Software Requirements Specification (SRS)

Survey Department Circuit Bungalows Management System

Version 2.0

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Team Thinkers Tribe (No:42)

Sachindu 21CIS0226

Nethmi 21CIS0197

Thashmika 21CIS0214

Department of Computing & Information Systems
Faculty of Computing
Sabaragamuwa University of Sri Lanka

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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

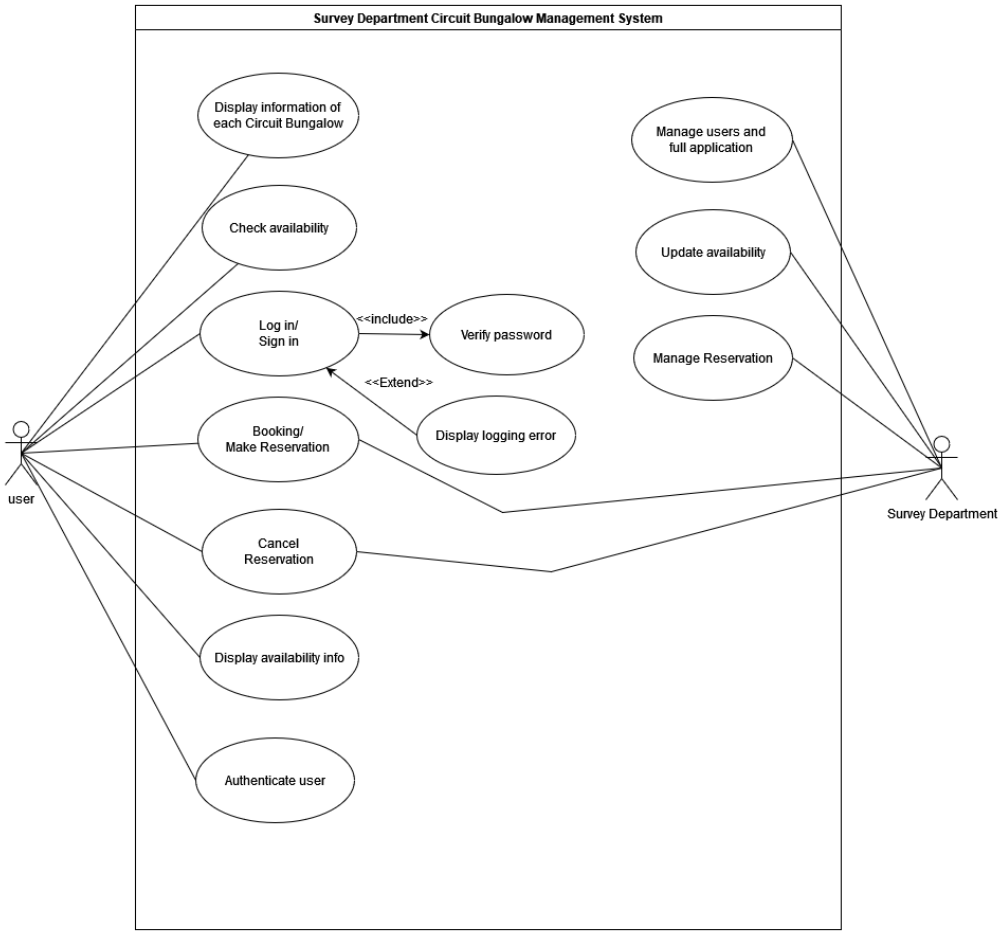

Figure 1

4.2 ER Diagram

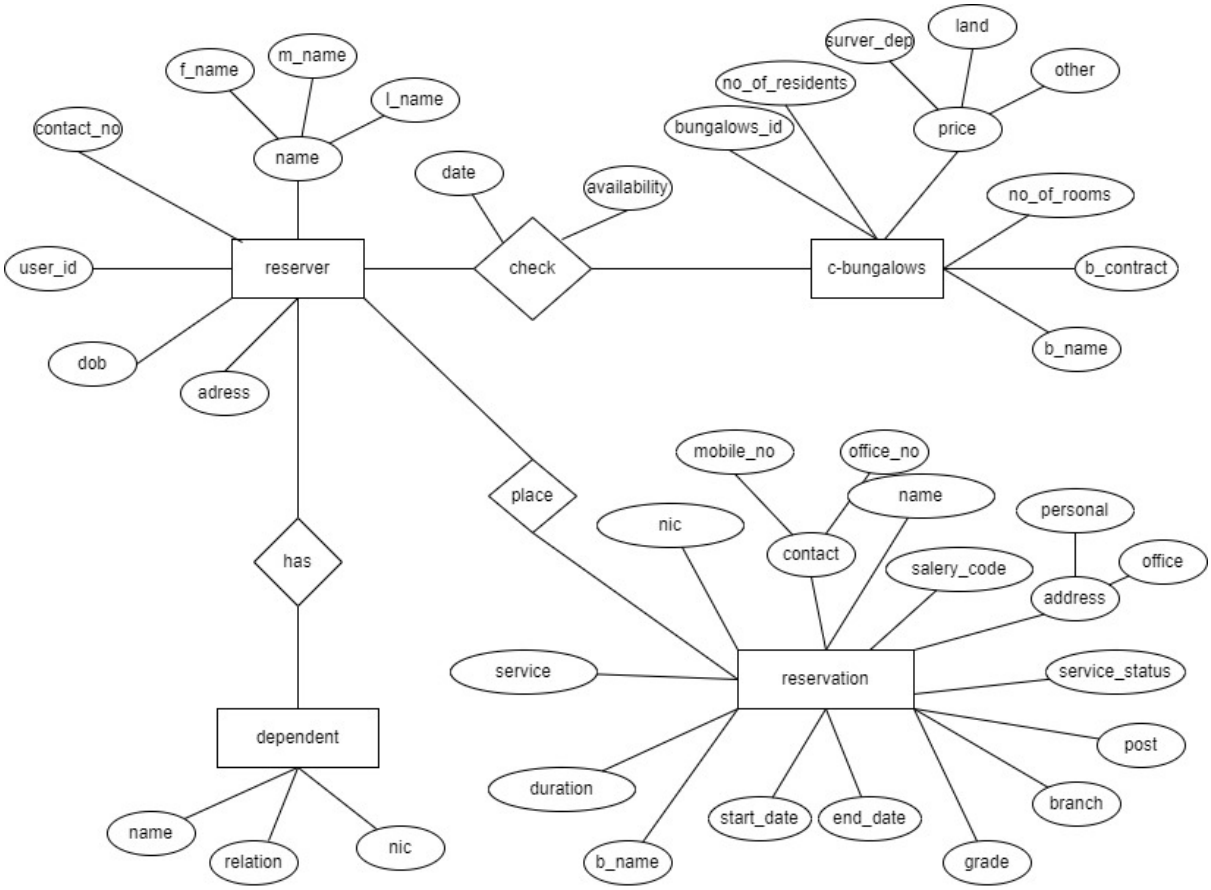

Figure 2

4.3 DB Diagram

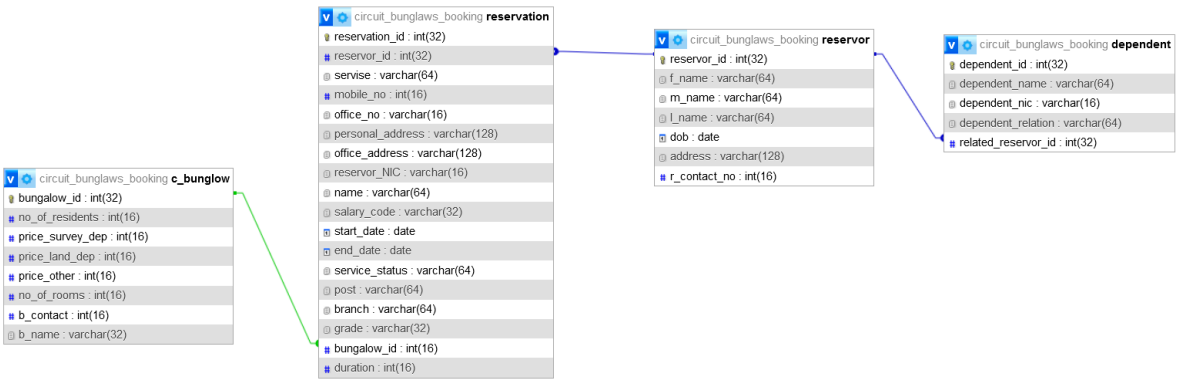

Figure 3

References

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