# Database Schema

## farmers\_farmer

|  |  |  |
| --- | --- | --- |
| STT | Tên thuộc tính | Kiểu dữ liệu |
| 1 | id | bigint(20) |
| 2 | farmer\_code | varchar(20) |
| 3 | name | varchar(200) |
| 4 | farmer\_type | varchar(20) |
| 5 | phone | varchar(17) |
| 6 | email | varchar(254) |
| 7 | province | varchar(100) |
| 8 | district | varchar(100) |
| 9 | ward | varchar(100) |
| 10 | address | longtext |
| 11 | farming\_region | varchar(200) |
| 12 | total\_farm\_area | decimal(10,2) |
| 13 | active\_farm\_area | decimal(10,2) |
| 14 | farming\_experience | int(11) |
| 15 | main\_crops | longtext |
| 16 | certifications | varchar(20) |
| 17 | certification\_number | varchar(100) |
| 18 | certification\_expiry | date |
| 19 | bank\_name | varchar(100) |
| 20 | bank\_account | varchar(50) |
| 21 | account\_holder | varchar(100) |
| 22 | tax\_code | varchar(20) |
| 23 | rating | decimal(3,2) |
| 24 | total\_reviews | int(11) |
| 25 | is\_verified | tinyint(1) |
| 26 | is\_active | tinyint(1) |
| 27 | is\_featured | tinyint(1) |
| 28 | created\_at | datetime(6) |
| 29 | updated\_at | datetime(6) |

## inventory\_inventorystock

|  |  |  |
| --- | --- | --- |
| STT | Tên thuộc tính | Kiểu dữ liệu |
| 1 | id | bigint(20) |
| 2 | quantity | decimal(10,2) |
| 3 | reserved\_quantity | decimal(10,2) |
| 4 | min\_stock\_level | decimal(10,2) |
| 5 | max\_stock\_level | decimal(10,2) |
| 6 | last\_updated | datetime(6) |
| 7 | product\_id | bigint(20) |
| 8 | warehouse\_id | bigint(20) |

## inventory\_warehouse

|  |  |  |
| --- | --- | --- |
| STT | Tên thuộc tính | Kiểu dữ liệu |
| 1 | id | bigint(20) |
| 2 | name | varchar(100) |
| 3 | code | varchar(20) |
| 4 | address | longtext |
| 5 | capacity | decimal(10,2) |
| 6 | is\_active | tinyint(1) |
| 7 | created\_at | datetime(6) |
| 8 | manager\_id | bigint(20) |

## orders\_order

|  |  |  |
| --- | --- | --- |
| STT | Tên thuộc tính | Kiểu dữ liệu |
| 1 | id | bigint(20) |
| 2 | order\_number | varchar(50) |
| 3 | order\_type | varchar(20) |
| 4 | status | varchar(20) |
| 5 | payment\_status | varchar(20) |
| 6 | priority | varchar(10) |
| 7 | order\_date | datetime(6) |
| 8 | delivery\_date | date |
| 9 | expected\_delivery | date |
| 10 | shipping\_address | longtext |
| 11 | shipping\_contact | varchar(100) |
| 12 | shipping\_phone | varchar(15) |
| 13 | subtotal | decimal(15,2) |
| 14 | tax\_amount | decimal(15,2) |
| 15 | shipping\_cost | decimal(15,2) |
| 16 | discount\_amount | decimal(15,2) |
| 17 | total\_amount | decimal(15,2) |
| 18 | tracking\_number | varchar(100) |
| 19 | estimated\_weight | decimal(10,2) |
| 20 | actual\_weight | decimal(10,2) |
| 21 | notes | longtext |
| 22 | internal\_notes | longtext |
| 23 | created\_at | datetime(6) |
| 24 | updated\_at | datetime(6) |
| 25 | created\_by\_id | bigint(20) |
| 26 | customer\_id | bigint(20) |
| 27 | farmer\_id | bigint(20) |
| 28 | updated\_by\_id | bigint(20) |

## orders\_orderdetail

|  |  |  |
| --- | --- | --- |
| STT | Tên thuộc tính | Kiểu dữ liệu |
| 1 | id | bigint(20) |
| 2 | quantity | decimal(10,2) |
| 3 | unit\_price | decimal(12,2) |
| 4 | total\_price | decimal(15,2) |
| 5 | tax\_rate | decimal(5,2) |
| 6 | discount\_rate | decimal(5,2) |
| 7 | notes | longtext |
| 8 | order\_id | bigint(20) |
| 9 | product\_id | bigint(20) |

## payments\_payment

|  |  |  |
| --- | --- | --- |
| STT | Tên thuộc tính | Kiểu dữ liệu |
| 1 | id | bigint(20) |
| 2 | payment\_code | varchar(50) |
| 3 | payment\_type | varchar(20) |
| 4 | amount | decimal(15,2) |
| 5 | payment\_method | varchar(20) |
| 6 | status | varchar(20) |
| 7 | payment\_date | date |
| 8 | due\_date | date |
| 9 | bank\_name | varchar(100) |
| 10 | bank\_account | varchar(50) |
| 11 | transaction\_reference | varchar(100) |
| 12 | notes | longtext |
| 13 | exchange\_rate | decimal(10,4) |
| 14 | currency | varchar(3) |
| 15 | created\_at | datetime(6) |
| 16 | updated\_at | datetime(6) |
| 17 | approved\_by\_id | bigint(20) |
| 18 | created\_by\_id | bigint(20) |
| 19 | customer\_id | bigint(20) |
| 20 | farmer\_id | bigint(20) |
| 21 | order\_id | bigint(20) |

## products\_category

|  |  |  |
| --- | --- | --- |
| STT | Tên thuộc tính | Kiểu dữ liệu |
| 1 | id | bigint(20) |
| 2 | name | varchar(100) |
| 3 | description | longtext |
| 4 | image | varchar(100) |
| 5 | is\_active | tinyint(1) |
| 6 | created\_at | datetime(6) |

## products\_product

|  |  |  |
| --- | --- | --- |
| STT | Tên thuộc tính | Kiểu dữ liệu |
| 1 | id | bigint(20) |
| 2 | code | varchar(20) |
| 3 | name | varchar(200) |
| 4 | description | longtext |
| 5 | origin | varchar(20) |
| 6 | origin\_country | varchar(100) |
| 7 | quality\_grade | varchar(5) |
| 8 | cost\_price | decimal(12,2) |
| 9 | selling\_price | decimal(12,2) |
| 10 | export\_price | decimal(12,2) |
| 11 | shelf\_life\_days | int(10) unsigned |
| 12 | storage\_temperature\_min | double |
| 13 | storage\_temperature\_max | double |
| 14 | humidity\_requirement | varchar(50) |
| 15 | hs\_code | varchar(20) |
| 16 | tax\_rate | decimal(5,2) |
| 17 | image | varchar(100) |
| 18 | is\_active | tinyint(1) |
| 19 | created\_at | datetime(6) |
| 20 | updated\_at | datetime(6) |
| 21 | category\_id | bigint(20) |
| 22 | unit\_id | bigint(20) |