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| **SR # : 01**  **TABLE : ROLE**  **PRIMARY KEY : ROLE\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | ROLE\_ID | INT | 4 | PRIMARY KEY (IDENTITY) | AUTO INCREMENT UNIQUE RECORD IDENTIFIER |
| 2 | ROLE\_NAME | VARCHAR | 20 | NOT NULL | ROLE (USER TYPE) |

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| **SR # : 02**  **TABLE : LOGIN**  **PRIMARY KEY : USED\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | USER\_ID | INT | 4 | PRIMARY KEY (IDENTITY) | AUTO INCREMENT UNIQUE RECORD IDENTIFIER |
| 2 | ROLE\_ID | INT | 4 | FOREIGN KEY | ROLE (ROLE\_ID) REFERENCE |
| 3 | USER\_EMAIL | VARCHAR | 100 | NOT NULL, UNIQUE | USER’S EMAIL |
| 4 | USER\_PASS | VARCHAR | 40 | NOT NULL | HASH SALT PASSWORD |
| 5 | QUESTION | VARCHAR | 50 | NOT NULL | SECURITY QUESTION |
| 6 | ANSWER | VARCHAR | 50 | NOT NULL | SECURITY ANSWER TO RECOVER PASSWORD |
| 7 | DATE\_CREATED | DATETIME | 8 | NOT NULL | DATE ON WHICH ACCOUNT IS CREATED |
| 8 | DATE\_LAST\_LOGIN | DATETIME | 8 | NOT NULL |  |
| 9 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |

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| **SR # : 03**  **TABLE : COUNTRY**  **PRIMARY KEY : COUNTRY\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | COUNTRY\_ID | INT | 4 | PRIMARY KEY (IDENTITY) | AUTO INCREMENT UNIQUE RECORD IDENTIFIER |
| 2 | COUNTRY\_NAME | VARCHAR | 50 | NOT NULL |  |

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| **SR # : 04**  **TABLE : STATE**  **PRIMARY KEY : STATE\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | STATE\_ID | INT | 4 | PRIMARY KEY (IDENTITY) | AUTO INCREMENT UNIQUE RECORD IDENTIFIER |
| 2 | STATE\_NAME | VARCHAR | 50 | NOT NULL |  |
| 3 | COUNTRY\_ID | INT | 4 | FOREIGN KEY | COUNTRY( COUNTRY\_ID) |

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| **SR # : 05**  **TABLE : CITY**  **PRIMARY KEY : CITY\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | CITY\_ID | INT | 4 | PRIMARY KEY (IDENTITY) | AUTO INCREMENT UNIQUE RECORD IDENTIFIER |
| 2 | CITY\_NAME | VARCHAR | 50 | NOT NULL |  |
| 3 | STATE\_ID | INT | 4 | FOREIGN KEY | STATE( STATE\_ID) |

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| **SR # : 06**  **TABLE : BRANCH**  **PRIMARY KEY : BRANCH\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | BRANCH\_ID | INT | 4 | PRIMARY KEY (IDENTITY) & FOREIGN KEY | UNIQUE RECORD IDENTIFIER AND REFERENCE FROM LOGIN(USER\_ID) |
| 2 | BRANCH\_NAME | VARCHAR | 100 | NOT NULL, UNIQUE |  |
| 3 | BRANCH\_ADDRESS | VARCHAR | 400 | NOT NULL | ADDRESS |
| 4 | CITY\_ID | INT | 4 | FOREIGN KEY |  |
| 5 | PHONE | VARCHAR | 15 | NOT NULL | LANDLINE |
| 6 | MOBILE | VARCHAR | 15 | NOT NULL | MOBILE |
| 7 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |

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| **SR # : 07**  **TABLE : EMPLOYEE**  **PRIMARY KEY : EMPLOYEE\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | EMPLOYEE\_ID | INT | 4 | PRIMARY KEY (IDENTITY) & FOREIGN KEY | UNIQUE RECORD IDENTIFIER AND REFERENCE FROM LOGIN(USER\_ID) |
| 2 | BRANCH\_ID | INT | 4 | FOREIGH KEY |  |
| 3 | NAME | VARCHAR | 100 | NOT NULL | FULL NAME |
| 4 | CITY\_ID | INT | 4 | FOREIGN KEY |  |
| 5 | ADDRESS | VARCHAR | 400 | NOT NULL | ADDRESS |
| 6 | MOBILE | VARCHAR | 15 | NOT NULL | MOBILE |
| 7 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |

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| **SR # : 08**  **TABLE : CUSTOMER**  **PRIMARY KEY : CUSTOMER\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | CUSTOMER\_ID | INT | 4 | PRIMARY KEY (IDENTITY) & FOREIGN KEY | UNIQUE RECORD IDENTIFIER AND REFERENCE FROM LOGIN(USER\_ID) |
| 2 | NAME | VARCHAR | 100 | NOT NULL | FULL NAME |
| 3 | CITY\_ID | INT | 4 | FOREIGN KEY |  |
| 4 | ADDRESS | VARCHAR | 400 | NOT NULL | ADDRESS |
| 5 | MOBILE | VARCHAR | 15 | NOT NULL | MOBILE |
| 6 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |

