I-NEED

REQUIREMENTS

|  |  |  |  |
| --- | --- | --- | --- |
| section’s | commodity | users | messages |
| 1. commodity 2. service 3. priority 4. info 5. logistic 6. consultancy 7. users 8. location 9. time 10. discussion 11. rate 12. message 13. revenue sharing (point) | 1. title 2. description 3. price info 4. imags 5. links 6. videos 7. condition info 8. location 9. approve info 10. reject info 11. archive info 12. delete info 13. discussion info 14. priority info 15. timing info 16. target user info | 1. name 2. contact 3. e-mail 4. password 5. dob 6. gender 7. address 8. city 9. rating info 10. images 11. active info 12. verification 13. block info | 1. comodity 2. info 3. message |

First Normal Form: Define primary key , Foreign Key

|  |  |  |  |
| --- | --- | --- | --- |
| **comodity**  **id**  title  description  price info  imags  links  videos  condition info  location  saleinfo  approve info  reject info  archive info  delete info  discussion info  priority info  timing info  target user info  datetime  userid  ip | **users**  **id**  name  contact  e-mail  password  dob  gender  address  city  rating info  images  active info  verification  block info  loginhistory | **messages**  **id**  comodityid  userid  message  datetime |  |

Second Normal Form: Make new table with common data field, Define primary key , Foreign Key

|  |  |  |  |
| --- | --- | --- | --- |
| **comodity**  **id**  title  description  price info  imags  links  videos  conditionid  locationid  saleinfo  approve info  reject info  archive info  delete info  discussion info  priorityid  timing info  target user info  datetime  userid  ip | **users**  **id**  name  contact  email  password  dob  genderid  address  cityid  countryid  rating info  images  active info  verification  block info  loginhistory  type | **messages**  **id**  comodityid  userid  message  datetime  **priority**  id  name  description  **gender**  id  name  description | **condition**  **id**  name  description  rating(1-10)  **location**  id  name  cityid  countryid  **city**  id  name  countryid  **country**  id  name |

third Normal Form: Remove and Make new table with irregular, repeated data field, Define primary key , Foreign Key

|  |  |  |  |
| --- | --- | --- | --- |
| **comodity**  **id**  title  description  conditionid  locationid  priorityid  target user info  datetime  userid  ip  **comoditypublish**  comodityid  startdate  enddate  remarks  **comoditysold**  comodityid  userid  datetime  **comodityapproved**  comodityid  userid  datetime  remarks  **comodityreject**  comodityid  userid  datetime  remarks | **users**  **id**  name  contact  email  password  dob  genderid  address  cityid  countryid  image  type  **usersblock**  userid  datefrom  dateto  remarks  adminuserid  **loginhistory**  userid  datetime  ip  **usersverified**  userid  method  datetime  adminuserid  **usersactive**  userid  datetime  ip  **comodityprice**  comodityid  regularprice  price | **messages**  **id**  comodityid  userid  message  datetime  **priority**  id  name  description  **gender**  id  name  description  comodityimage  comodityid  image  title  **comodityvedio**  **id**  comodityid  vediolink  title  **comoditydiscussion**  **id**  comodityid  userid  datetime  comments | **condition**  **id**  name  description  rating(1-10)  **location**  id  name  cityid  countryid  **city**  id  name  countryid  **country**  id  name  **comoditylinks**  **id**  comodityid  link  title  **comodityarchive**  comodityid  userid  datetime  remarks  **usersratng**  rateduserid  ratebyuserid  datetime  rating(1-5) |

