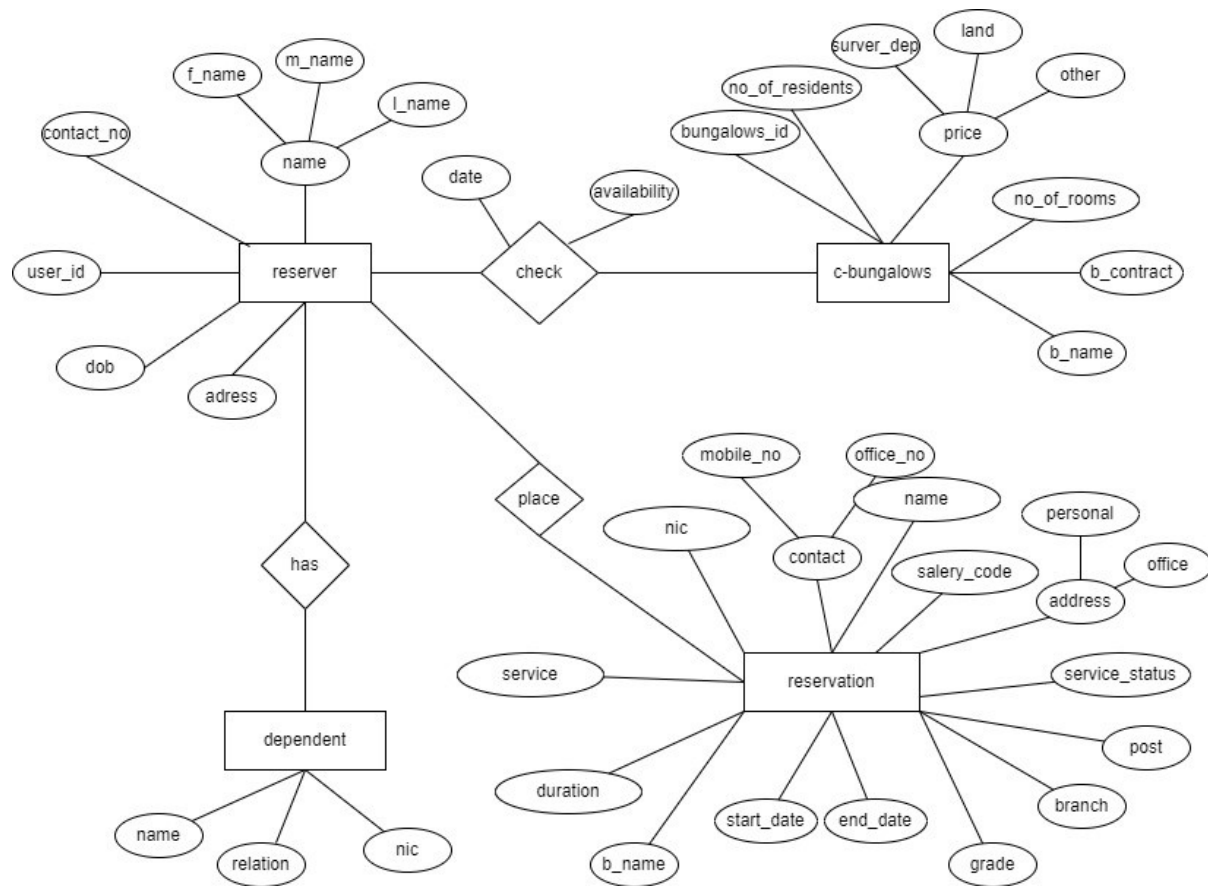


Figure 2

4.3 DB Diagram

