|  |
| --- |
| DHBW |
| Extra Hand’s Database Documentation |
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| --- |
|  |

# TABLES

Before designing databases and tables, our team analyze what data would be collected and expected uses of the data in the system.

Below tables were identified throw several processes and were created and used in the system respectively.

## dbo.question

### Description:

In the Question table we record questions which our clients may have, and can use these data to find related needs.

Clients can write extra information or question for the needed services in the user interface of the system.

### Columns:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Name | | | **Data Type** | **Size** |
| questions | | | NVARCHAR | 255 |
| Parent\_key | | | NVARCHAR | 255 |
| Moreinfo | | | NVARCHAR | 255 |
| Question\_key | | | NVARCHAR | 255 |
| invisualized | | | BIT |  |

### Depending Objects:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.verbal\_answer | | | Table | 1 |
| dbo.visual\_answer | | | Table | 1 |

## dbo.service\_providers\_ref

### Description:

This table holds the relation between users and services, and it was identified during normalization of the hole database, which is acts as the bases of our services.

### Columns:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Name | | | **Data Type** | **Size** |
| sp\_id | | | INT |  |
| user\_id | | | INT |  |
| service\_id | | | INT |  |
| more\_info | | | NVARCHAR | 255 |

### Depending Objects:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.services | | | Table | 1 |
| dbo.users | | | Table | 1 |
| dbo.user\_serviceprovider | | | View | 1 |

## dbo.service\_providers

### Description:

Service providers (sps) are one of the main part of the system.

In the system sps are extended from users table with more information in service\_providers table which are the fundamental and essential information of the sps.

### Columns:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Name | | | **Data Type** | **Size** |
| sp\_id | | | INT |  |
| user\_id | | | INT |  |
| service\_id | | | INT |  |
| company\_name | | | NVARCHAR | 40 |
| address\_sp | | | NVARCHAR | 40 |
| telephone | | | NVARCHAR | 40 |
| website\_link | | | NVARCHAR | 40 |
| contact\_email | | | NVARCHAR | 50 |
| Zip | | | INT |  |
| city | | | NVARCHAR | 50 |
| about\_me | | | NVARCHAR | 255 |
| Verified | | | BIT |  |
| login\_user | | | NVARCHAR | 50 |

### Depending Objects:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.services | | | Table | 2 |
| dbo.users | | | Table | 1 |
| dbo.user\_serviceprovider | | | View | 1 |

## dbo.services

### Description:

The core of a business is the type of services which it provides, and all our business related services are stored in services table.

### Columns:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Name | | | **Data Type** | **Size** |
| sp\_id | | | INT |  |
| title | | | NVARCHAR | 255 |
| category | | | NVARCHAR | 255 |
| super\_cat | | | NVARCHAR | 50 |
| name | | | NVARCHAR | 50 |
| pic | | | NVARCHAR | 50 |
| info | | |  | 50 |

### Depending Objects:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.service\_prividers\_ref | | | Table | 1 |
| dbo.user\_serviceprovider | | | View | 1 |

## dbo.user\_address

### Description:

User\_address table was found as an essential table for our system, which we extend the information of clients in order to be able to serve them in better manner.

### Columns:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Name | | | **Data Type** | **Size** |
| address\_id | | | INT |  |
| login\_name | | | NVARCHAR | 40 |
| address\_1 | | | NVARCHAR | 120 |
| address\_2 | | | NVARCHAR | 120 |
| address\_3 | | | NVARCHAR | 120 |
| city\_name | | | NVARCHAR | 50 |
| state\_name | | | NVARCHAR | 20 |
| Country | | | NVARCHAR | 20 |
| PLZ | | | INT |  |

### Depending Objects:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.users | | | Table | 1 |

## dbo.users

### Description:

All basic informations of our platform users are stored in the users table, which is later widened into other tables based on the different types of the user which we have.

In order that our customers feels secure, passwords are stored encrypted using hashbytes and salt.

