**BookWithMe**

**Online Rental Booking System**

#### By

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**A project submitted**

**In**

**partial fulfillment of the requirements for the degree of**

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**Internal Guide**

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CERTIFICATE

This is to certify that the project work titled

## BookWithMe

## Online Rental System

is the bonafide work of

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carried out in the partial fulfillment of the degree of Bachelor of Technology in Computer Engineering at Dharmsinh Desai University in the academic session

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**Chapter 1**

**Introduction**

## 1.1. Purpose

The purpose of this document is to present a detailed description of BookWithMe the Online Rental Booking System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be proposed to the External and the internal faculty for its approval.

## 1.2. Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| System / BookWithMe | System / BookWithMe refers to the online web platform for booking rental at specifies place and time by its registered users, those properties hosted by the registered hosts. |
| Registered User | Person who is a member of the service provided by the System for booking rentals which are hosted by the registered hosts. |
| Database | Collection of all the information monitored by this system. |
| Admin | Person who overlooks and manages the registered users, registered hosts and non-registered users, host properties, user and host credentials and bookings. |
| Registered Hosts | Person who is a member of service provided by the System to declare his/her property for rent for specific period of time for registered users to stay. |
| Non Registered Users | Person who is not an active member of the services provided by the System either for booking rentals or hosting one. The non registered users can only view and look for available properties in particular location at particular time. Non registered users can become either registered users, registered hosts or both. |
| Review | A written recommendation made by the registered users who have stayed in the property, about the host property, host and his / her experience in the property. |
| Reviewer | A person that has stayed in the property hosted by registered hosts. |
| Software Requirements Specification (SRS) | A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document. |
| Stakeholder | Any person with an interest in the project who is not a developer. |

## 1.3. References

IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.

**Chapter 2**

About the System

* 1. **About BookWithMe**

BookWithMe is an online platform for renting properties. BookWithMe helps homeowners to rent their spare rooms or entire property for about just days, weeks or months. ***BookWithMe*** will benefit homeowners to generate passive income on the their property which they no longer use. ***BookWithMe*** allows ***Non Registered Users*** to explore properties which are hosts by the ***Registered Hosts.*** The ***Registered Users*** can book properties for pre-specified period of time on location provided where ***BookWithMe*** has properties registered by ***Registered Hosts***. ***BookWithMe*** benefits the users as it is cheap compared to booking a motel and the service is excellent.

## 1.2. Scope of Project

This software system will be an Online rental System. This system will be designed to minimize the renter’s tariff per rental booked as compared to the booking rates of motels and to maximize the earnings of the property owner who allow Registered Users to book their property for some time. The system does this by automating the management of property, bookings and credentials of hosts, users and properties which would otherwise have to be performed manually. The ***registered users*** are allowed to book the property made available by the ***registered hosts***, manage bookings (viewing booking details, deleting booking and managing bookings).The ***registered users*** can also manage their credentials, view property booked by them in the near past, make new bookings and view the specifications of the property booked by them or the property they intend to book. ***Registered users*** can also filter the property they search on the basis of hoe good a property is rated by others (filter properties by popularity), filter properties by certain class of property provided by the hosts (BookWithMe plus, entire home, boutique rooms and Unique homes.) and also filter property by the ascending order on the rates of rental per night. BookWithMe also implements a Review system which stores reviews and ratings given by the ***registered users*** to the property and the service of the ***registered host*** who host the property. This reviews made by the ***registered users*** are never deleted by the user and hosts. The review system is effective for honest feedback by the registered users. ***Registered hosts*** can make their property available for pre-specified period of time for the ***registered users*** to rent. ***Registered hosts*** can host property for booking, manage credentials, manage properties, extend/ delete bookings and make their properties unavailable for the renters. ***Non registered*** users can become registered users and registered hosts on successfully registering themselves for the same. ***Non registered users*** can only explore the properties available to rent but cannot book one. ***BookWithMe*** is a paid service. There is a one time fee for becoming registered users and registered hosts. The registered hosts have to pay pre-specified amount to the admin on every booking a registered user makes by using this platform. Also there is a booking cancellation fee for paid booking.

**Chapter 3**

Analysis

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## 3.1 System Environment

Author

Reader

Editor

HS DB

Online Journal

Article Manager

Web Publishing System

Reviewer

BookWithMe an Online Rental System has four active actors and one cooperating system.

The Author, Reader, or Reviewer accesses the Online Journal through the Internet. Any Author or Reviewer communication with the system is through email. The Editor accesses the entire system directly. There is a link to the (existing) Historical Society.

## 3.2 Functional Requirements Specification

## Use Case Diagram

## Figure-2. Use case diagram for BookWithMe

## 

This section outlines the use cases for each of the active actors separately. The actors for this system are Registered Hosts, Registered Users, Admin and Non registered sers.

### 2.2.1 Admin use case

#### Use case: Manage registered users, registered hosts, properties and bookings

**Brief Description**

The admin manages the registered users, registered hosts, properties hosted by the registered hosts and the bookings made by the registered users. The admin also manages the payments by registered hosts and registered users for becoming member and leveraging the service provide by the system, payments made by the registered user on every bookings and payments on cancellation of the bookings by the registered users.

**Additional Description**

Before this use case can be initiated, the Admin has full access the credentials of the registered users and registered hosts. Admin has also access to the payments made by both the registered users and registered hosts.