**Cosmos DB Design documentation**

**Order Tracking System**

**INTRODUCTION:**

This document gives the Cosmos DB design of the tables and the structure of each tables which is going to be used in the application.

**OVERVIEW:**

The order tracking system application is a logistics application for the purchase orders. In this application we will use three tables to store the datas such as **Customerdetails**, **Orderdetails**, **Purchasedetails**, **Trackingdetails**, **HistoryTable**. And in this document, we will have a detailed view about the tables structure and properties.

**TABLE STRUCTURE**:

Table name: **CustomerDetails**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Column type** | **Column length** | **Key** |
| Customer\_id | int | 50 | Primary key |
| Customer\_name | varchar | 50 | - |
| Mobile\_number | int | 50 | - |
| Email | varchar | 30 | - |
| Address | varchar | 100 | - |
| City | varchar | 50 | - |
| Pincode | int | 30 | - |

Table name: **OrderDetails**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Column type** | **Column length** | **Key** |
| Order\_number | int | 50 | Primary key |
| Customer\_id | int | 50 | Foreign key |
| Order\_date | datetime | 20 | - |
| Product\_id | varchar | 50 | Foreign key |
| Origin\_id | int | 50 | - |
| Destination\_id | int | 50 | - |

Table name: **PurchaseDetails**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Column type** | **Column length** | **Key** |
| Product\_id | varchar | 50 | Primary key |
| Product\_category | varchar | 100 | - |
| Ordered\_date | datetime | 20 | - |
| Product\_description | varchar | 100 | - |
| Product\_count | int | 50 | - |
| Product\_name | varchaar | 50 | - |

Table name: **TrackingDetails**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Column type** | **Column length** | **Key** |
| Order\_number | int | 50 | Foreign key |
| Tracking\_id | int | 50 | Primary\_key |
| Ordered\_status | varchar | 50 | - |
| Shipped\_status | varchar | 50 | - |
| Delivered\_status | varchar | 50 | - |
| Ordered\_date | datetime | 20 | - |
| Delivered\_date | datetime | 20 | - |

Table name: **HistoryTable**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Column type** | **Column length** | **Key** |
| Order\_number | int | 50 | Foreign key |
| Customer\_id | int | 50 | Foreign key |
| Product\_id | varchar | 50 | Foreign key |
| Product\_name | varchaar | 50 | - |
| Delivered\_date | datetime | 20 | - |
| IsDelivered | boolean | 30 | - |
| IsCancelled | boolean | 30 | - |