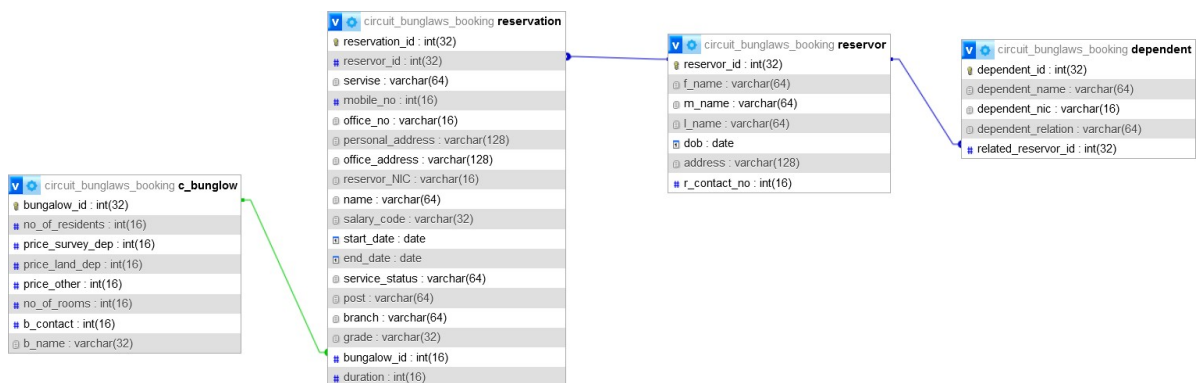
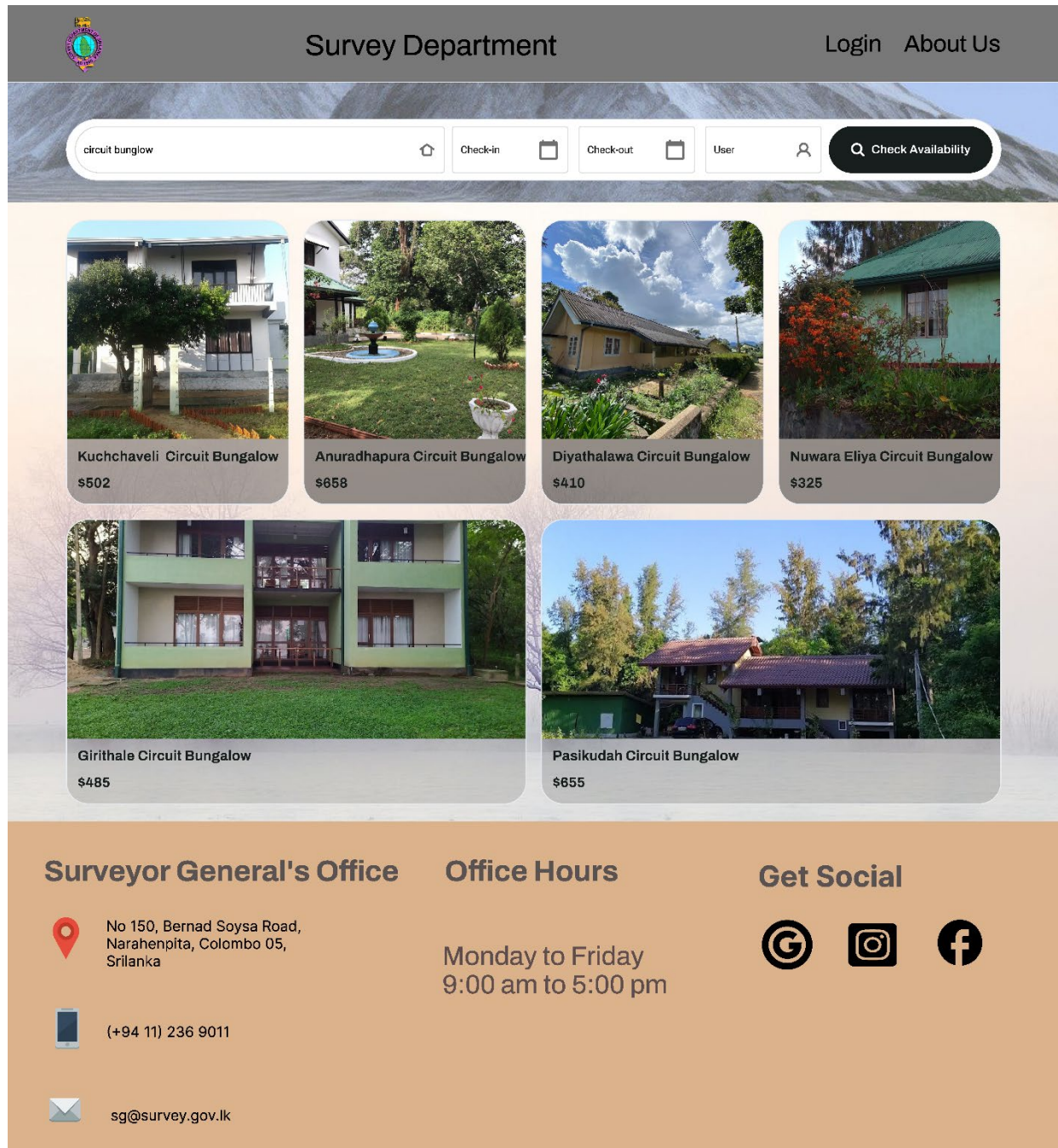



