**Proposed Tables for POS**

Table: POS\_LOCATION

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| POS\_ID (PK) | POS\_LOC | Entry\_date | Status |  |
| 1 | Mirpur | 02/05/2015 | E |  |
| 2 | Uttara | 03/03/2016 | D |  |
|  |  |  |  |  |

Table : EMPLOYEE

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| EMP\_ID  (PK) | EMP\_NAME | MOBILE | GENDER | NID | JOIN\_DATE | CUR\_POS\_LOC  (FK: POS\_LOCATION) | STATUS |
| 101 | FARID AHMED | 017274763 | M | 1234568 | 02/02/2016 | 1 | E |
| 102 | NASIMA KONY | 019789564 | F | 234567 | 03/05/2012 | 1 | D |

Table: PRODUCT\_CATEGORY

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PROD\_ID(PK) | PRODUCT\_NAME | SELF\_LEVEL | PARENT\_ID | BRAND\_NAME | STATUS |  |
| 231 | GARMENTS | 1 | 0 |  | E |  |
| 232 | SHIRT | 2 | 231 |  | E |  |
| 233 | SHIRT-CATS-EYE | 3 | 232 | CATS-EYE | E |  |
| 234 | SHIRT-RICHMOND | 3 | 232 | RICHMOND | E |  |
|  |  |  |  |  |  |  |

Table : PRODUCT\_PRICE

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| PROD\_ID  (FK) | ENTRY\_DATE | MRP | MPP | VAT \_RATE | TOTAL\_GROSS | STATUS |  |
| 234 | 02/03/2015 | 1600 | 1200 | 15 | 1840 | E |  |
|  |  |  |  |  |  |  |  |

Table : PRODUCT\_OFFER

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PROD\_ID  (FK) | START\_DATE | END\_DATE | OFFER\_NATURE | DISCOUNT | STATUS |
| 234 | 01/03/2016 | 31/03/2016 | FREE PRODUCT | PROD-5680 | E |
| 234 | 01/01/2014 | 02/28/2015 | CASH DISCOUNT | 10 | E |

Table: INVENTORY\_IN

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| INV\_IN\_ID(pk) | POS\_ID  (FK) | TRANS\_DATE | PROD\_ID | BATCH | GOODS\_TYPE | STATUS | MANUF\_DATE | EXP\_DATE | UNIT | QTY |
| 1 | 1 | 03/01/2016 | 234 | 235 | FRESH | E | 01/01/2014 |  | PCS | 5 |
| 2 | 1 | 03/03/2016 | 234 | 301 | FRESH | E | 02/02/2015 |  | PCS | 15 |
|  |  |  |  |  |  |  |  |  |  |  |

Table : INVENTORY\_SERIAL

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| INV\_SL\_ID  (PK) | PROD\_ID (FK) | SERIAL\_NO |  |  |  |  |
| 1 | 234 | 456789 |  |  |  |  |
| 2 | 234 | 56789 |  |  |  |  |
| 3 | 234 | 56897 |  |  |  |  |
|  |  |  |  |  |  |  |

Table: INVENTORY\_OUT

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| INV\_OUT\_ID  (PK) | POS\_ID  (FK) | TRANS\_DATE | PROD\_ID  (FK) | SERIAL\_NO | QTY | STATUS |  |  |  |
| 1 | 1 | 04/03/2016 | 234 | 456789 | 1 | E |  |  |  |
| 2 | 1 | 05/03/2016 | 234 | 56789 | 1 | E |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

Table: CURRENT\_STOCK ( for At a glance)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| POS\_ID  (FK) | BATCH\_NO | PROD\_ID  (FK) | QTY | STATUS |  |  |  |
| 1 | 235 | 234 | 4 | E |  |  |  |
| 1 | 301 | 234 | 14 | E |  |  |  |
| Composite primary key: (pos\_id, batch\_no,prod\_id) | | | | | |  |  |

Table: TRANSACTION\_MST

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TRAS\_ID  (PK) | POS\_ID | EMP\_ID | TRANSACTION\_DATE | TOTAL\_VAT | TOTAL\_GROSS | TOTAL\_DISCOUNT | TOTAL\_NET\_PAYABLE |
| 160312001 | 1 | 1 | 12/03/2016 04:40:10 |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

Table: TRANSACTION\_DTL

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TRAS\_ID  (PK) | PROD\_ID | UNIT | QTY | MRP | VAT | GROSS\_AMT | DISCOUNT\_AMT | NET\_PAYABLE |
| 160312001 | 234 | pcs | 5 | 1600 | 240 | 1840 | 184 | 1656 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |