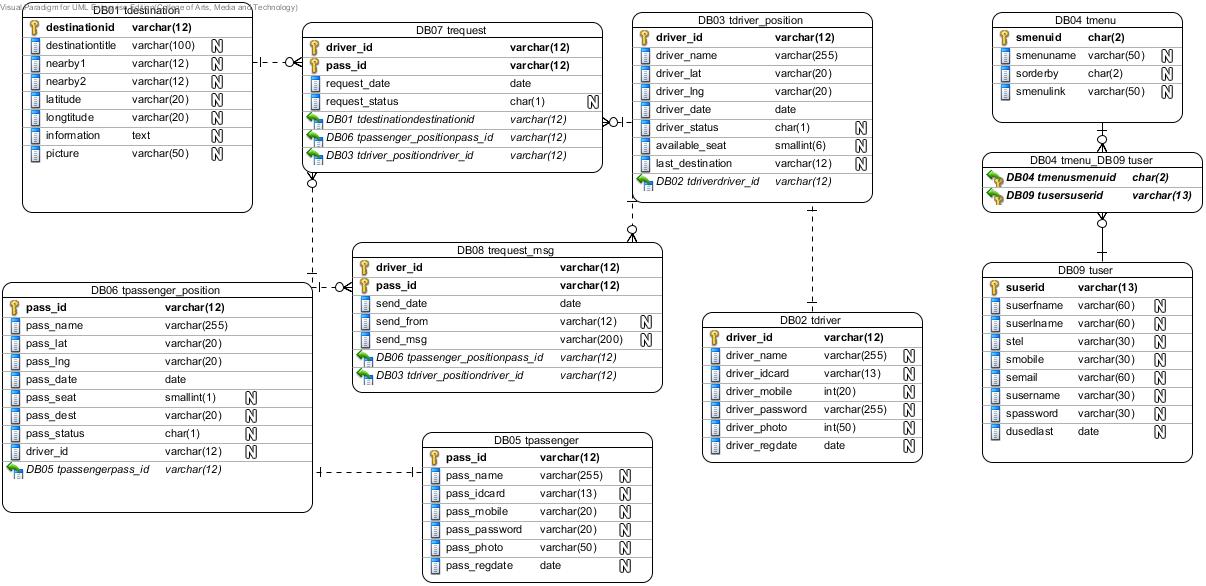
**Chapter Three | Detail Design**

**3.1 Database Design**

****

*Figure 6: Database design.*

**DB01 tdestination**

*Figure6-1: Database design DB01 tdestination*

*-store the infomation of the destination that will be provided in the system for maching condion of Driver-Passenger.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Length** | **PK/FK** | **Null able** | **Description** |
| **destinationid** | varchar | 12 | PK | No | This variable is declared as an identification number of each destination.  (e.g. 140510043030) |
| **destinationtitle** | varchar | 100 | - | Yes | This variable is for the title of the destination.  (e.g. Thaphae Gate) |
| **nearby1** | varchar | 12 | - | Yes | This variable is for represent the destination ID of one of two places that located near by the destination.  (e.g. 140519040517) |
| **nearby2** | varchar | 12 | - | Yes | This variable is used to represent the destination ID of one of two places that located near by the destination.  (e.g. 14051905032) |
| **latitude** | varchar | 20 | - | Yes | This variable is used to describe the latitude value of a destination.  (e.g. 18.78801743704621) |
| **longtitude** | varchar | 20 | - | Yes | This variable is used to describe the longitude value of a destination. (e.g. 98.9937686920166) |
| **information** | text | - | - | Yes | This variable is used to describe the information about the destination. |
| **picture** | varchar | 50 | - | Yes | This variable is used to name the image file. Numeric digits and alphabets can be used.  (e.g. 1309799402.jpg) |

**DB-02 tdriver**

*Figure6-2: Database design DB02 tdriver*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Length** | **PK/FK** | **Null able** | **Description** |
| **driver\_id** | varchar | 12 | PK | No | This variable is used as an identification number for the driver.  (e.g. 140425101020) |
| **driver\_name** | varchar | 255 | - | Yes | This variable is used to identify the driver’s name.  (e.g. somchaijaidee) |
| **driver\_idcard** | varchar | 13 | - | Yes | This variable is used to represent the driver’s national identification number.  (e.g. 4589666636669) |
| **driver\_mobile** | varchar | 20 | - | Yes | This variable is used to represent the driver’s mobile phone number.  (e.g. 0859696696) |
| **driver\_password** | varchar | 20 | - | Yes | This variable is used to represent the driver’s password.  (e.g. drv01) |
| **driver\_photo** | varchar | 50 | - | Yes | This variable is used to display the image of the driver. |
| **driver\_regdate** | datetime | - | - | Yes | This variable is used to show the driver’s date and time of registration.  (e.g. 2014-04-25 12:47:39) |
| **driver\_label** | varchar | 50 | - | Yes |  |
| **driver\_lat** | varchar | 20 | - | No | This variable is used to represent the latitude of driver’s position.  (e.g. 18.67903) |
| **driver\_lng** | varchar | 20 | - | No | This variable is used to represent the longtitude of driver’s position.  (e.g. 98.92146333333334) |
| **driver\_date** | datetime | - | - | No |  |
| **driver\_status** | char | 1 | - | Yes |  |
| **avialable\_seat** | smallint | 6 |  | Yes |  |
| **last\_destination** | varchar | 12 |  | Yes |  |