Figure 3

5.UI/UX Design

5.1 Homepage



5.2 Property details page

**Survey Department**[Home](#) [Login](#) [About Us](#)

Kuchchaveli


Enjoy a relaxing stay near Nilaveli Beach and Pigeon Island at our comfortable Circuit Bungalows (CB-A & CB-B) in Kuchchaveli.

Contact for reservations:


CB-A: 04722235121
CB-B: 0262228470

\$658


[Book this home](#)



Front entrance of the Kuchchaveli Circuit Bungalow




🛏 Bedrooms | 🛏 Sleeps 🛏 | A/C ❄




Each building: 🛏 living areas, 🛏 mini kitchens, 🛏 bathrooms.


Surveyor General's Office



No 150, Bernad Soysa Road,
Narahenpita, Colombo 05,
Sri Lanka



(+94 11) 236 9011






sg@survey.gov.lk

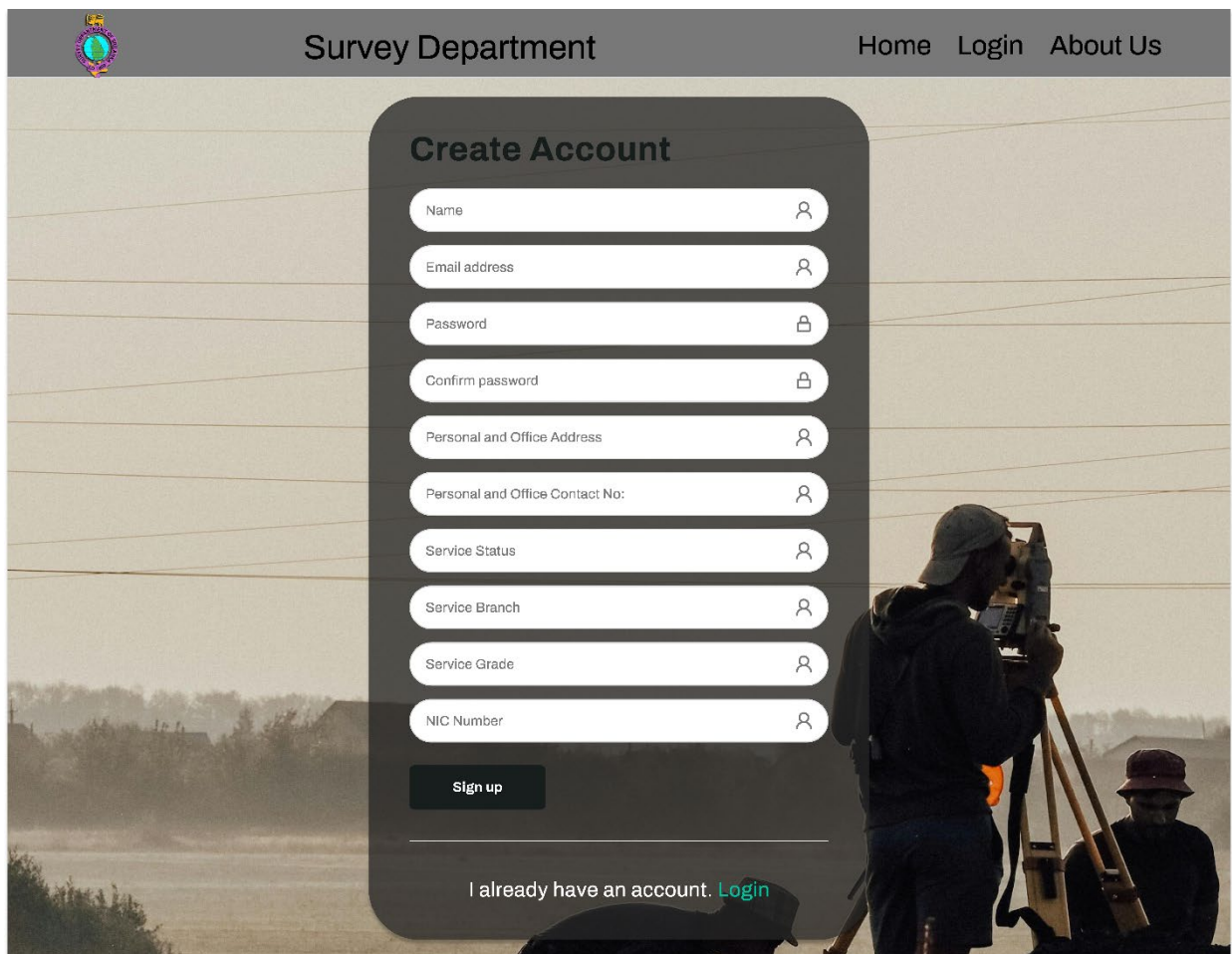
Office Hours

Monday to Friday
9:00 am to 5:00 pm

Get Social



5.3 Sign up page



The image shows a web page for the Survey Department's sign-up process. The page has a dark grey header with the department's logo on the left, the text "Survey Department" in the center, and navigation links "Home", "Login", and "About Us" on the right. The main content area features a large, semi-transparent dark grey box with rounded corners. Inside this box, the title "Create Account" is at the top. Below it are ten input fields, each with a label and a user icon on the right: "Name", "Email address", "Password", "Confirm password", "Personal and Office Address", "Personal and Office Contact No:", "Service Status", "Service Branch", "Service Grade", and "NIC Number". A black "Sign up" button is positioned below the fields. At the bottom of the box, there is a link that says "I already have an account. [Login](#)". The background of the page is a photograph of two surveyors in a field; one is standing and operating a surveying instrument on a tripod, while the other is kneeling nearby.

Survey Department Home Login About Us

Create Account

Name

Email address

Password

Confirm password

Personal and Office Address

Personal and Office Contact No:

