**Software Requirements Specification**

for

**CABIFY**

Version 1.0 approved

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1. Introduction

1.1 Purpose

The purpose of this document is to present a detailed description of Cabify, an online cab booking

software. Cabify is an E­commerce website for cab booking . This Software Requirement

Specification will illustrate the purpose and complete declaration for the development of system.

It will also explain system constraints, interface and interactions with other external

applications. This document is primarily intended to be proposed to a customer for its approval

and a reference for developing the first version of the system for the development team.

1.2 Document Conventions

This document follows the IEEE Software Requirement Specification format. The main topic

are written in bold letters and whole numbered while the subtopics are decimal numbered. The

glossary presents the entire list of acronyms used in the document. This document is written

using Times New Roman font and 12 font size.

1.3 Intended Audience and Reading Suggestions

This document is intended for customers, software managers, software developers and Software

Engineering course instructor Miss Raksha Nadgir. The remainder of this document includes four

chapters and appendixes. The second one provides an overview of the system functionality and

system interaction with other systems. This chapter also introduces different types of

stakeholders and their interaction with the system. Further, the chapter also mentions the system

constraints and assumptions about the product. The third chapter provides the requirements

specification in detailed terms and a description of the different system interfaces. Different

specification techniques are used in order to specify the requirements more precisely for different

audiences. The fourth chapter presents the functional requirements and the fifth mentions the

non­functional requirements. The glossary in Appendix A will provide the meanings for all

abbreviations used in the document.

1.4 Product Scope

The software system being developed is called Cabify. Cabify is an e­commerce

website which provides a platform for users to book cabs.

Cabify will maintain a catalog of available cabs. The system allows the users to browse,

search the catalog, select location, select the vehicles, check fare, book the cab and also provide

feedback. The users can register with their personal details. The booked cabs will be sent to the user’s

address. The customer can also view his profile and booking history.

It should also provide special administrative rights to the admin to manage the inventory with CRUD

(Create, Retrieve, update, delete) functionality with regard to cabs in the system and to keep

the system accurate.

The purpose of this Cabify is to provide the customers an easy-­to-­use application to book

cabs. Above all, we hope to provide a comfortable user experience along with the best pricing available.

1.5 References

IEEE Software Engineering Standards Committee, “IEEE Std 830­1998, IEEE Recommended

Practice for Software Requirements Specifications”, October 20, 1998.

2. Overall Description

2.1 Product Perspective

E­commerce is fast gaining ground as an accepted and used business paradigm. The objective of

this project is to develop a general purpose e­commerce application for booking cabs. The

user is also provided an option to rate the service provided. The web application will maintain the

information of users and admins.

2.2 Product Functions

Cabify is an online cab booking website which supports a number of functions for both customers and

administrators. Each of the function is listed below :

Maintain data associated with the cabs

◦ Title, Owner, Driver, Vehicle Registration Number, Types, AC or non-AC

Maintain records of each customer

◦ User name, First Name, Last Name, Password, Address, City, State, Zip, Email ID, Phone No, Account Balance

Allows new users to register

Allows customers and administrators to log in and out of the system

Display the catalog of available cabs

Provide the search result for cabs based on the location of the customer

Customers are allowed to pre book the cabs for long distance journey

Provide acknowledgement to the customers after booking the cab.

Maintaining the profile and booking history of each customers.

The users can cancel the booking within a certain duration of the time.

2.3 User Classes and Characteristics

2.4 Operating Environment

Operating environment for the Book Store is as listed below.

Operating System: Windows, Linux

Internet access

Web browser

2.5 Design and Implementation Constraints

2.6 User Documentation

2.7 Assumptions and Dependencies

3. External Interface Requirements

3.1 User Interfaces

3.2 Hardware Interfaces

3.3 Software Interfaces

3.4 Communications Interfaces

4. System Features

4.1 System Feature 1

4.1.1 Description and Priority

4.1.2 Stimulus/Response Sequences

4.1.3 Functional Requirements

REQ-1:

REQ-2:

4.2 System Feature 2 (and so on)

5. Other Nonfunctional Requirements

5.1 Performance Requirements

5.2 Safety Requirements

5.3 Security Requirements

5.4 Software Quality Attributes

5.5 Business Rules

6. Other Requirements

Appendix A: Glossary

Appendix B: Analysis Models

Appendix C: To Be Determined List