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| **SR # : 09**  **TABLE : CATEGORY**  **PRIMARY KEY : CATEGORY\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | CATEGORY\_ID | INT | 4 | PRIMARY KEY (IDENTITY | UNIQUE RECORD IDENTIFIER |
| 2 | CATEGORY\_NAME | VARCHAR | 100 | NOT NULL | CATEGORY |
| 3 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |

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| **SR # : 10**  **TABLE : UNIT**  **PRIMARY KEY : UNIT\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | UNIT\_ID | INT | 4 | PRIMARY KEY (IDENTITY | UNIQUE RECORD IDENTIFIER |
| 2 | UNIT\_NAME | VARCHAR | 100 | NOT NULL | CATEGORY |
| 3 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |

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| **SR # : 11**  **TABLE : PRODUCT**  **PRIMARY KEY : PRODUCT\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | PRODUCT\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | PRODUCT\_NAME | VARCHAR | 100 | NOT NULL |  |
| 3 | CATEGORY\_ID | INT | 4 | FOREIGN KEY |  |
| 4 | PRODUCT\_DESC | VARCHAR | MAX | NOT NULL |  |
| 5 | UNIT\_ID | INT | 4 | FOREIGN KEY |  |
| 6 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |
| 7 | IS\_AVAILABLE | BIT | 1 | NOT NULL | OUT OF STOCK |
| 8 | IS\_FEATURE | BIT | 1 | NOT NULL | FEATURED PRODUCT |
| 9 | REORDER\_LEVEL | DECIMAL | 18,3 | NOT NULL | RE-ORDER LEVEL |

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| **SR # : 12**  **TABLE : PRODUCT\_IN**  **PRIMARY KEY : IN\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | IN\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | PRODUCT\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | DATE\_ADDED | DATETIME | 8 | NOT NULL |  |
| 4 | QUANTITY | DECIMAL | 18,3 | NOT NULL |  |
| 5 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |
| 6 | PURCHASE\_RATE | DECIMAL | 18,2 | NOT NULL |  |
| 7 | SALE\_RATE | DECIMAL | 18,2 | NOT NULL |  |

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| **SR # : 13**  **TABLE : BRANCH\_ORDER**  **PRIMARY KEY : ORDER\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | ORDER\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | BRANCH\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | ORDER\_DATE | DATETIME | 8 | NOT NULL |  |
| 4 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |
| 5 | ORDER\_STATUS | INT | 4 | NOT NULL | ORDER STATUS – PENDING, CANCEL, ACCEPT ETC |

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| **SR # : 14**  **TABLE : BRANCH\_ORDER\_DETAIL**  **PRIMARY KEY : DETAIL\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | DETAIL\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | ORDER\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | PRODUCT\_ID | INT | 4 | FOREIGN KEY |  |
| 4 | ORDER\_QUANTITY | DECIMAL | 18,3 | NOT NULL |  |

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| **SR # : 15**  **TABLE : BRANCH\_PRODUCT\_IN**  **PRIMARY KEY : BRANCH\_IN\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | BRANCH\_IN\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | DETAIL\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | IN\_ID | INT | 4 | FOREIGN KEY |  |
| 4 | ISSUE\_QUANTITY | DECIMAL | 18,3 | NOT NULL |  |
| 5 | DISCOUNT\_RATE | INT | 4 | NULL |  |

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| **SR # : 16**  **TABLE : CUSTOMER\_ORDER**  **PRIMARY KEY : ORDER\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | ORDER\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | BRANCH\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | ORDER\_DATE | DATETIME | 8 | NOT NULL |  |
| 4 | IS\_DELETED | BIT | 1 | NOT NULL | RECORD DELETED OR NOT |
| 5 | ORDER\_STATUS | INT | 4 | NOT NULL | ORDER STATUS – PENDING, CANCEL, ACCEPT ETC |

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| **SR # : 17**  **TABLE : CUSTOMER\_ORDER\_DETAIL**  **PRIMARY KEY : DETAIL\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | DETAIL\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | ORDER\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | IN\_ID | INT | 4 | FOREIGN KEY |  |
| 4 | QUANTITY | DECIMAL | 18,3 | NOT NULL |  |
| 5 | RATE | DECIMAL | 18,2 | NOT NULL |  |

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| **SR # : 18**  **TABLE : SEARVICE**  **PRIMARY KEY : SERVICE\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | SERVICE\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | SERVICE\_NAME | VARCHAR | 100 | NOT NULL |  |
| 3 | SERVICE\_DESC | VARCHAR | MAX | NOT NULL |  |
| 4 | IS\_DELETED | BIT | 1 | NOT NULL |  |

