SMARTPHONE AND WEB BASED PLATFORM FOR AUTHENTICATED CAB BOOKING SYSTEM

DAMERA SAMMAIYA,

Assistance Professor,

Department of Computer Science and Engineering,

D CHANDRA SEKHAR NAYAK

Associate Professor,

Department of Electronics and Communications Engineering,

Siddhartha Institute of Technology and Sciences,

Narapally, Hyderabad, Telangana – 500 088.

ABSTRACT

The Smart Transportation Arranger is a piece of software that helps you plan your trip. The Online Cab Booking work comprises developing an online system that allows users to book taxis whenever they want. The existing system is inefficient and takes a long time to complete. It's also inefficient, with a low and diminishing average return. Because we value customer happiness, we provide clients the option of booking a taxi by entering information such as the day and time of their journey, the origin, pick-up point, destination, and drop-off location. Cabs may be hired using an online reservation system. Customers can use this online system to find available taxis, register cabs, view profiles, and book cabs. Cab booking is a typical mode of transportation that is offered by a number of different transportation firms in a particular city. The bulk of people rely on taxi services for their daily transportation needs. The company must be registered and fulfil all of the transportation department's requirements and security requirements. The Online Cab Booking System is a web-based platform that allows your customers to order taxis and executive cabs from their own home or office. The platform should have an administration interface via which the taxi company may manage the content and access all reservations and client information.

I. INTRODUCTION

The objective and scope of my project Online Cab Hiring System is to record the details various activities of user. It will simplify the task and reduce the paper work. To produce a web-based system that allow customer to register and reserve cab online During implementation every user will be given appropriate training to suit their specific needs. Specific support will also be provided at key points within the academic calendar. Training will

be provided on a timely basis, and you will be trained as the new is Cab Hiring System rolled out to your area of responsibility.

The goal and scope of my project, Online Cab Hiring System, is to keep track of the user's varied activities. It will make the process easier to complete and lessen the amount of paperwork required. Create a web-based system that allows customers to register and book taxis online. During deployment, each user will receive customised training tailored to their needs. At important moments throughout the academic year, additional assistance will be offered. You will be trained when the new Cab Hiring System is pushed out to your area of responsibility, and you will be trained on a timely basis.

II. RELATED WORKS

Authors investigated the tradeoff between statistical database privacy and usability. Our major contribution is a polynomial data reconstruction approach using noisy (perturbed) subset sums. Using this reconstruction approach on statistical datasets, we show that adding a perturbation of magnitude (n) is required to achieve privacy. Smaller perturbations, in other words, always result in a significant invasion of privacy. We demonstrate the tightness of this conclusion by demonstrating access methods for statistical databases that maintain privacy while adding disturbance of size O(n). We show a privacy-preserving access technique for time-T bounded adversaries.

Authors continue a line of research on privacy-preserving statistical databases that began. Consider a trustworthy server that houses a sensitive data database. The so-called true answer is the outcome of applying f to the database, given a query function f translating databases to reals. To safeguard the user's privacy, the genuine answer is tampered with by adding random noise created according to a carefully determined distribution, and the result, the true answer plus noise, is delivered to them.

This research suggests a novel multidimensional model that offers a level of flexibility not before seen in (single-dimensional) techniques. This flexibility frequently leads to higher-quality anonymizations, as assessed by both broad metrics and more precise ideas of query answerability. It is NP-hard to achieve optimal multidimensional anonymization.

III. PROPOSED SYSTEM

MODULES:

- City module
- Area Module
- Taxi Module
- Driver Details

- Booking Module

city module:

This is the initial section of the project. The city information is contained in this module. There are various regions in the city. When you click the, the id to area module appears. This module retrieves city data from a database. The database contains all of the information on the city. Every piece of data should be fetched from the database.

Area:

This module is part of the city module. This module loads the city's area. This module provides all of the information on the area. It covers a wide range of topics. Areas are defined by a certain city.

Taxi Module

When a user clicks on a specific region, the website is moved to the taxi module. This module contains information on taxis. This website displays the number of taxis available in a certain location. Then there's the taxi's name and the driver's information on this page. The driver's information includes his or her name, phone number, and address.

Booking Module

This is the final module of this project. Users can enter their source and destination information in this module. It also offers information about the driver. Then there was the ability to book and cancel. If a user need a cab, they should select the book option. The SMS will then be sent to that specific Driver.

Testing software without knowing the inner workings, structure, or language of the module being tested is known as black box testing. Black box tests, like most other types of tests, require a definite source document, such as a specification or requirements document.

It's a type of testing in which the programme being tested is treated as if it were a black box. It is impossible to "look" into it. The test accepts inputs and responds to outputs without taking into account how the software functions. Unit testing is commonly done as part of a combined code and unit test phase of the software development lifecycle, however it is not unusual for coding and unit testing to be done separately.

IV. RESULT AND DISCUSSION

SYSTEM REQUIREMENTS:

HARDWARE REQUIREMENTS:

- System: Pentium IV 2.4 GHz.
- Hard Disk   : 40 GB.
- Floppy Drive : 1.44 Mb.
- Monitor   : 15 VGA Colour.

- Mouse   : Logitech.
- Ram   : 512 Mb.

SOFTWARE REQUIREMENTS:

- Operating system   : - Windows XP.
- Coding Language   : Java
- Data Base   : MYSQL

Methodology and plan for testing

Field testing will be done by hand, and functional tests will be meticulously documented.

Objectives of the test

• All field entries must function correctly.

• The indicated link must be used to activate the pages.

• There must be no delays in the entering screen, messages, or answers.

Features to be evalauted

• Double-check that the entries are in the proper format.

• There should be no duplicate entries permitted.

• All links should go to the proper page for the user.

Integrity Checking

Software integration testing is the process of testing two or more integrated software components on a single platform to simulate failures caused by interface problems. The purpose of the integration test is to guarantee that components or software applications, such as those found in a software system or – a step above – software applications at the corporate level, perform seamlessly together.

All of the above-mentioned test situations were found to be successful. There were no flaws discovered.

V. CONCLUSION

Customers can rent taxis using an online reservation system. Customers may browse available taxis, see profiles, and book cabs using this online system. Taxi booking is a common kind of transportation that is provided by a variety of transportation companies in a given city. The majority of individuals use taxi services to get about on a daily basis. The firm must be registered and meet all security and transportation department criteria. An efficient taxi booking system is demonstrated in this research. This work encompassed a wide range of topics, from business ideas to computer science, and it needed the completion of numerous courses to complete.

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