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**PORTFOLIO :**

**LEETCODE** : https://leetcode.com/u/prithisharavi/

**VEHICLE PREBOOKING APPLICATION**

**PRODUCT NAME** :EASYCHOICE

**TABLE NAMES**  :USERS,VEHICLE,BOOKING

Relation = users(user id)

Domain = INT

Attribute =user id

Constraint = PRIMARY\_KEY,AUTO\_INCREMENT

TUPLE =1011

CONTRIBUTION = Stores and manages information about all users (customers and admins)

**NORMALISATION**

**(INTEGRITY,REDUNDANCY**)

1NF,2NF,3NF,4NF,5NF

(USER LOGIN(MASTER TABLE),VEHICLE,BOOKING)

**1NF =USER LOGIN**

* There is a column named customer id which is a primary key and 1NF

**2NF = BOOKING**

* No partial dependencies

**3NF =VEHICLE**

* No transitive partial dependencies

3NF(student id,name,job id,job name,native place id,native place)

1NF

* Student id can be the primary key

2NF

* Student role table (columns = student id,job id)
* Student table(columns = student id,name,native id,native place)
* Job table (columns = job id,job name)

3NF

* Student table(columns=student id,name,native id)
* Job table(job id,job name)
* Native table(native id,native place)

**CREATE,INSERT AND DELETE**

USERS

CREATE TABLE Users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100),

email VARCHAR(100) UNIQUE,

password VARCHAR(100),

role ENUM('Admin', 'Customer')

);

**JOINS**

BOOKING,VEHICLE(JOINS)

**INNER JOIN**

SELECT

b.booking\_id,

b.booking\_date,

b.status AS booking\_status,

v.vehicle\_name,

v.vehicle\_type,

v.price,

v.availability\_status

FROM

Bookings b

INNER JOIN

Vehicles v ON b.vehicle\_id = v.vehicle\_id;

**PCDATA,CDATA**

PCDATA(PARSED CHARACTER DATA)

CDATA(CHARACTER DATA)

DTD

<!ELEMENT LOGIN EMPTY>

<!ATTLIST LOGIN TIMEOUT CDATA”0”)

XML

<LOGIN TIMEOUT = 10></LOGIN>

**FRONTEND**

* HTML
* CSS
* TELLWIND CSS
* REACTJS
* FLASK

**BACKENED**

* MYSQL
* ORACLE
* JSON
* MONGODB

**LANGUAGE**

* PYTHON
* PHP

**FRAMEWORK**

* XAMPP FRAMEWORK

APP DEVELOPER

**FRONTEND**

* ANDROID
* FLUTTER

**BACKEND**

* SQL LITE
* FIREBASE

FULLSTACK AI ENGINEER

* XAI

**DISTRIBUTED DBMS**

|  |  |  |
| --- | --- | --- |
| **MODULE NAME** | **SUBMODULE NAME** | **DESCRIPTION** |
| Booking management | Create booking | Allows users to select an available vehicle,choose a date/time and submit a booing request |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUBMODULE NAME** | **FORM NAME** | **DESCRIPTION** | **TABLE NAME** | **TABLE DESCRIPTION** |
| Create booking | book\_vehicle.php | Allows users to select an available vehicle,choose a date/time,and submit a booing request | bookings | Stores booking details including user ID, vehicle ID, date, time, and status |