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# Software Requirements Specification

For

## VENUE BOOKING SYSTEM

Version 1.0

Prepared by

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## 1. Introduction

- 1.1. Purpose:** The purpose of this project is to present the design and application of a venue booking system for Daffodil International University. The system aims to streamline the process of booking venues on campus.
- 1.2. Objective:** The objective of the project is to develop a user-friendly and efficient venue booking system that allows students, faculty, and staff to easily reserve venues for various events and activities.
- 1.3. References/Related Works:** In the development of the venue booking system, the following related work has been found: “Field Booking System” which was only demonstrate but yet to implemented.

## 2. Overall Description

- 2.1 Product Perspective:** The venue booking system is designed as a standalone application that interacts with a centralized database to manage venue bookings. It provides a user-friendly interface for users to view available venues, make bookings, and manage their reservations.
- 2.2 Motivation:** The motivation behind developing the venue booking system is to simplify the process of reserving venues on campus. The manual booking process is time-consuming and distressing. By automating the system, users can easily check venue availability, book venues, and receive confirmation without the need for manual intervention.
- 2.3 User Classes and Characteristics:** The venue booking system caters to the following user classes:
- ◆ Students: They can book venues for student club activities, meetings, and events.
  - ◆ Faculty: They can reserve venues for academic conferences, seminars, and workshops.
  - ◆ Clubs: They can book venues for administrative meetings, training sessions, club activities and official events.
- 2.4 Operating Environment:** The venue booking system is developed to be compatible with common operating systems, such as Windows, macOS, and Linux. It requires a web browser for accessing the user interface and an internet connection for real-time updates and communication with the database.

### 3. Project features and Outcomes:

#### 3.1 List of Feature:

- ◆ User registration and login
- ◆ Venue availability checking
- ◆ Venue booking request submission
- ◆ Automatic confirmation and notification
- ◆ Booking cancellation
- ◆ Admin dashboard for managing venues and bookings

**3.2 Database:** The venue booking system utilizes a database to store and manage information related to venues, bookings and users. The database schema is designed to efficiently handle concurrent bookings and ensure data integrity.

**3.3 Outcomes of the Project:** The successful implementation of the venue booking system will result in the following outcomes—

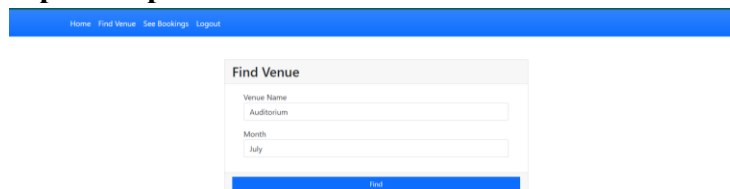
- ◆ Streamlined venue booking process
- ◆ Reduced administrative effort
- ◆ Improved accuracy in booking information
- ◆ Enhanced user satisfaction

### 4. External Interface Requirements

**4.1 User Interfaces:** The user interfaces of the venue booking system include—

- ◆ Login page for user authentication
- ◆ Venue selection page for checking availability
- ◆ Booking form for submitting booking requests
- ◆ User dashboard for showing reservations

#### 4.2 Input Output Demo:



The screenshot displays a web application interface. At the top, there is a blue navigation bar with links: Home, Find Venue, See Bookings, and Logout. Below this, a 'Find Venue' form is shown. The form contains three input fields: 'Venue Name' with the text 'Auditorium', 'Month' with the text 'July', and a 'Find' button at the bottom.

Home Find Venue See Bookings Logout

July month is available for Auditorium booking.

Booking Form

I am

Student

From Date

07/07/2023

To Date

07/08/2023

Book Now

Home Find Venue See Bookings Logout

Your booking has been confirmed!

Details

OK

Home Find Venue See Bookings Logout

Your booking has been confirmed!

Booking Details

Venue name: Auditorium

Username: admin

FROM DATE: July 7, 2023

To Date: July 8, 2023

Close

Home Find Venue See Bookings Logout

List of Bookings

BOOKING ID	USER NAME	VENUE NAME	USER	FROM DATE	TO DATE	STATUS
13	admin	ICR	Teacher	June 2, 2023	June 3, 2023	CANCELLED
15	admin	ICR	Club	June 10, 2023	June 11, 2023	BOOKED
14	admin	Auditorium	Student	July 7, 2023	July 8, 2023	BOOKED

Cancel Booking Form

Booking ID

Cancel Booking

## **5. Future Scope and Limitation**

**5.1 Limitation:** The venue booking system has certain limitations, including—

- ◆ Dependency on internet connectivity for real-time updates
- ◆ Limited scalability for handling a large number of simultaneous bookings
- ◆ Potential security concerns regarding user data

**5.2 Future Scope:** For future development and enhancement of the venue booking system, the following areas can be explored—

- ◆ Integration with an online payment system for booking fees
- ◆ Mobile application for convenient access to the system
- ◆ Retrieve password for forgotten user
- ◆ Booking modification

**5.3 Conclusion:** The venue booking system project aims to provide a convenient and efficient solution for booking venues at Daffodil International University. By automating the booking process, the system will simplify the reservation process, reduce administrative workload, and enhance user satisfaction. The future scope of the project includes further improvements and expansions to meet the evolving needs of the university community.