**Laravel Vuejs Ecommarce DB Schema Design**

**Title: Ecommarce site**

Features:

1. Admin
2. User
3. Products
4. carts
5. Order
6. payments
7. setting
8. slider

|  |  |  |  |
| --- | --- | --- | --- |
| **User**  Firstname  Lastname  Username  Email  Phonenumber  Status  Ip\_address  Present\_address  Shipping\_address  **Payment**  Name  Image  Prority  Short\_name | **Products**  admin  Category  Brand  Title  Description  Slug  Quantity  Price  image  Offer\_pritce  Status  Ip\_address | **Cart**  User  Product  Ip\_address  Product\_quanitty | **Order**  User  cart  payment  ip\_address  name  phone\_no  shipping\_address  email  message  is\_paid  is\_complete  is\_seen\_by\_admin  transation\_id  shippeing\_cost  customer\_discount |
| **Setting**  Email  Phone  Address  Shipping\_cost | **Slider**  Title  Image  Prority  status | **Admin**  Firstname  Lastname  Username  Password  role  Image  address |  |

First Normal Form: Define pk & fk

|  |  |  |  |
| --- | --- | --- | --- |
| **User**  **Id**  Firstname  Lastname  Username  Email  Phonenumber  Status  Ip\_address  Present\_address  Shipping\_address  **Payment**  **Id**  Name  Image  Prority  Short\_name | **Products**  **Id**  admin  Category  Brand  Title  Description  Slug  Quantity  Price  image  Offer\_pritce  Status  Ip\_address | **Cart**  **Id**  **UserId**  ProductId  Ip\_address  Product\_quanitty | **Order**  **Id**  UserId  cartId  paymentId  ip\_address  name  phone\_no  shipping\_address  email  message  is\_paid  is\_complete  is\_seen\_by\_admin  transation\_id  shippeing\_cost  customer\_discount |
| **Setting**  **Id**  Email  Phone  Address  Shipping\_cost | **Slider**  **Id**  Title  Image  Prority  status | **Admin**  **Id**  Firstname  Lastname  Username  Password  role  Image  address |  |

Secound Normal Form: Make new table with common data field and Define pk & fk

|  |  |  |  |
| --- | --- | --- | --- |
| **User**  **Id**  Firstname  Lastname  Username  Email  phone\_no  userStatusId  Ip\_address  Present\_address  Shipping\_address  **Payment**  **Id**  Name  Image  Prority  Short\_name | **Products**  **Id**  adminId  CategoryId  BrandId  Title  Description  Slug  Quantity  Price  image  Offer\_pritce  StatusId  Ip\_address  **ProductStatus**  **Id**  name | **Cart**  **Id**  **UserId**  ProductId  Ip\_address  Product\_quanitty  **UserStatus**  **Id**  Name  **ProductCategory**  **Id**  Name  image  **ProdcutBrand**  **Id**  Name  image | **Order**  **Id**  UserId  cartId  paymentId  ip\_address  name  phone\_no  shipping\_address  email  message  is\_paid  is\_complete  is\_seen\_by\_admin  transation\_id  shippeing\_cost  customer\_discount |
| **Setting**  **Id**  Email  Phone  Address  Shipping\_cost | **Slider**  **Id**  Title  Image  Prority  status | **Admin**  **Id**  Firstname  Lastname  Username  Password  roleId  Image  address | AdminRole  Id  name |

**Third Normal Form**:-- Remove and make new table with **irregular** and **repeted** data field and Define pk & fk

|  |  |  |  |
| --- | --- | --- | --- |
| **User**  **Id**  Firstname  Lastname  Username  Email  phone\_no  userStatusId  Ip\_address  Present\_address  Shipping\_address  Image  **Payment**  **Id**  Name  Image  Prority  Short\_name | **Products**  **Id**  adminId  CategoryId  BrandId  Title  Description  Slug  Quantity  Price  Offer\_pritce  StatusId  Ip\_address  **ProductStatus**  **Id**  Name  **ProductImage**  **Id**  **Productid**  name | **Cart**  **Id**  **UserId**  ProductId  Ip\_address  Product\_quanitty  **UserStatus**  **Id**  Name  **ProductCategory**  **Id**  Name  image  **ProdcutBrand**  **Id**  Name  image | **Order**  **Id**  UserId  cartId  paymentId  ip\_address  name  phone\_no  shipping\_address  email  message  is\_paid  is\_complete  is\_seen\_by\_admin  transation\_id  shippeing\_cost  customer\_discount |
| **Setting**  **Id**  Email  Phone  Address  Shipping\_cost | **Slider**  **Id**  Title  Image  Prority  status | **Admin**  **Id**  Firstname  Lastname  Username  Password  roleId  Image  address | AdminRole  Id  name |

**Fourth Normal Form**:-- :- Remove **Redundant** and **Dependent** Data Field

|  |  |  |  |
| --- | --- | --- | --- |
| **User**  **Id**  Firstname  Lastname  Username  Email  password  phone\_no  userStatusId  Ip\_address  Present\_address  Shipping\_address  user\_role  Image  **Payment**  **Id**  Name  Image  Prority  Short\_name | **Products**  **Id**  userId  CategoryId  BrandId  Title  Description  Slug  Quantity  Price  Offer\_pritce  StatusId  Ip\_address  **ProductStatus**  **Id**  Name  **ProductImage**  **Id**  **Productid**  name | **Cart**  **Id**  **UserId**  ProductId  Ip\_address  Product\_quanitty  user\_role  **Id**  Name  **ProductCategory**  **Id**  Name  image  **ProdcutBrand**  **Id**  Name  Image | **Order**  **Id**  UserId  cartId  paymentId  ip\_address  name  phone\_no  shipping\_address  email  message  is\_paid  is\_complete  is\_seen\_by\_admin  transation\_id  shippeing\_cost  customer\_discount |
| **Setting**  **Id**  Email  Phone  Address  Shipping\_cost | **Slider**  **Id**  Title  Image  Prority  status | **Admin**  **Id**  Firstname  Lastname  Username  Password  roleId  Image  address | AdminRole  Id  name |