

ABSTRACT

The main purpose of this Online Bike Rental Portal is to provide a platform for the users to book bikes online with an efficient management system which can manage details of the customers. The main aim is to eliminate the manual work by automation. This system increases customer retention and simplifies vehicle and staff Management in an efficient way. The required software and hardware are easily available and easy to work with.

Online Bike Rental System, as described above, can lead to error free, secure, reliable management system, which will help in better utilization of resources. This system can maintain computerized records without redundant entities.

TABLE OF CONTENTS

Acknowledgement	i
Abstract	ii
Table of Contents	iii
List of Figures	iv
List of Tables	v
Chapter 1 INTRODUCTION	
1.1 Overview	1
1.2 Problem Statement	1
1.3 Web Technologies	1
1.3.1 HTML5	2
1.3.2 CSS	3
1.3.3 JavaScript	6
1.4 Database Management System	9
1.5 SQL	11
Chapter 2 RESOURCE REQUIREMENTS	
2.1 Functional Requirements	12
2.2 Non-Functional Requirements	12
2.3 Software and Hardware Requirements	13
2.4 Technology Stack	13
Chapter 3 DETAILED DESIGN	
3.1 System Design	14
3.2 Entity Relational Diagram	15
3.3 Flow Diagram	16
3.4 Description of Tables	18
Chapter 4 IMPLEMENTATION	
4.1 Modules and their roles	20
Chapter 5 TESTING	
5.1 Software Testing	25
5.2 Module Testing and Integration	25
Chapter 6 SNAPSHOTS	26
Chapter 7 CONCLUSION	31
Chapter 8 FUTURE ENHANCEMENTS	32
Chapter 9 REFERENCES	33

LIST OF FIGURES

1.1	HTML5 APIs and related technologies taxonomy and status	2
1.2	Taxonomy and status of CSS3 modules	5
3.1	Online Bike Rental System	14
3.2	ER Diagram for the Bike Rental System Database	15
3.3	Flow Diagram for Online Bike Rental System	16
6.1	Home Page	26
6.2	Registration Page	26
6.3	Login Page	27
6.4	How It Works Page	27
6.5	Bike List Page	28
6.6	Bike Details Page	28
6.7	About Us Page	29
6.8	Reviews Page	29
6.9	Admin Login Page	30
6.10	Admin Dashboard Page	30

LIST OF TABLES

3.4.1	Admin Table	18
3.4.2	Bookings Table	18
3.4.3	Users Table	18
3.4.4	Bikes Table	19