**name :Nivetha RT**

**roll no :927623bad071**

**email :** [**nivethatamil0005@gmail.com**](mailto:nivethatamil0005@gmail.com)

**mobile no :8072484727**

**sites.google.com**

**github url : https://github.com/Nivetha620**

**portfolio :**

**leetcode : https://leetcode.com/u/NivethaTamil/**

**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** |