Combination of hashbytes (type SHA\_512) and salt makes it harder to decypt the data, salt is a randomly generated unique string using (UNIQUEIDENTIFIER) which is used in enterprises for password encryption as standard.

### Columns:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Name | | | **Data Type** | **Size** |
| user\_id | | | INT |  |
| login\_name | | | NVARCHAR | 40 |
| password\_hash | | | HASHBYTES | 64 |
| first\_name | | | NVARCHAR | 40 |
| last\_name | | | NVARCHAR | 40 |
| Salt | | | UNIQUEIDENTIFIER |  |
| email | | | NVARCHAR | 50 |
| admin\_rights | | | BIT |  |
| profile\_pic\_url | | | NVARCHAR | 255 |

### Depending Objects:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.user\_address | | | Table | 1 |
| dbo.service\_providers | | | Table | 1 |
| dbo.service\_prividers\_ref | | | Table | 1 |
| dbo.user\_services | | | Table | 1 |
| dbo.user\_serviceprovider | | | View | 1 |

## dbo.verbal\_answer

### Description:

For user friendliness of our platform user’s needs are generated in two types of Descriptive and Visual demonstration, which the descriptives are stored in verbal\_answer table.

### Columns:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Name | | | **Data Type** | **Size** |
| question\_key | | | VARCHAR | 255 |
| txt | | | VARCHAR | 255 |
| id | | | INT |  |
| next\_slide\_key | | | VARCHAR | 255 |

### Depending Objects:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.question | | | Table | 1 |
| dbo.visual\_answer | | | Table | 1 |

## dbo.visual\_answer

### Description:

For user friendliness of our platform user’s needs are generated in two types of Descriptive and Visual demonstration, which the visuals are stored in visual\_answer table.

### Columns:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Name | | | **Data Type** | **Size** |
| question\_key | | | VARCHAR | 255 |
| image\_description | | | VARCHAR | 255 |
| id | | | INT |  |
| next\_slide\_key | | | VARCHAR | 255 |
| image\_caption | | | VARCHAR | 255 |
| image\_url | | | VARCHAR | 255 |

### Depending Objects:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.question | | | Table | 1 |
| dbo.verbal\_answer | | | Table | 1 |

## Relation of Tables:

# VIEWS

## dbo.user\_serviceprovider

### Description:

Our aim of the project is not only creating a functional one, but one that is compatible with current standards.

Despite that our project isn’t faced much traffic yet, but we still wanted to design it in the best manner and considered the performance of our database as one of our priorities.

One method to tune a database for better performance is to use materialized views, this view is used for joining different information related users and services and service providers.

### Columns:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Description | Datatype | Length | Allow Nulls | Default | Formula |
|  | **user\_id** | Summary | int | 4 |  |  |  |
|  | **first\_name** | Summary | nvarchar | 40 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |
|  | **last\_name** | Summary | nvarchar | 40 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |
|  | **email** | Summary | nvarchar | 50 |  |  |  |
|  | **company\_name** | Summary | nvarchar | 40 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |
|  | **address\_sp** | Summary | nvarchar | 40 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |
|  | **telephone** | Summary | nvarchar | 40 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |
|  | **website\_link** | Summary | nvarchar | 40 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |
|  | **contact\_email** | Summary | nvarchar | 50 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |
|  | **zip** | Summary | int | 4 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |
|  | **city** | Summary | nvarchar | 50 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |
|  | **about\_me** | Summary | nvarchar | 255 | C:\Users\akbar\OneDrive\Documents\Document! X\Extrahands4.me\template\packages\core-db\images\tick.gif |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Name | | | **Data Type** | **Size** |
| User\_id | | | INT |  |
| first\_name | | | NVARCHAR | 40 |
| last\_name | | | NVARCHAR | 40 |
| email | | | NVARCHAR | 50 |
| company\_name | | | NVARCHAR | 40 |
| address\_sp | | | NVARCHAR | 40 |
| telephone | | | NVARCHAR | 40 |
| website\_link | | | NVARCHAR | 40 |
| contact\_email | | | NVARCHAR | 50 |
| Zip | | | INT |  |
| city | | | NVARCHAR | 50 |
| about\_me | | | NVARCHAR | 255 |