Service Status

Service Branch

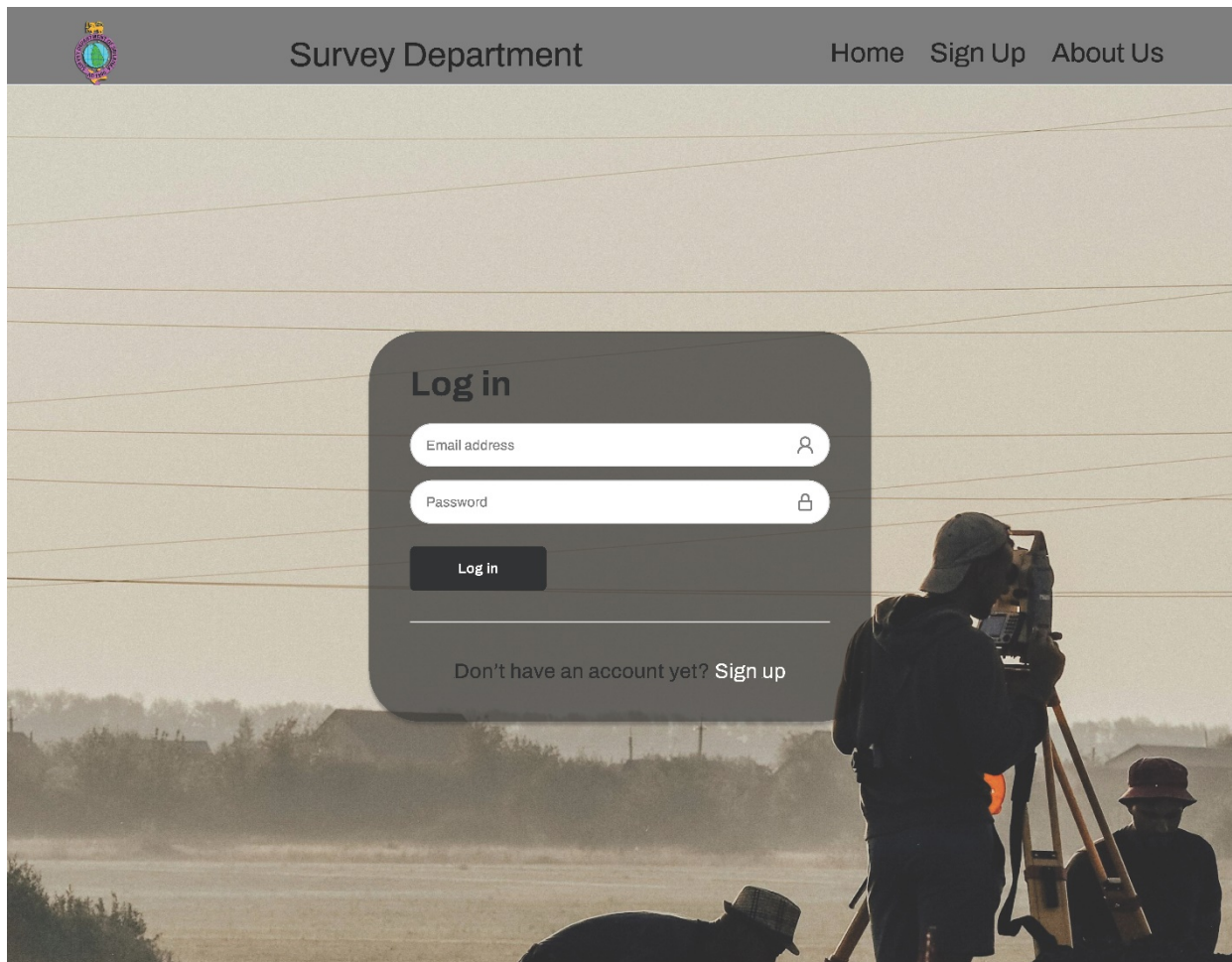
Service Grade

NIC Number

Sign up

I already have an account. [Login](#)

5.4 Log in page





The image shows a web page for the Survey Department. The header is dark grey with a logo on the left, the text "Survey Department" in the center, and navigation links "Home", "Sign Up", and "About Us" on the right. The background is a photograph of surveyors in a field. A dark grey login form is centered on the page. It has a title "Log in", two input fields for "Email address" and "Password" (the password field has a lock icon), a "Log in" button, and a link "Don't have an account yet? Sign up".

Survey Department

Home Sign Up About Us

Log in


Email address 

Password 

Log in

Don't have an account yet? [Sign up](#)

5.5 Booking page



Survey Department

Home Login About Us

Booking Details

6 Gest Name and NIC Number

7 Gest Name and NIC Number

8 Gest Name and NIC Number

9 Gest Name and NIC Number

10 Gest Name and NIC Number

11 Gest Name and NIC Number


12 Gest Name and NIC Number

13 Gest Name and NIC Number


Book

You need to Log in Before Booking. [Login](#)


Surveyor General's Office



No 150, Bernad Soysa Road,
Narahrenpita, Colombo 05,
Srilanka



(+94 11) 236 9011






sg@survey.gov.lk


