Data Model Specification - Pixelz Order System

This document describes the database schema used in the Pixelz Order Checkout system. It includes entity descriptions, fields, data types, relationships, and constraints.

# Customers

Stores information about customers who place orders.

|  |  |  |
| --- | --- | --- |
| Field | Data Type | Description |
| CustomerID | uniqueidentifier | Primary key |
| Name | nvarchar(100) | Customer name |
| Email | nvarchar(100) | Email address |
| Phone | nvarchar(20) | Phone number |
| Address | nvarchar(max) | Physical address |
| CreatedAt | datetime | Record creation timestamp |

# Products

Contains product catalog available for ordering.

|  |  |  |
| --- | --- | --- |
| Field | Data Type | Description |
| ProductID | uniqueidentifier | Primary key |
| Name | nvarchar(100) | Product name |
| Description | nvarchar(max) | Detailed description |
| Price | decimal(10,2) | Unit price |
| TaxRate | decimal(10,2) | Tax rate percentage |
| CreatedAt | datetime | Record creation timestamp |

# Orders

Stores customer orders and their current status.

|  |  |  |
| --- | --- | --- |
| Field | Data Type | Description |
| OrderID | uniqueidentifier | Primary key |
| OrderName | nvarchar(200) | Name or reference of the order |
| CustomerID | uniqueidentifier | Foreign key to Customers |
| Status | int | Order status (e.g., Draft, Submitted) |
| TotalAmount | decimal(10,2) | Total amount including tax |
| CreatedAt | datetime | Order creation date |
| UpdatedAt | datetime | Order last update timestamp |

# OrderDetails

Links products to orders with quantity and notes.

|  |  |  |
| --- | --- | --- |
| Field | Data Type | Description |
| OrderDetailID | uniqueidentifier | Primary key |
| OrderID | uniqueidentifier | Foreign key to Orders |
| ProductID | uniqueidentifier | Foreign key to Products |
| Quantity | int | Quantity ordered |
| Note | nvarchar(max) | Additional notes |

# ERD

A screenshot of a computer

AI-generated content may be incorrect.