Om Sri Sai Ram

Om Sri Ganeshaya Namaha

**Collection Management System**

**Existing System:**

1. Bills are created based on orders received from the customers.
2. Stock will be dispatched as per the bills created.
3. At the EOD, total bills are entered into the Bill entry book which contains bill number, customer name, salesman to whom bill is assigned and the status of the bill.
4. Once the above details such as bill number, customer name, salesman, to whom bill assigned are entered and confirmed then the dispatched status bills are entered in the Ledger book for further transactions tracking details of bills.
5. Now on daily basis the collection details brought by the Salesman are received in form of a collection sheet and the same will be posted into the Ledger as per the bills.
6. If any of the bill payment is done completely then the bill is marked as Fully Paid and then bill is closed.

**New Proposed System:**

Automation of above existing system.

**Modules:**

1. Customer Module
2. Salesman Module
3. Company Module
4. Bill Entry Module
5. Bill Payment Module

**Customer Module:**

1. Add Customer
2. Update Customer
3. Enable/Disable Customer

**Salesman Module:**

1. Add Salesman
2. Update Salesman
3. Enable/Disable Salesman
4. Add Beat
5. Update Beat
6. Enable/Disable Beat

**Company Module:**

1. Add Company
2. Update Company
3. Enable/Disable Company

**Bill Entry Module:**

1. Add Bills
2. Update Bills
3. Verify Bills
4. Check Bills(Salesman/Status/Beat)
5. Assign Bills

**Bill Payment Module:**

1. Collection Entry
2. Check Bills(Customer/Status/Salesman/Date/Bill)

**Database Design**

**Customer Module**

|  |  |  |
| --- | --- | --- |
| **Table** | **CUSTOMER\_MASTER** | |
| **Column Name** | **Data Type** | **Comments** |
| ID | INT | Primary Key (Unique Identification of the customer) |
| NAME | VARCHAR(100) | Customer Name |
| OUTLET\_NAME | VARCHAR(100) | Shop/Outlet Name |
| CATEGORYID | INT | Foreign Key (Table: CUSTOMERCATEGORY) |
| TYPEID | INT | Foreign Key (Table: CUSTOMERTYPE) |
| BEATID | INT | Foreign Key(Table: CUSTOMERBEAT) |
| ADDRESS1 | VARCHAR(80) | Address Line 1 |
| ADDRESS2 | VARCHAR(80) | Address Line 2 |
| LANDLINE | VARCHAR(15) | LandLine Number |
| MOBILE | VARCHAR(10) | Mobile Number |
| EMAIL\_ADDRESS | VARCHAR(80) | Email ID |
| OTHER\_DETAILS | VARCHAR(80) | Any other details of the customer |
| CITYID | INT | City in which Outlet exist  Foreign Key(Table: CUSTOMERCITY) |
| STATUSID | INT | Status of the Customer  Foreign Key (Table: CUSTOMERSTATUS) |
| UPDATED\_ON | DATETIME | Customer details updated date |

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| **Table** | **CUSTOMERCATEGORY** | |
| **Column Name** | **Data Type** | **Comments** |
| CATEGORYID | INT | Primary Key (Unique Identification of the category) |
| CATEGORYNAME | VARCHAR(MAX) | Name of the category(Eg: Medical, Kirana etc) |

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| --- | --- | --- |
| **Table** | **CUSTOMERTYPE** | |
| **Column Name** | **Data Type** | **Comments** |
| TYPEID | INT | Primary Key (Unique Identification of the customer type) |
| TYPENAME | VARCHAR(MAX) | Customer type description (Eg: Wholesale/Retail) |

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| --- | --- | --- |
| **Table** | **CUSTOMERBEAT** | |
| **Column Name** | **Data Type** | **Comments** |
| BEATID | INT | Primary Key (Unique Identification of the beat) |
| BEATNAME | VARCHAR(MAX) | Beat Name (Eg: Tower circle, Rambazar etc) |

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| --- | --- | --- |
| **Table** | **CUSTOMERCITY** | |
| **Column Name** | **Data Type** | **Comments** |
| CITYID | INT | Primary Key (Unique Identification of the city) |
| CITYNAME | VARCHAR(MAX) | Name of the City |
| PINCODE | VARCHAR(6) | PinCode of the City |

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| --- | --- | --- |
| **Table** | **CUSTOMERCITYPINCODE** | |
| **Column Name** | **Data Type** | **Comments** |
| PINCODEID | INT | Primary Key (Unique Identification of the Pincode) |
| PINCODE | VARCHAR(MAX) | Pincode of the City |

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| --- | --- | --- |
| **Table** | **CUSTOMERSTATUS** | |
| **Column Name** | **Data Type** | **Comments** |
| STATUSID | INT | Primary Key (Unique Identification of the city) |
| STATUSCODE | VARCHAR(MAX) | Status code indicates the status of the customer |

**SalesMan Module**

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| **Table** | **Salesman** | |
| **Column Name** | **Data Type** | **Comments** |
| Id | Varchar2 | Primary Key (Unique Identification of the city) |
| Name | Varchar2 | SalesMan Name |
|  |  |  |

**Company Module**

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| --- | --- | --- |
| **Table** | **Company** | |
| **Column Name** | **Data Type** | **Comments** |
| Id | Varchar2 | Primary Key (Unique Identification of the city) |
| Name | Varchar2 | Company Name |
|  |  |  |

**Bill Entry Module**

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| --- | --- | --- |
| **Table** | **Billmaster** | |
| **Column Name** | **Data Type** | **Comments** |
| ID | Integer | Primary Key (Unique Identification of the city) |
| Bill\_No | Varchar | Bill Number |
| Outlet\_Name | Varchar | Outlet Name |
| Company\_ID | Integer | Which Company bill belongs to. |
| Dispatch\_Status | Integer | Bill Dispatch Status |
| Amount | Integer | Bill Amount |
| Counter\_Discount | Integer | Discount given at the time of Bill issued on the Bill |
| Transaction\_Discount | Integer | Discount issued at the time of Partial/Full Transaction done. |
| Paid | True/False | Bill Full Payment Status |
| Comments | Varchar2(max) | Any Comments about transaction |

**Bill Transactions Module**

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| **Table** | **BillPayments** | |
| **Column Name** | **Data Type** | **Comments** |
| Transaction\_ID | Integer | Primary Key (Unique Identification of the city) |
| Bill\_No | Integer | Outlet Name |
| Amount\_Received | Integer | Amount Received for this transaction |
| Transaction\_Date | Date | Bill Payment(Partial/Complete) Date |
| SalesMan\_Id | Integer | Transaction Amount collected by SalesMan |
| Comments | Varchar2(max) | Any Comments about transaction |