**Database Description**

**Course:** CST8285-311

**Assignment2**: ABC Grocery

**Group:** #16

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# Database Overview

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application

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The Database contains 3 tables namely “customer”, “orders” and “product”. The relationships between these tables are shown as above. One customer can place many orders. A product can appear in many orders and vice versa. The table “orders” can retrieve all the orders of a specific customer with the “customer\_id” and the items purchased using the “item\_id” fields.

# Table “customer”

Graphical user interface, application

Description automatically generated

|  |  |  |
| --- | --- | --- |
| **id** | int(12) | Primary key for the customer table. |
| **email** | varchar(255) | Each customer’s email address. |
| **username (unique)** | varchar(255) | Each customer’s username. |
| **password** | varchar(255) | Each customer’s password. |

# Table “product”

Graphical user interface, application

Description automatically generated

|  |  |  |
| --- | --- | --- |
| **Id** | int(12) | Primary key for the product table. |
| **prod\_name** | varchar(255) | Each product’s name. |
| **prod\_img\_link** | varchar(255) | Link to each product image for display. |
| **prod\_price** | decimal(20,2) | Each product’s price. |
| **type** | varchar(255) | Each product’s type. |

# Table “orders”

Graphical user interface, application

Description automatically generated

|  |  |  |
| --- | --- | --- |
| **surrogate\_key** | int(12) | Primary key for the orders table. |
| **customer\_id** | varchar(255) | Each order should be associated with corresponding “id” in the “customer” table. |
| **order\_id** | varchar(255) | Auto generated using the time when customer place their order using the PHP’s time() function. |
| **item\_id** | decimal(20,2) | “id” from the “product” table. |
| **Item\_quantitiy** | varchar(255) | Number of the same item that customer purchased in the same order. |