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9:00 am to 5:00 pm

Get Social



5.6 Add more guest page



Survey Department

Home Login About Us

Booking Details

Name of Bungalow

Booking Period Starting Date

Booking Period Ending Date

Time of arrival

Time of leave

1 Guest Name and NIC Number

2 Guest Name and NIC Number

3 Guest Name and NIC Number


4 Guest Name and NIC Number

Book

Add more Gest

You need to Log in Before Bookng. [Login](#)

5.7 About us page




Survey Department


Home Login

A job is worth doing together


Meet the dedicated team , revolutionizing the way we farm with innovative, beautiful, and sustanable solutions for the home.



Sachindu
Student 01
Undergraduate
Computing and
Information
System





Thashmika
Student 02
Undergraduate
Computing and
Information
System




Nethmi
Student 03
Undergraduate
Computing and
Information
System

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Get Social

5.8 Link of UI/UX design

[https://www.figma.com/file/V8GZVMYNXC4ao9pIGJ8yFC/Localhost-Website-\(Community\)?type=design&node-id=0-1&mode=design&t=rVBAwO1A83j4biqe-0](https://www.figma.com/file/V8GZVMYNXC4ao9pIGJ8yFC/Localhost-Website-(Community)?type=design&node-id=0-1&mode=design&t=rVBAwO1A83j4biqe-0)

References

survey department of Sri Lanka - <https://www.survey.gov.lk/>