SOFTWARE REQUIREMENT SPECIFICATION

FOR

ONLINE CAB BOOKING SYSTEM.

Prepared By

MUKKA SAIPRIYA

Proposed To

GEETHANJALI ANBALAGAN

10-03-2022

1.INTRODUCTION

* 1. Purpose:

The purpose of this document is to specify the requirements for the initial version of the Online Cab Booking. The aim is to get a simple version of the system working to evaluate the system design and performance aspects. And it provides the cab booking details, billing, and cancellation on various types of booking.

* Confirm Booking
* Online Booking
* Phone Booking
  1. Scope:

This project’s aim is to automate the system, calculating the fare, booking the cab, collecting all necessary information of the cab client and then serve the client. This enables things to be simplified and considerably quickened, making the jobs of the people involved easier. It supports the current process but centralizes it and makes it possible for decisions to be made earlier and easier way.

* 1. Definitions: OCB (Online Cab Booking) SRS (Software Requirements)

1.4 OVERVIEW:

This system provides an easy solution for customers to book the cab from their homes without going anywhere and the cab will also come to their homes. This system is used in all places wherever we go this system is there.

**2. Overall Description:**

**The Online Cab Booking (OCB) System is a product to handle all cab booking from a Handset (Mobile device). This system has 3 major modules:**

* **Operator Module: For driver registration process and 24/7 customer support.**
* **Passenger Module: Android application to book cab, pay fare, track driver who picks up him/her for journey.**
* **Driver Module: Android application which shows a booking placed by passenger.**

**2.1 Product Perspective:**

**This service is made for people who don’t want to go out because of this they people can book the cab from their homes. And it also helps to lot of people to book the vehicle easily. And it also had pre booking availability.**

SYSTEM

CONTROLLER

CUSTOMER

DRIVER

TAXI BOOKING SYSTEM

**3.SPECIFIC REQUIREMENTS**

**FUNCTIONAL REQUIREMENTS:**

**The Functional requirements for online cab booking system necessitates a visually appealing design and a user friendly interface. To appeal to the target market, an application should be well defined, with a strong emphasis on design and user interface, as well as being user friendly.**

* **User-Guide: The user should come across the well-defined user guide when launching for the**

**First time. It should encompass all aspects of the program and make it simple for the user to complete the task.**

* **Effortless sign-up process**

User-Centric Booking: The app should take the user to the home screen when they have completed the user registration procedure, where they can choose their own ride.

**In a cab booking procedure, there are a few noteworthy points that should be present**

1. **Enter a pickup location using the search tool.**
2. **GPS is used to determine where you are right now.**
3. **View the selected location on a detailed map.**

* **Booking Flexibility**
* **Various Payment Gateways**

**NON FUNCTIONAL REQUIREMENTS:**

**The system has several requirements not relating to a certain function of the system. The list below deals with the issues. And it also available 24/7.**

* **Driver integrity**
* **User integrity**
* **Usability**
* **Robust**
* **GPS**
* **Response time**
* **Quality**
* **Capacity**
* **Maintenance**

**4.PERFORMANCE TESTING:**

**Performance Testing is designed to test run time performance pf software within the context of an integrated system. Performance Testing occurs throughout all steps in the testing process. Performance tests are often coupled with stress testing and often require both hardware and software instrumentation. That it is often necessary to measure resource utilization in an exacting fashion. External instrumentation can monitor execution intervals, log events as they occur, and sample machines take on a regular basis. By instrumenting a system the tester can uncover situations that lead to degradation and possible system failure.**

**5.CONCLUSION:**

**Information Technology plays vital role not only in a particular field, it provides various problems prevailing in many fields. Cabs exploits information technology in an efficient way for providing better passenger services. The online booking system helps to solve the every problems for lots of people.**