**DB-03 tmenu**

*Figure6-3: Database design DB03 tmenu.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Length** | **PK/FK** | **Null able** | **Description** |
| **smenuid** | char | 2 | PK | No | This variable represents the id for each menu.  (e.g. 01) |
| **smenuname** | varchar | 50 | - | Yes | This variable represents the name for each menu.  (e.g. destinations) |
| **sorderby** | char | 2 |  | Yes | This variable sorts the menu according to an order.  (e.g. 01) |
| **smenulink** | varchar | 50 | - | Yes | This variable links the menu to various pages.  (e.g. placelst.php) |

**DB-04 tpassenger**

*Figure6-4: Database design DB04 tpassenger.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Length** | **PK/FK** | **Null able** | **Description** |
| **pass\_id** | varchar | 12 | PK | No | This variable is used as an identification number for the passenger. (e.g. 140425101020) |
| **pass\_name** | varchar | 255 | - | Yes | This variable is used to identify the passenger’s name. (e.g. RoseappleArmia) |
| **pass\_idcard** | varchar | 13 | - | Yes | This variable is used to represent the passenger’s national identification number. (e.g. 4589666636669) |
| **pass\_mobile** | varchar | 20 | - | Yes | This variable is used to represent the passenger’s mobile phone number. (e.g. 0804589659) |
| **pass\_password** | varchar | 20 | - | Yes | This variable is used to represent the passenger’s password. (e.g. drv01) |
| **pass\_photo** | varchar | 50 | - | Yes | This variable is used to display the image of the passenger. |
| **pass\_regdate** | datetime | - | - | Yes | This variable is used to show the passenger’s date and time of registration. (e.g. 2014-04-25 12:47:39) |
| **pass\_lat** | varchar | 20 | - | No |  |
| **pass\_lng** | varchar | 20 | - | No |  |
| **pass\_date** | datetime | - | - | No |  |
| **pass\_seat** | smallint | 6 | - | Yes |  |
| **pass\_dest** | varchar | 12 | - | Yes |  |
| **pass\_status** | char | 1 | - | Yes |  |
| **driver\_id** | varchar | 12 | - | Yes |  |

**DB-05**[**trequest**](http://theredtaxiservice.com:8880/domains/databases/phpMyAdmin/sql.php?server=1&db=theredta_db&table=tdriver_position&pos=0&token=a07dd9e2971e344c2200897200b6903a)

*Figure6-5: Database design DB05 trequest.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Length** | **PK/FK** | **Null able** | **Description** |
| **driver\_id** | varchar | 12 | PK | No | This variable is used as an identification number for the driver.  (e.g. 140529051946) |
| **pass\_id** | varchar | 12 | PK | No | This variable is used as an identification number for the passenger.  (e.g. 140602012236) |
| **request\_date** | datetime | - | - | No | This variable is used to show the date and time of request.  (e.g. 2014-07-06 17:00:45) |
| **request\_status** | char | 1 | - | Yes | This variable uses numerical values to indicate the status of the request.   1=Request, 2=Accept, 3=Reject/Offline |

**DB-06 trequest\_msg**

*Figure6-6: Database design DB06trequest\_msg.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Length** | **PK/FK** | **Null able** | **Description** |
| **driver\_id** | varchar | 12 | PK | No | This variable is used as an identification number for the driver. (e.g. 140529051946) |
| **pass\_id** | varchar | 12 | PK | No | This variable is used as an identification number for the passenger. (e.g. 123456789456) |
| **send\_date** | datetime | - | - | No | This variable is used to show the date and time of request. (e.g. 2014-07-06 22:17:12) |
| **send\_from** | varchar | 12 | - | Yes | This variable uses numerical values to indicate the status of the request.   1=Request, 2=Accept, 3=Reject |
| **send\_msg** | Varchar | 200 |  | Yes | This variable is a chat message. |

**DB-07tuser**

*Figure7-9: Database design DB07 tuser*.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Data type** | **Length** | **PK/FK** | **Null able** | **Description** |
| **suserid** | varchar | 13 | PK | No | This variable is used as an identification number for the Administrator. (e.g. 1) |
| **suserfname** | varchar | 60 | - | Yes | This variable is used for the Administrator’s first name. (e.g. sompop) |
| **suserlname** | varchar | 60 | - | Yes | This variable is used for the Administrator’s last name. (e.g. suwatt) |
| **stel** | varchar | 30 | - | Yes | This variable is used for the Administrator’s home number. (e.g. 053-000000) |
| **smobile** | varchar | 30 |  | Yes | This variable is used for the Administrator’s mobile number. (e.g. 059-xxx-xxx) |
| **semail** | **varchar** | **60** |  | Yes | This variable is used for the Administrator’s email address. (e.g. maumiv@hotmail.com) |
| **susername** | **varchar** | **30** |  | Yes | This variable is used for the Administrator’s username. (e.g. admin) |
| **spassword** | **varchar** | **30** |  | Yes | This variable is used for the Administrator’s password. (e.g. admin) |
| **ssec** | **varchar** | **60** |  | Yes | This variable is used for the Administrator’s rights to edit/make changes. (e.g. 111) |
| **scomment** | **varchar** | **255** |  | Yes | This variable is used for the Administrator to make comments. |
| **dusedlast** | **datetime** | **-** |  | Yes | This is variable is used to show the Administrator’s last access to the site. (e.g. 2014-07-06 21:02:36) |