**Assignment 1 Software Engineering**

Customer Information:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Datatype | Length | Constraint | Description |
| Customer Number (CN) | Numeric | 5 | Unique for each customer | Unique number assigned to each registered customer |
| Customer Name | Text | 40 | - | Full name of Customer |
| Address | Text | 60 | - | Residence Address of Customer |
| Telephone Number | Numeric | 16 | - | Customer Contact Information |
| Driving License Number | Text | 16 | - | Customer Driving License Number |

Purchase Information:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Datatype | Length | Constraint | Description |
| Purchase Value | Numeric | 7 | Updated with each purchase transaction | The total value of the customer's purchase in Rupees (Rs.) |

Awards and Prizes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Datatype | Length | Constraint | Description |
| Yearly Prize Winners | Text (List) | - | Updated annually | List of customers who have won surprise gifts at the end of each year. |
| Gold Coin Recipients | Text (List) | - | Updated annually | List of customers who receive a 22-carat gold coin for purchases exceeding Rs. 10,000. |

Administrative Information:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Field Name | Datatype | Length | Constraint | Description |
| Reset Date | Date | - | - | The date on which the CN entries are reset each year after prize winners are generated. |