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| **SR # : 19**  **TABLE : BRANCH\_SEARVICE**  **PRIMARY KEY : BRANCH\_SERVICE\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | BRANCH\_SERVICE\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | BRANCH\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | SERVICE\_ID | INT | 4 | FOREIGN KEY |  |
| 4 | IS\_DELETED | BIT | 1 | NOT NULL |  |

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| **SR # : 20**  **TABLE : CUSTOMER\_SERVICE\_REQUEST**  **PRIMARY KEY : REQUEST\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | REQUEST\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | CUSTOMER\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | BRANCH\_SERVICE\_ID | INT | 4 | FOREIGN KEY |  |
| 4 | IS\_DELETED | BIT | 1 | NOT NULL |  |
| 5 | REQUEST\_DATE | DATETIME | 8 | NOT NULL |  |
| 6 | REQUEST\_STAUTS | INT | 4 | NOT NULL | ACCEPT, PENDING, CLOSE,CANCEL ETC |
| 7 | REQUEST\_PROCESS\_DATE | DATETIME | 8 | NULL |  |
| 8 | RECEIVE\_PAYMENT | BIT | 1 | NOT NULL |  |

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| **SR # : 21**  **TABLE : CUSTOMER\_SERVICE\_VISIT**  **PRIMARY KEY : REQUEST\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | VISIT\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | REQUEST\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | VISIT\_DATE | DATETIME | 8 | NOT NULL |  |
| 4 | EMPLOYEE\_ID | INT | 4 | FOREIGN KEY | EMPLOYEE |
| 5 | IS\_VISITED | BIT | 1 | NOT NULL |  |

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| **SR # : 22**  **TABLE : CUSTOMER\_SERVICE\_PAYMENT**  **PRIMARY KEY : PAYMENT\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | PAYMENT\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | REQUEST\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | PAY\_DATE | DATETIME | 8 | NOT NULL |  |
| 4 | AMOUNT | DECIMAL | 18,2 | NUT NULL |  |
| 5 | PAY\_DESCRIPTION | VARCHAR | 100 | NOT NULL |  |
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| **SR # : 23**  **TABLE : CUSTOMER\_ORDER\_PAYMENT**  **PRIMARY KEY : PAYMENT\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | PAYMENT\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | ORDER\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | PAY\_DATE | DATETIME | 8 | NOT NULL |  |
| 4 | AMOUNT | DECIMAL | 18,2 | NUT NULL |  |
| 5 | PAY\_DESCRIPTION | VARCHAR | 100 | NOT NULL |  |
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| **SR # : 24**  **TABLE : SPA\_PROGRAM**  **PRIMARY KEY : PROGRAM\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | PROGRAM\_ID | INT | 4 | PRIMARY KEY | UNIQUE RECORD IDENTIFIER |
| 2 | PROGRAM\_TITLE | VARCHAR | 100 | NOT NULL |  |
| 3 | PROGRAM\_DESC | VARCHAR | MAX | NOT NULL |  |
| 4 | START\_DATE | DATETIME | 8 | NOT NULL |  |
| 5 | END\_DATE | DATETIME | 8 | NOT NULL |  |
| 6 | IS\_DELETED | BIT | 1 | NOT NULL |  |
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| **SR # : 25**  **TABLE : SPA\_BRANCH\_PROGRAM**  **PRIMARY KEY : PROGRAM\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | PROGRAM\_ID | INT | 4 | PRIMARY KEY ( PROGRAM\_ID + BRANCH\_ID)  FOREIGN KEY |  |
| 2 | BRANCH\_ID | INT | 4 |  |

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| **SR # : 26**  **TABLE : SPA\_JOIN\_PROGRAM**  **PRIMARY KEY : PROGRAM\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | JOIN\_ID | INT | 4 | PRIMARY KEY |  |
| 2 | PROGRAM\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | BRANCH\_ID | INT | 4 | FOREIGN KEY |  |
| 4 | CUSTOMER\_ID | INT | 4 | FOREIGN KEY |  |
| 5 | JOIN\_DATE | DATETIME | 8 | NOT NULL |  |
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| **SR # : 27**  **TABLE : SPA\_JOIN\_PAYMENT**  **PRIMARY KEY : PROGRAM\_ID** | | | | | |
| # | FIELD | TYPE | SIZE (BYTES) | CONSTRAINTS | DESCRIPTION |
| 1 | PAYMENT\_ID | INT | 4 | PRIMARY KEY |  |
| 2 | JOIN\_ID | INT | 4 | FOREIGN KEY |  |
| 3 | PAYMENT\_DATE | DATETIME | 8 | NOT NULL |  |
| 4 | AMOUNT | DECIMAL | 18,2 | NOT NULL |  |
| 5 | PAYMENT\_DESC | VARCHAR | 50 | NOT NULL |  |
|  |  |  |  |  |  |