Om Sri Sai Ram

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**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) |
| SALESMANID | INT | Sales Man mapped to beat |

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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 |

**Sales Man Module**

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| **Table** | **Salesman** | |
| **Column Name** | **Data Type** | **Comments** |
| SALESMANID | INT | Primary Key (Unique Identification of the city) |
| SALESMAN\_NAME | VARCHAR(MAX) | Sales Man Name |
| START\_DATE | DATE | Sales Man Work Start Date |
| END\_DATE | DATE | Sales Man Work End Date |
| STATUSID | INT | Status of the Sales Man |
| UPDATED\_ON | DATE | Sales Man Details updated on |

**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 |

**Customer Module:**

It contains two User Interfaces.

1. Search Customer: User Interfaces contains input field where user will provide full outlet name or part of outlet name, so all the outlets containing the provided outlet name are retrieved and populated.

When user clicks on the any outlet name it navigates to the Customer Update User Interface when user can update the Outlet details.

User can enable/disable the customer by clicking the InActive/Active button available for each outlet listed in the search page.

1. Add/Update Customer: User Interface contains input fields where user should fill all the details of the customers in the input fields to add new customer/update the existing customer.

**Sales Man Module:**

It contains two User Interfaces

1. Add/Update Sales Man: User Interfaces contains input fields to add/update the Sales Man. User provides details in the input fields to add/update the Sales Man
2. View Sales Man: User Interface list all the Sales Man and when user clicks on the Sales Man, details of the Sales Man will be displayed. By clicking then “Edit” button of the Sales Man details navigates to SalesMan Update Page and user can update Sales man details.

Sales Man can be made Active/InActive by clicking on the InActive/Active button displayed.

1. Add/Update Beats to Sales Man: User will map/up-map the Beats to the Sales Man in this page.