**Database Normalization**

**User Address**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint (20) | PRIMARY KEY (PK) |
| total\_distance | varchar(25) |  |
| ETA | varchar(25) |  |
| lat | varchar(50) |  |
| lang | varchar(50) |  |
| street\_number | varchar(50) |  |
| route | varchar(25) |  |
| locality | varchar(70) |  |
| administrative\_area\_level\_1 | varchar(25) |  |
| administrative\_area\_level\_2 | varchar(25) |  |
| Formatted\_address | varchar(100) |  |
| country | varchar(50) |  |

**User Info**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint(20) | PRIMARY KEY (PK) |
| first\_name | varchar(50) |  |
| middle\_name | varchar(50) |  |
| last\_name | varchar(50) |  |
| birthday | varchar(50) |  |
| gender | varchar(50) |  |
| contact\_number | varchar(50) |  |
| profile\_img | varchar(100) |  |
| valid\_id | varchar(100) |  |

**Users**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| id | bigint(20) | PRIMARY KEY (PK) |
| email | varchar(50) |  |
| user\_info\_id | bigint(20) | FOREIGN KEY (FK) |
| user\_address\_id | bigint(20) | FOREIGN KEY (FK) |
| email\_verified\_at | timestamp |  |
| password | varchar(80) |  |

**Categories**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| id | bigint(20) | PRIMARY KEY (PK) |
| icon | varchar(50) |  |
| category | varchar(50) |  |

**Partners**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| id | bigint(20) | PRIMARY KEY (PK) |
| user\_id | bigint(20) | FOREIGN KEY (FK) |
| request\_date | datetime |  |
| approval\_date | datetime |  |
| status | timestamp |  |

**Stores**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint(20) | PRIMARY KEY (PK) |
| name | varchar(50) |  |
| partner\_id | bigint(20) | FOREIGN KEY (FK) |
| user\_id | bigint(20) | FOREIGN KEY (FK) |
| description | varchar(50) |  |
| logo | varchar(50) |  |
| banner\_image | varchar(50) |  |
| address | varchar(100) |  |
| week\_days\_opening | varchar(100) |  |
| week\_days\_closing | varchar(100) |  |
| week\_end\_opening | varchar(100) |  |
| week\_end\_closing | varchar(100) |  |
| approval\_status | varchar(100) |  |
| opening\_status | varchar(100) |  |

**Product Info**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint(20) | PRIMARY KEY (PK) |
| name | varchar(50) |  |
| description | varchar(100) |  |
| image | varchar(100) |  |
| price | varchar(60) |  |
| quantity | varchar(20) |  |
| category\_id | bigint(20) | FOREIGN KEY (FK) |

**Product**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint(20) | PRIMARY KEY (PK) |
| store\_id | bigint(20) | FOREIGN KEY (FK) |
| product\_info\_id | bigint(20) | FOREIGN KEY (FK) |

**Cart**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint(20) | PRIMARY KEY (PK) |
| uuid | varchar(120) |  |
| user\_id | bigint(20) | FOREIGN KEY (FK) |

**Cart Contents**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint(20) | PRIMARY KEY (PK) |
| cart\_id | bigint(20) | FOREIGN KEY (FK) |
| product\_id | bigint(20) | FOREIGN KEY (FK) |
| quantity | integer |  |
| subtotal | varchar(50) |  |

**Orders**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint(20) | PRIMARY KEY (PK) |
| transaction\_id | varchar(120) |  |
| user\_id | bigint(20) | FOREIGN KEY (FK) |
| subtotal | varchar(120) |  |
| delivery\_fee | varchar(120) |  |
| total | varchar(120) |  |
| status | varchar(120) |  |

**Order Info**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint(20) | PRIMARY KEY (PK) |
| order\_id | bigint(20) | FOREIGN KEY (FK) |
| product\_id | bigint(20) | FOREIGN KEY (FK) |
| quantity | integer |  |
| subtotal | varchar(50) |  |

**Product Ratings**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| Id | bigint(20) | PRIMARY KEY (PK) |
| order\_id | bigint(20) | FOREIGN KEY (FK) |
| product\_id | bigint(20) | FOREIGN KEY (FK) |
| user\_id | bigint(20) | FOREIGN KEY (FK) |
| rating | integer |  |
| comment | varchar(150) |  |

**User Logs**

|  |  |  |
| --- | --- | --- |
| **FIELD NAME** | **DATA TYPE** | **CONSTRAINTS** |
| id | bigint(20) | PRIMARY KEY (PK) |
| name | varchar(150) |  |
| event | varchar(150) |  |
| description | varchar(150) |  |
| subject | varchar(150) |  |
| comment | varchar(150) |  |