CSE 311 Project Proposal

Group: D

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1 Introduction

Employees are the foundation of every company, and an appropriate employee management strategy for an organization makes a huge difference. An employee management system is a forum where all employees' work-related and relevant personal data are processed and handled safely. Through using this method, admin tasks can be handled more easily and rapidly. To maintain a company's reputation, it has to know more about the employee services towards their customer. So in this course, we propose a database project that may help an organization like Uber keep track of its employees and quickly get the best employee of the year.

2 Objectives

- To create an Uber driver record carrying the details of each driver.
- Replace the traditional paper based drivers license for better preservation of data.
- Creating a database of cars owned by their drivers or owners for better authority related queries.
- Database on the vehicles details such as number,color and model.
- Can detect the low ratings and identify as them as complaints with the additional comment box, maintaining security and assuring the safety of the customers
- Can detect the driver with the highest rating based on the number of tips and average rating and nominate him/her as the employee of the year.
- Can appoint new Uber drivers.
- Can fire/discharge Uber drivers.

3 Database Service provider

This database model can be successfully implemented by a country's ride sharing company. Since the database is meant to be an information provider of employees, it can benefit the drivers and even the customers and car owners in terms of security and time convenience.

4 Target Users

- Manager who is in charge of appointing new Uber Drivers.
- Manager who is in charge of firing Uber Drivers.
- Manager who is in charge of nominating or selecting the Uber Driver of the year.
- Manager who is in charge of monitoring each rides disciplinary and security issues.
- Manager who is in charge of handing out salaries.

5 Value Proposition

This database is supposed to replace the manual paper based records. Such as drivers liscence, national identity card(NID), owners details, vehicle's papers etc. If a customer wants to complain about a driver she/he can do it and the manager will be able to get all the past detail about that specific driver and take necessary actions. Also if the manager wants to select the Uber Driver of the year. The database will allow only Organizations executives, managers to update and record a drivers details and history. So information will be safely preserved.

6 Database features and description

This database will store the drivers NID number along with a special unique number chronologically given by the company that will help the company employees identify them even faster. Also this will be convenient for the vehicle owners as they can keep track of their drivers. Also the company executives can acquire all the data about a driver his vehicle also about his owner. This will also give assurance to the customers who will be using this ride sharing app

7 Tools and Resources

- HTML
- CSS
- Javascript
- myPHP
- mySQL
- Bootstrap
- xampp

8 Challenges

A challenge that we perceive at this moment is that somehow we have to implement multiple login screens. One for the organization employees(Administrators), And one free to use portal where a customer may leave ratings and comments (also complains) about a specified driver without signing up. I may not be able to implement all the ideas also the ideas might not seem to be perfect to be applied in a real life scenario. We initially proposed. Since the proposal is made before my complete knowledge of mySQL, javascript and bootstrap, We may find some of our ideas difficult to implement. Also using different new software maybe challenging. Creating a good entity relationship model to cover all the relations will make the database most effective. So creating a good ER model will also be a challenge.