**[Project]**

**DETAIL DESIGN DOCUMENT**

**Data design**

**Project Code:**

**Document Code: <Project code>-DD – v<Version>**

### <Location, issued date of the Document>

**RECORD OF CHANGE**

#### \*A - Added M - Modified D – Deleted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Effective Date | Changed Items | A\* M, D | Change Description | New Version |
| 16/11/2017 | Table: product | A | Add two column into table product. This is product\_price and product\_quantity. | 1.0.1 |
| 16/11/2017 | Table : user | A | Add two column into table user. This is user\_addpress and user\_phone. |
| 16/11/2017 | Database:Xe\_May |  | Add table customer into database Xe\_May |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**SIGNATURE PAGE**

**ORIGINATOR:**<Name>Nguyễn Hoàng Duy <Date>16/11/2017

#### <Position>Trà sữa Domino.

**REVIEWERS:** <Name>Nguyễn Trung Thức <Date>16/11/2017

#### <Position>Trà sữa Domino

<Name>Nguyễn Văn Khoa <Date>16/11/2017

#### <Position>Trà sữa Domino

<Name>Đặng Ngọc Ánh <Date>16/11/2017

#### <Position>Trà sữa Domino

**APPROVAL:** <Name>Nguyễn Trung Thức <Date>16/11/2017

#### <Position>Trà sữa Domino

<Name>Nguyễn Văn Khoa <Date>16/11/2017

#### <Position>Trà sữa Domino

<Name>Đặng Ngọc Ánh <Date>16/11/2017

#### <Position>Trà sữa Domino

MỤC LỤC

[1. MÔ HÌNH DỮ LIỆU QUAN HỆ. 5](#_Toc498639180)

[2. DATABASE 6](#_Toc498639181)

[2.1 *User table* 7](#_Toc498639182)

[2.2 *Moto\_model table* 7](#_Toc498639183)

[2.3 *Producer table* 8](#_Toc498639184)

[2.4 *Orders\_Detail table* 8](#_Toc498639185)

[2.5 *Employer\_table* 9](#_Toc498639186)

[2.6 *Orders\_table* 9](#_Toc498639187)

[2.7 *Product\_table* 10](#_Toc498639188)

[2.8 *Customer\_table* 11](#_Toc498639189)

# MÔ HÌNH DỮ LIỆU QUAN HỆ



Mô tả được tạo với mức tin cậy rất cao

# DATABASE

<List of tables and brief description>

|  |  |  |
| --- | --- | --- |
| **No** | **Table Name** | **+Decription** |
| 01 | Customer | Save information of customer |
| 02 | Orders | Order made by customer to buy one or more products |
| 03 | Moto\_model | Save model motobike. |
| 04 | Producer | Save name and ID of producer. |
| 05 | Employer | Save information of employer. |
| 06 | Users | Save information of user. |
| 07 | Orders\_detail | Detail information of each products and orders in order |
| 08 | Product | Contains all information products of the store |

## User table

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Check** | **Description** |
| 01 | user\_id | int |  |  |  | x | P |  |  | Auto number |
| 02 | user\_name | nvarchar | 100 |  | x |  |  |  |  | Name of user |
| 03 | user\_address | nvarchar | 500 |  | x |  |  |  |  | Address of user |
| 04 | user\_phone | int | 11 |  | x |  |  |  |  | Phone of user |
| 05 | user\_email | nvarchar | 100 |  | x |  |  |  |  | Email of user |
| 06 | user\_password | nvarchar | 32 |  | x |  |  |  |  | Password of account user |
| 07 | user\_permission | int | 1 |  | x |  |  |  |  | Permission for user |

## Moto\_model table

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Check** | **Description** |
| 01 | moto\_model\_id | int |  |  |  | x | P |  |  | Auto number |
| 02 | moto\_model\_name | nvarchar | 500 |  | x |  |  |  |  | Name of moto\_model |
| 03 | model | nvarchar | 500 |  | x |  |  |  |  | Model |
| 04 | weight | float |  |  | x |  |  |  |  | Weight of motobike |
| 05 | size | float |  |  | x |  |  |  |  | Size of motobike |
| 06 | tank\_capacity | float |  |  | x |  |  |  |  | Tank\_capacity of motobike |
| 07 | warranty\_period | nvarchar | 50 |  | x |  |  |  |  | Period of warranties |
| 08 | categories\_name | nvarchar | 50 |  | x |  |  |  |  | Name of categories |

## Producer table

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Check** | **Description** |
| 01 | Producer\_id | int |  |  |  | x | P |  |  | Auto number |
| 02 | producer\_name | nvarchar | 500 |  | x |  |  |  |  | Name of producer |

## Orders\_Detail table

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Check** | **Description** |
| 01 | Orders\_detail\_id | int |  |  |  | x | P |  |  | Auto number |
| 02 | orders\_id | nvarchar | 100 |  | x |  | F |  |  | Information of orders |
| 03 | product\_id | nvarchar | 500 |  | x |  | F |  |  | Information of product |

## Employer\_table

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Check** | **Description** |
| 01 | employer\_id | int |  |  |  | x | P |  |  | Auto number |
| 02 | employer\_name | nvarchar | 100 |  | x |  |  |  |  | Name of employer |
| 03 | employer\_email | nvarchar | 500 |  | x |  |  |  |  | Email of employer |
| 04 | employer \_phone | int | 11 |  | x |  |  |  |  | Phone of employer |

## Orders\_table

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Check** | **Description** |
| 01 | orders\_id | | int |  |  |  | x | P |  |  | Auto number |
| 03 | Customer\_id | | int |  |  | x |  | F |  |  | Information of customer buy product |
| 04 | User\_id | | int |  |  | x |  | F |  |  | Information of user buy product |
| 05 | Total\_money | | int |  |  | x |  |  |  |  | Count money customer or user buy product |
| 06 | quantity | | int |  |  | x |  |  |  |  | quantity bought product |
| 07 | Orders\_date | | datatime |  |  | x |  |  |  |  | Date write orders |

## Product\_table

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Check** | **Description** |
| 01 | product\_id | int |  |  |  | x | P |  |  | Auto number |
| 02 | producer\_id | int |  |  | x |  | F |  |  | Information of producer |
| 03 | moto\_model\_id | int |  |  | x |  | F |  |  | Information of moto\_model |
| 04 | product\_name | nvarchar | 500 |  | x |  |  |  |  | Name of product |
| 05 | product\_image | nvarchar | 500 |  | x |  |  |  |  | Image of product |
| 06 | product\_price | int |  |  | x |  |  |  |  | Price product |
| 07 | product\_quantity | int |  |  | x |  |  |  |  | Quantity of product |
| 08 | product\_description | nvarchar | 1000 |  | x |  |  |  |  | Description product |
| 09 | product\_review | nvarchar | 1000 |  | x |  |  |  |  | Review product |

## Customer\_table

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **Field Name** | **Type** | **Length** | **Size** | **Null** | **Unique** | **P/F Key** | **Default** | **Check** | **Description** |
| 01 | customer\_id | int |  |  |  | x | P |  |  | Auto number |
| 02 | customer\_name | nvarchar | 100 |  | x |  |  |  |  | Name of customer |
| 03 | customer\_phone | int | 11 |  | x |  |  |  |  | Phone number of customer |
| 04 | customer\_email | nvarchar | 11 |  | x |  |  |  |  | Email of customer |
| 05 | customer\_address | nvarchar | 100 |  | x |  |  |  |  | Address of customer |