forth Normal Form: Remove dependent and redundant data field

|  |  |  |  |
| --- | --- | --- | --- |
| **comodity**  **id**  title  description  conditionid  locationid  priorityid  target user info  datetime  userid  ip  **comoditypublish**  comodityid  startdate  enddate  remarks  **comoditysold**  comodityid  userid  datetime  **comodityapproved**  comodityid  userid  datetime  remarks  **comodityreject**  comodityid  userid  datetime  remarks | **users**  **id**  name  contact  email  password  dob  genderid  address  cityid  image  type  **usersblock**  userid  datefrom  dateto  remarks  adminuserid  **loginhistory**  userid  datetime  ip  **usersverified**  userid  method  datetime  adminuserid  **usersactive**  userid  datetime  ip  **comodityprice**  comodityid  regularprice  price | **messages**  **id**  comodityid  userid  message  datetime  **priority**  id  name  description  **gender**  id  name  description  comodityimage  comodityid  image  title  **comodityvedio**  **id**  comodityid  vediolink  title  **comoditydiscussion**  **id**  comodityid  userid  datetime  comments | **condition**  **id**  name  description  rating(1-10)  **location**  id  name  cityid  countryid  **city**  id  name  countryid  **country**  id  name  **comoditylinks**  **id**  comodityid  link  title  **comodityarchive**  comodityid  userid  datetime  remarks  **usersratng**  rateduserid  ratebyuserid  datetime  rating(1-5) |

fifth Normal Form: denormalize

|  |  |  |  |
| --- | --- | --- | --- |
| **comodity**  **id**  title  description  conditionid  locationid  priorityid  target user info  datetime  userid  ip  **comoditypublish**  comodityid  startdate  enddate  remarks  **comoditysold**  comodityid  userid  datetime  **comodityapproved**  comodityid  userid  datetime  remarks  **comodityreject**  comodityid  userid  datetime  remarks | **users**  **id**  name  contact  email  password  dob  genderid  address  cityid  image  type  **usersblock**  userid  datefrom  dateto  remarks  adminuserid  **loginhistory**  userid  datetime  ip  **usersverified**  userid  method  datetime  adminuserid  **usersactive**  userid  datetime  ip  **comodityprice**  comodityid  regularprice  price | **messages**  **id**  comodityid  userid  message  datetime  **priority**  id  name  description  **gender**  id  name  description  comodityimage  comodityid  image  title  **comodityvedio**  **id**  comodityid  vediolink  title  **comoditydiscussion**  **id**  comodityid  userid  datetime  comments | **condition**  **id**  name  description  rating(1-10)  **location**  id  name  cityid  countryid  **city**  id  name  countryid  **country**  id  name  **comoditylinks**  **id**  comodityid  link  title  **comodityarchive**  comodityid  userid  datetime  remarks  **usersratng**  rateduserid  ratebyuserid  datetime  rating(1-5) |

Sixth Normal Form: define Constraint, Rule, Trigger, function, Store Procedure, View

|  |  |  |  |
| --- | --- | --- | --- |
| **Comodity**  **Id**  Title  description  conditionId  locationId  priorityId  TARGET USER INFO  DateTime  UserId  Ip  **comodityPublish**  comodityId  Startdate  EndDate  remarks  **comoditySold**  comodityId  userId  dateTime  **comodityApproved**  comodityId  userId  dateTime  remarks  **comodityReject**  comodityId  userId  dateTime  remarks | **Users**  **Id**  name  contact  email  password  DOB  genderId  address  cityId  image  type  **usersBlock**  userId  dateFrom  dateTo  remarks  adminUserId  **loginHistory**  userId  dateTime  ip  **usersVerified**  userId  method  dateTime  adminUserId  **usersActive**  userId  DateTime  Ip  **comodityPrice**  comodityId  regularPrice  Price | **Messages**  **id**  comodityId  userId  message  DateTime  **Priority**  id  Name  Description  **Gender**  Id  Name  Description  ComodityImage  comodityId  image  title  **comodityVedio**  **id**  comodityId  vedioLink  title  **comodityDiscussion**  **Id**  comodityId  userId  dateTime  comments | **Condition**  **Id**  Name  Description  Rating(1-10)  **Location**  id  Name  CityId  countryId  **city**  id  name  countryId  **country**  id  name  **comodityLinks**  **id**  comodityId  link  title  **comodityArchive**  comodityId  userId  dateTime  remarks  **UsersRatng**  RateduserId  RateByUserId  DateTime  Rating(1-5) |
|  |  |  |  |
|  |  |  |  |