

**P.E.Society’s**

**MODERN COLLEGE OF**

**ARTS, SCIENCE & COMMERCE.**

**(Business Administration Campus),**

**SHIVAJI NAGAR, PUNE 411005.**

**Cab Service Management System**

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**Project Guide**

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**SYNOPSIS**

**EXISTING SYSTEM**

In the existing system the case details are maintained manually. The application details employee details, driver details, car details, customer details etc. Are maintained manually. The study of the existing system revealed that the system has several drawbacks.

**Limitations:**

* The existing system has no security measures.
* The system does not have any reports and thus did not help management in decision-making.
* The case information’s per day is unable to find.
* It’s time consuming.
* Chances for errors because the data are maintained manually.
* Existing system uses different system to maintain employee, drivers, cars and customer data
* Coordination with customer is manually so can’t reach toward all customer’s directly.

**PROPOSED SYSTEM**

The proposed system is computerized one, in which time is greatly reduced. Since this is a computerized one there will be no chances of human error to encounter. In the proposed system there will be a lot of improvement in the quality, speed and efficiency. This system is all in one because in proposed system cab service agency can maintain employee’s and drivers data as well. Since it is user friendly any one can operate individually. Also it does not contain paper usage as compared to Existing System.

**Design Specification (DFD & ERD)**

**Context Level(0 Level) DFD :**

Generate receipt

Attendance report

Cab, package and driver details

Customer details report

Employee and driver attendance

Employee details

0

Cab Service Management System

Reports

Reports

Admin

Employee

Confirm Booking

Pay to employee and driver

Payment

Booking details

Generate salary slip

Customer details

Received receipt

Booking confirmation

Booking details

Payment

Customer/Visitor

**Level 1 DFD :**

1.0

Cab

Cab details

Cab Details

Employee

Conformation

Add Cab

Conformation

Updated cab details

2.0

Employee

Edit/Delete Cab

Updated cab details

Cab

Cab details edited/deleted

Cab details edited/deleted

Log details

Log details

3.0

Cab details

Cab Log

Employee

Cab

Cab log report

Driver details

Driver details

Driver

4.0

Conformation

Conformation

Employee

Add Driver

Updated driver details

Updated driver details

5.0

Driver

Edit/Delete Driver

Employee

Driver details edited/deleted

Driver details edited/deleted

Driver

Employee

3.0

.0

Log details

6.0

3.0

.0

Log details

Driver log report

Driver details

Driver Log

Employee details

Employee details

7.0

3.0

.0

Admin

Employee

3.0

.0

Add Employee

Conformation

Conformation

Driver details edited/deleted

Driver details edited/deleted

Edit/Delete Employee

Admin

3.0

.0

8.0

3.0

.0

Updated employee details

Updated employee details

Employee

Employee details

Employee log report

9.0

3.0

.0

Admin

3.0

.0

Employee

Employee Log

Log details

Log details

Booking confirmation

Booking confirmation

10.0

3.0

.0

Booking

Employee

3.0

.0

Booking process

Booking details

Booking details

Booking log report

Booking details

11.0

3.0

.0

Booking

Employee

3.0

.0

Booking Log

Log details

Log details

Attendance saved message

Attendance saved message

12.0

3.0

.0

Employee attendance

Employee Attendance

Admin

3.0

.0

Attendance details

Attendance details

Attendance saved message

message

Attendance saved message

13.0

3.0

.0

Driver attendance

Driver Attendance

Employee

3.0

.0

Attendance details

Attendance details

Employee attendance log report

Employee attendance details

14.0

3.0

.0

Employee attendance

Employee Attendance Log

Admin

3.0

.0

Log details

Log details

Log details

Log details

Driver attendance

Driver Attendance Log

t

15 .0

3.0

.0

Driver attendance log report

Driver attendance details

Employee

3.0

.0

Admin

3.0

.0

Employee Payment

Payment details

Payment details

16.0

3.0

.0

Employee payment details

Payment receipt

Employee Payment

Employee payment details

Employee salary log report

17.0

3.0

.0

Employee Payment

Admin

3.0

.0

Employee Salary Log

Log details

Log details

Driver payment details

Payment receipt

18.0

3.0

.0

Driver Payment

Admin

3.0

.0

Driver Payment

Payment details

Payment details

Driver payment details

Driver salary log report

19.0

3.0

.0

Admin

3.0

.0

Driver Payment

Driver Salary Log

Log details

Log details

Log details

Log details

20.0

3.0

.0

Customer log report

Customer details

Customer

Employee

3.0

.0

Customer Log

Login details

Login details

21.0

3.0

.0

Home

Login

Customer/Visitor

Access of booking

Access of booking

Customer details

Customer details

22.0

3.0

.0

Customer/Visitor

Customer details

Customer

Confirmation

Confirmation

Request

Request

Customer/Visitor

23.0

3.0

.0

Cab details

Cab details

Cab

Fleets

Request

Request

24.0

3.0

.0

Package details

Package details

Customer/Visitor

3.0

.0

Package

3.0

.0

Packages

Confirmation

Confirmation

25.0

3.0

.0

Package

3.0

.0

Employee

3.0

.0

Add Packages

Package details

Package details

Package details edited/deleted

26.0

3.0

.0

Package details edited/deleted

Package

3.0

.0

Edit/Delete Packages

Updated package details

Updated package details

Employee

3.0

.0

Employee

3.0

.0

Confirmation

Confirmation

27.0

3.0

.0

Enquiry

Customer/Visitor

3.0

.0

Enquiry

Enquiry details

Enquiry details

Payment receipt

Payment details

