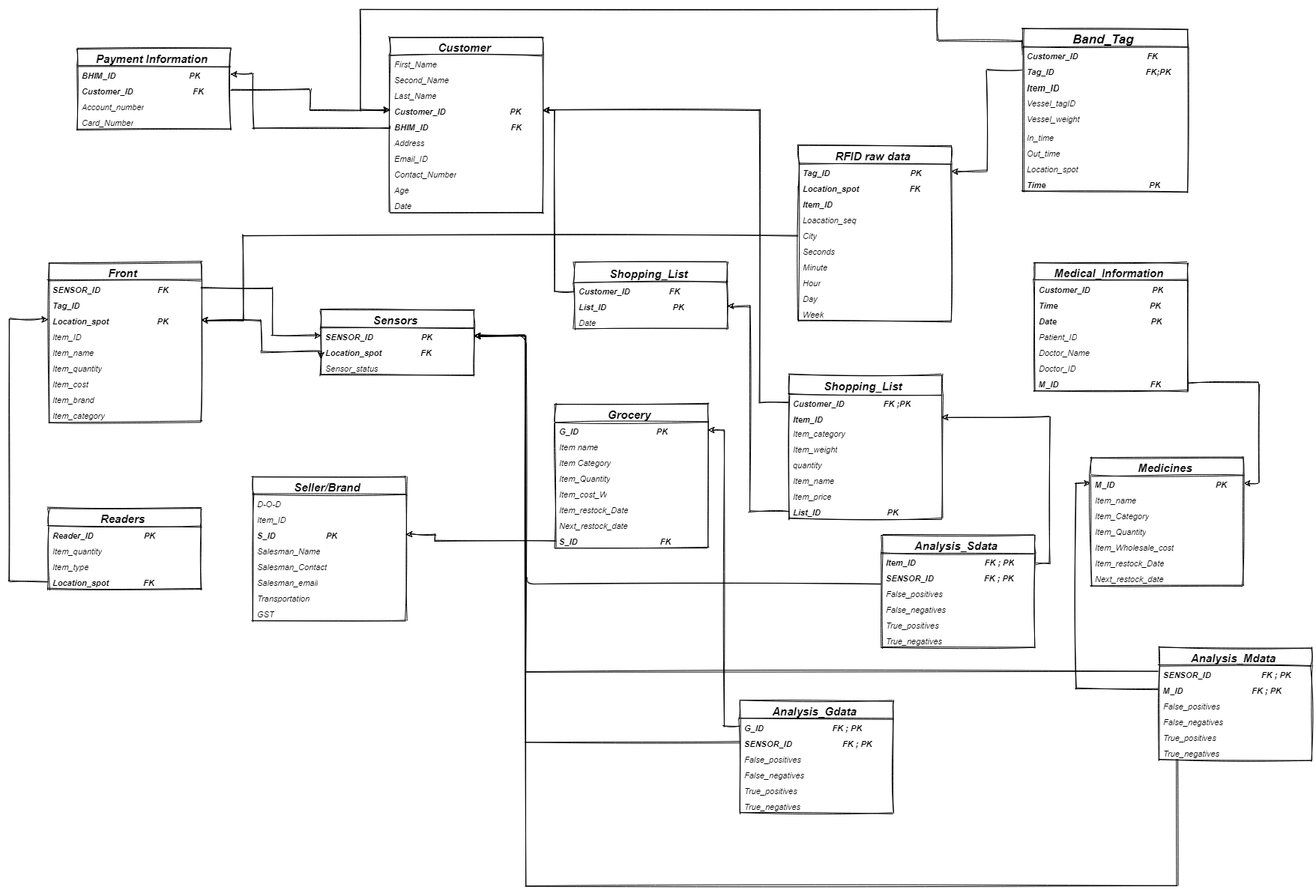
**EXPERIMENT - 2**

**-TEAM 16**

1. **Development of a relational model :**



1. **Identify the super-key (up to 10), candidate-key, primary key and foreign key for the identified relations.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table Name** | **Super Key** | **Primary Key** | **Candidate Key** | **Foreign Key** |
| Customer | Customer\_ID,  BHIM\_ID Account\_number | Customer\_ID, BHIM\_ID | BHIM\_ID | Account\_number |
| Payment\_information | Account\_number  Card\_number  BHIM\_ID | Account\_number |  | Customer\_ID, |
| Shopping\_list | Item\_ID  Item\_category | Item\_ID |  | List\_ID |
| List | List\_ID | List\_ID |  | Customer\_ID |
| Medical\_information | Doctor\_ID  Time  Patient\_ID | Mediclaim\_number, Patient\_ID | Mediclaim\_number | Medicine\_ID, Customer\_ID |
| Band\_Tag | Tag\_ID, Time , Customer\_ID;  Tag\_ID, Time, Customer\_ID,Vessel Tag\_ID; | Tag\_ID, Time |  | Tag\_ID,Customer\_ID |
| RFID\_raw\_data | Tag\_ID, Location\_seq;  Tag\_ID, Location\_seq;  Tag\_ID, Location\_seq, Day,Hour,Minutes | Tag\_ID | Location\_seq | Location\_spot |
| Analysis\_Sdata | Sensor\_ID,Item\_ID,  False\_negatives,  True\_positives,  False\_positives,  True\_negatives; | Sensor\_ID,Item\_ID |  | Sensor\_ID,Item\_ID |
| Readers | Reader\_ID,Item\_type; | Reader\_ID |  | Location\_spot |
| Analysis\_Mdata | Sensor\_ID,M\_ID,  False\_negatives,  True\_positives,  False\_positives,  True\_negatives; | Sensor\_ID,M\_ID |  | Sensor\_ID,M\_ID |
| Analysis\_Gdata | Sensor\_ID,G\_ID,  False\_negatives,  True\_positives,  False\_positives,  True\_negatives; | Sensor\_ID,G\_ID |  | Sensor\_ID,G\_ID |
| Sensors | Sensor\_ID,Sensor\_status | Sensor\_ID |  | Location\_spot |
| Medicine | M\_ID, Item\_name | M\_ID | Item\_name | - |
| Grocery | G\_ID, Item\_name | G\_ID | Item\_name | S\_ID |
| Seller | S\_ID | S\_ID | Salesman\_contact | - |
| Front | Address, Sensor\_ID, Tag\_ID, Item\_ID | Address | Sensor\_ID, Tag\_ID, Item\_ID | Sensor\_ID |