

**Sell Drug Online**

**Software Architecture**

Project code :SDO

Document code : SDO-DD-v1.0

**THU DUC COLLEGE OF TECHNOLOGY**

**Issue date of document : 20/3/2018**

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| Effective  date | Changed item | A\* M,D | Changed description | New version |
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**Signature Pages**

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1. **Introduction**
   1. **Purpose**
      * This profile will give the programmer and user the ability to see but the data used to create the application.
      * Inside the document will contain the database tables.
      * Reader of document: User, instructor.
   2. **Definitions, Acronyms and Abbreviations**

|  |  |  |
| --- | --- | --- |
| ***Abbreviations*** | ***Description*** | ***Comment*** |
| P/F key | Primary / Foreign key | Use to indicate that a field is a primary or foreign key in table |
|  |  |  |
|  |  |  |
|  |  |  |

* 1. **References**

|  |  |
| --- | --- |
| ***Document number*** | ***Tittle*** |
| UI design document |  |
| Software requirement specification |  |
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* 1. **Overview**
* The document has a new table has a firebase table will compatible with many of the tables

1. **Database**
   1. **User table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID\_User | Int | 4 |  |  | x | P |  | Code of id user, auto increment. |
| 02 | Username | Char | 40 |  |  | x |  |  | Code of username |
| 03 | Password | Text | 25 |  |  |  |  |  | Code of password |
| 04 | Name | Text | 255 |  |  |  |  |  | Code of name |
| 05 | Phone | Text | 20 |  |  |  |  |  | Code of phone |
| 06 | Address | Text | 255 |  |  |  |  |  | Code of address |

* 1. **Seller table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID\_Seller | Int | 4 |  |  | x | P |  | Code of id seller , auto increment. |
| 02 | Username | Char | 40 |  |  | x |  |  | Code of username |
| 03 | Password | Text | 25 |  |  |  |  |  | Code of password |
| 04 | NameShop | Text | 255 |  |  |  |  |  | Code of nameshop |
| 05 | Phone | Text | 20 |  |  |  |  |  | Code of phone |
| 06 | Address | Text | 255 |  |  |  |  |  | Code of address |
| 07 | IdentifyCard | Text | 50 |  |  |  |  |  | Code of identifycard |

* 1. **Logistics table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID\_Logistics | Int | 4 |  |  | x | P |  | Code of id logistics , auto increment. |
| 02 | Username | Char | 40 |  |  | x |  |  | Code of username |
| 03 | Password | Text | 25 |  |  |  |  |  | Code of password |
| 04 | NameLogistics | Text | 255 |  |  |  |  |  | Code of name logistic |
| 05 | Phone | Text | 20 |  |  | x |  |  | Code of phone |
| 06 | Address | Text | 255 |  |  | x |  |  | Code of address |
| 07 | Count number of vehicles | Text | 50 |  |  |  |  |  | Code of  count number vehicle |

* 1. **Shipper table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID | Int | 4 |  |  | x | P |  | Code of id shipper , auto increment. |
| 02 | Username | Char | 40 |  |  |  |  |  | Code of username |
| 03 | Password | Text | 25 |  |  |  |  |  | Code of password |
| 04 | NameShipper | Text | 255 |  |  |  |  |  | Code of name shipper |
| 05 | Phone | Text | 20 |  |  |  |  |  | Code of phone |
| 06 | Address | Text | 255 |  |  |  |  |  | Code of address |
| 07 | Vehicle number | Text | 50 |  |  |  |  |  | Code of vehicle number |

* 1. **Drug table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID\_drug | Int | 4 |  |  | x | P |  | Code of id drug. |
| 02 | NameDrug | Text | 255 |  |  |  |  |  | Code of Drug name |
| 03 | UsesDrug | Text | 255 |  |  |  |  |  | Code of uses drug |
| 04 | Price | Text | 40 |  |  |  |  |  | Code of price |
| 05 | Amount | Number | 4 |  |  |  |  |  | Code of amount |
| 06 | Source | Text | 40 |  |  |  |  |  | Code of source |
| 07 | Describe | Text | 255 |  |  |  |  |  | Code of describe |

* 1. **Warehouse table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID\_Warehouse | Int | 4 |  |  | x | P |  | Code of id warehouse, auto increment. |
| 02 | ID\_drug | Int | 4 |  |  |  | F |  | Code of id drug |
| 03 | Drug name | Text | 255 |  |  |  |  |  | Code of drug name |
| 04 | Day | Date | 20 |  |  |  |  |  | Code of day |
| 05 | Total price | Text | 20 |  |  |  |  |  | Code of total price |

