**Description of the Entity**

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| **Entity Class** | **Description** |
| **Product Information** | This entity includes product information of product ID, product name, pricing, classification, supplier, category Id, Sub category Id. |
| **User Profile** | This entity includes every registered staff of the supermarket and the necessary information, e.g. the name, staff ID, address and phone number, password, department. |
| **Supplier Profile** | This entity includes all the suppliers of the supermarket and the necessary information, e.g. the name, supplier ID, address and phone number, contact person. |
| **Order** | This entity includes the information of the products placed by the store men to the suppliers and status of the orders (e.g. Pending or confirmed). |
| **Cash Register** | This entity includes the End-of-Day sales data (e.g. quantity of products sold per day) and the opening balance. |
| **Billing Details** | Billing Details: This entity includes the data of the orders placed by the customers. |
| **Classification Details** | Every different classification range (Fast, moderate and slow). |
| **Price Change** | Record of the price each time changed by the owner as a reference to the market strategy. |
| **Shelf Inventory** | The information of the product taken by the promoters and also includes the information of the Expired and Damaged products on the shelf. |
| **Store Inventory** | The information of the product placed by the store man and also includes the information of the Expired and Damaged products in the storage. |
| **Category** | This includes all the category of the products in the supermarket and each category has an ID. |
| **Subcategory** | This includes all the subcategory of the products in the supermarket and each subcategory has an ID and under each category there are names of the products for quick search. |