28.0

3.0

.0

Customer Payment

Customer/Visitor

Payment Gateway

Payment details

Payment details

Confirmation

Confirmation

29.0

3.0

.0

Customer/Visitor

Customer Feedback

Feedback details

Feedback details

Feedback

**ER Diagram :**

**D\_mobile**

**Driver\_ID**

**D\_addr**

**D\_name**

**D\_licence\_no**

**Driver**

**E\_Designation**

**M**

**Drive**

**E\_name**

Manager

Manager

**E\_addr**

**E\_ID**

**E\_Mobile**

**Manage**

**1**

**M**

**M**

**EMPLOYEE**

**CAB**

**1**

**Buying\_date**

**E\_email**

**M**

**Rgs\_no**

**Cab\_ID**

**Handle**

**No\_of\_passenger**

Manager

**Hire**

MEMBERS

**B\_id**

**M**

**M**

**1**

**Can Do**

**Booking**

**1**

M\_ID

**CUSTOMER**

**C\_email**

**B\_amount**

**B\_type**

**C\_addr**

MEMBERS

**C\_ID**

**C\_mobile**

**No\_of\_persons**

**C\_name**

**FORM DESCRIPTION**

1. **Add Cab :-** In this page user can add cab details. This page can access by admin and employee**.**
2. **Edit/Delete Cab :-** In this page user can edit/delete cab details. This page can access by the admin and employee.
3. **Cab Log** :- In this log/report all the details of cabs which are available in particular cab service agency are maintain. This page can access by the admin and employee.
4. **Add Driver :-** In this page user can add Driver details. This page can access by the admin and employee.
5. **Edit/Delete Driver :-** In this page user can edit/delete driver details of particular cab service agency. This page can access by the admin and employee.
6. **Driver Log** :- In this log/report all the details of drivers which are working in particular cab service agency are maintain. This page can access by the admin and employee.
7. **Add Employee :-** In this page user can add employee details. This page can access only by admin.
8. **Edit/Delete Employee :-** In this page user can edit/delete employee details. This page can access by admin.
9. **Employee Log** :-In this log/report all the details of employee which are working in particular cab service agency are maintain. This page can access by the admin.
10. **Booking Process** :- In this page customer’s booking will display and admin/employee will process for that booking this page can access by admin and employee.
11. **Booking Log :-** In this log/report all the details of booking’s which are done in particular cab service agency are maintain. This page can access by the admin and employee.
12. **Employee Attendance :-** Attendance of employee’s is maintain in this page. Only admin can access this page.
13. **Driver Attendance :-** Attendance of driver’s maintain in this page. Only admin can access this page.
14. **Employee Attendance Log :-** In this page attendance log is maintain for the salary paid to employee. This page is accessed by only admin.
15. **Driver Attendance Log :-** In this page attendance log is maintain for the salary paid to driver. This page is accessed by only admin.
16. **Employee Payment** :- It’s payment gateway for salary payment of employee. This page can access by only admin.
17. **Employee Salary Log :-** In this page log/report of salary paid to employee is maintain. The access for this page is only for admin.
18. **Driver Payment** :- It’s payment gateway for salary payment of driver. This page can access by only admin.
19. **Driver Salary Log :-** In this page log/report of salary paid to driver is maintain. The access for this page is only for admin.
20. **Customer Log** :- In this page log/report of all the customers who received cab service from the cab service agency. Admin and employee can access this page
21. **Home** :- This is the main page of this web site. Any visitor can access by this page.
22. **Customer Details** :- This page include form which have to fill by customer for the record. Any visitor can fill this form.
23. **Fleet** :- This page include all the information about all the cab’s which are available in particular cab service agency. Any visitor can access by this page.
24. **Packages** :- This page maintain all the packages details provided by cab service agency. Any visitor can access by this page.
25. **Add Package** :- In this page user can add package details. This page can access by the admin and employee.
26. **Edit/Delete Package** :- In this page user can edit/delete packages details of particular cab service agency. This page can access by the admin and employee.
27. **Enquiry** :- This page include enquiry form for the any visitor who want to know something more about cab service agency or there service’s.
28. **Payment Gateway** :- It’s a payment gateway for visitor to pay for service to cab service agency.
29. **Customer Feedback** :- This page include feedback form which have to fill by customer for the future enhancement. Any visitor can fill this form.

**FUTURE ENHANCEMENT**

Every application has its own merits and demerits. The projects has covered all the requirements. Further requirement and improvement can easily done since the coding is mainly structured for this project. Changing the existing modules or adding new modules can be a improvements. In future the system not only access by admin, customer and employee but also access by drivers by that agency will required less manpower and less time to do work. Security of system will also enhance by providing appropriate authentication to appropriate user. GUI will also be good in future.

**SOFTWARE REQUIREMENT**

**Front-end :-** Visual Studio Code 1.62.2

Bootstrap 5.1

**Back-end :-** Wamp Server 3.2.6

MySQL 5.6

**HARDWARE REQUIREMENT**

* **Processor :-** Dual Core Processor Minimum
* **Operating System :-** Windows XP OS Minimum
* **RAM :-** 2 GB Minimum
* **Hard Disk :-** 5 GB Minimum