* 1. **Order table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID\_order | Int | 4 |  |  |  | P |  | Code of id order |
| 02 | Drug name | Text | 255 |  |  |  |  |  | Code of drug name |
| 03 | Day | Date | 20 |  |  |  |  |  | Code of day |
| 04 | Status | Text | 50 |  |  | X |  |  | Code of status, auto |

* 1. **Transport table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID\_logistics | Int | 4 |  |  |  | F |  | Code of id logistics |
| 02 | Area | Text | 255 |  |  |  |  |  | Code of address user |
| 03 | Drug name | Text | 255 |  |  |  |  |  | Code of drug name |
| 04 | Vehicle | Text | 20 |  |  |  |  |  | Code of vehicle number |
| 05 | ID\_Order | Int | 4 |  |  |  | F |  | Code of id order |

* 1. **Delivery schedule**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID\_Order | Int | 4 |  |  |  | F |  | Code of id order |
| 02 | Address | Text | 255 |  |  | x |  |  | Code of address user |
| 03 | Phone | Text | 20 |  |  | x |  |  | Code of phone user |

* 1. **Firebase table**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No*** | ***Field Name*** | ***Type*** | ***Length*** | ***Size*** | ***Null*** | ***Unique*** | ***P/F key*** | ***Default*** | ***Descriptions*** |
| 01 | ID\_user | Int | 4 |  |  |  | F |  | Code of id user. |
| 02 | Username | Char | 40 |  |  | x |  |  | Code of username |
| 03 | Password | Text | 25 |  |  |  |  |  | Code of password |
| 04 | Name | Text | 255 |  |  |  |  |  | Code of name |
| 05 | Phone | Text | 20 |  |  | x |  |  | Code of phone |
| 06 | Address | Text | 255 |  |  | x |  |  | Code of address |
|  |  |  |  |  |  |  |  |  |  |
| 01 | ID\_seller | Int | 4 |  |  |  | F |  | Code of id seller |
| 02 | Username | Char | 40 |  |  |  |  |  | Code of username |
| 03 | Password | Text | 25 |  |  |  |  |  | Code of password |
| 04 | Name | Text | 255 |  |  |  |  |  | Code of name |
| 05 | Phone | Text | 20 |  |  | x |  |  | Code of phone |
| 06 | Address | Text | 255 |  |  | x |  |  | Code of address |
|  |  |  |  |  |  |  |  |  |  |
| 01 | ID\_shipper | Int | 4 |  |  |  | F |  | Code of id logistics |
| 02 | Username | Char | 40 |  |  |  |  |  | Code of username |
| 03 | Password | Text | 25 |  |  |  |  |  | Code of password |
| 04 | NameShipper | Text | 255 |  |  |  |  |  | Code of name shipper |
| 05 | Phone | Text | 20 |  |  | x |  |  | Code of phone |
| 06 | Address | Text | 255 |  |  | x |  |  | Code of address |
|  |  |  |  |  |  |  |  |  |  |
| 01 | ID\_drug | Int | 4 |  |  |  | F |  | Code of id drug. |
| 02 | NameDrug | Text | 255 |  |  |  |  |  | Code of Drug name |
| 03 | UsesDrug | Text | 255 |  |  |  |  |  | Code of uses drug |
| 04 | Price | Text | 40 |  |  |  |  |  | Code of price |
| 05 | Amount | Number | 4 |  |  |  |  |  | Code of amount |
| 06 | Source | Text | 40 |  |  |  |  |  | Code of source |
| 07 | Describe | Text | 255 |  |  |  |  |  | Code of describe |
|  |  |  |  |  |  |  |  |  |  |
| 01 | ID\_Warehouse | Int | 4 |  |  |  | F |  | Code of id warehouse, auto increment. |
| 02 | ID\_drug | Int | 4 |  |  |  |  |  | Code of id drug |
| 03 | Drug name | Text | 255 |  |  |  |  |  | Code of drug name |
| 04 | Day | Date | 20 |  |  |  |  |  | Code of day |
| 05 | Total price | Text | 20 |  |  |  |  |  | Code of total price |
|  |  |  |  |  |  |  |  |  |  |
| 01 | ID\_order | Int | 4 |  |  |  | F |  | Code of id order |
| 02 | Drug name | Text | 255 |  |  |  |  |  | Code of drug name |
| 03 | Day | Date | 20 |  |  |  |  |  | Code of day |
| 04 | Status | Text | 50 |  |  |  |  |  | Code of status, auto |
|  |  |  |  |  |  |  |  |  |  |
| 01 | ID\_Order | Int | 4 |  |  |  | F |  | Code of id order |
| 02 | Address | Text | 255 |  |  | x |  |  | Code of address user |
| 03 | Phone | Text | 20 |  |  | x |  |  | Code of phone user |