### Objects that depends on dbo.user\_serviceprovider

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.uspSearchServiceProvider | | | Stored Procedure | 1 |

### Objects dbo.user\_serviceprovider depends on

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction | Description | | | | Data Type | Size |
| @pLogin | In | Summary | | | | nvarchar | 50 |
| @pAddress1 | In | Summary | | | | nvarchar | 120 |
| @pAddress2 | In | Summary | | | | nvarchar | 120 |
| @pAddress3 | In | Summary | | | | nvarchar | 120 |
| @pPLZ | In | Summary | | | | int | 4 |
| @pCity\_name | In | Summary | | | | nvarchar | 50 |
| @pState\_name | In | Summary | | | | nvarchar | 20 |
| @pCountry | In | Summary | | | | nvarchar | 20 |
| @responseMessage | Out | Summary | | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | | | | int | 4 |
| Database Object | | | **Object Type** | **Dep Level** |
| dbo.service\_providers | | | Table | 1 |
| dbo.users | | | Table | 1 |

# STORE PROCEDURES

## uspAddAddress:

### Description:

This procedure is used in the system to insert below mentioned parameters into user\_address table.

### Parameters:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Parameter | Direction |  | | | Description | | | Data Type | Size |
| @pLogin | In |  | | | Summary | | | nvarchar | 50 |
| @pAddress1 | In |  | | | Summary | | | nvarchar | 120 |
| @pAddress2 | In |  | | | Summary | | | nvarchar | 120 |
| @pAddress3 | In |  | | | Summary | | | nvarchar | 120 |
| @pPLZ | In |  | | | Summary | | | int | 4 |
| @pCity\_name | In |  | | | Summary | | | nvarchar | 50 |
| @pState\_name | In |  | | | Summary | | | nvarchar | 20 |
| @pCountry | In |  | | | Summary | | | nvarchar | 20 |
| @responseMessage | Out |  | | | Summary | | | nvarchar | 250 |
| @RETURN\_VALUE | Return Value |  | | | Summary | | | int | 4 |
| Parameter | | | **Direction** | **Direction** | | **Size** |
| @pLogin | | | In | NVARCHAR | | 50 |
| @pAddress1 | | | In | NVARCHAR | | 120 |
| @pAddress2 | | | In | NVARCHAR | | 120 |
| @pAddress3 | | | In | NVARCHAR | | 120 |
| @pPLZ | | | In | INT | |  |
| @pCity\_name | | | In | NVARCHAR | | 50 |
| @pState\_name | | | In | NVARCHAR | | 20 |
| @pCountry | | | In | NVARCHAR | | 20 |
| @responseMessage | | | Out | NVARCHAR | | 250 |
| @RETURN\_VALUE | | | Return Value | INT | |  |

### Depending Objects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |
| --- | --- | --- |
| Database Object | **Object Type** | **Dep Level** |
| dbo.user\_address | Table | 1 |
| dbo.users | Table | 2 |

## uspAddCategories:

### Description:

This procedure is used in the system to insert below mentioned parameters into categories table.

### Parameters:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | **Direction** | **Direction** | **Size** |
| @pCategorie | In | NVARCHAR | 50 |
| @pDescription | In | NVARCHAR | 50 |
| @pParentID | In | INT |  |
| @RETURN\_VALUE | Return Value | INT |  |

## uspAddUser:

### Description:

This procedure is used in the system to add new users into uses table.

### Parameters:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | **Direction** | **Direction** | **Size** |
| @pLogin | In | NVARCHAR | 50 |
| @pPassword | In | NVARCHAR | 50 |
| @pEmail | In | NVARCHAR | 50 |
| @responseMessage | Out | NVARCHAR | 250 |
| @RETURN\_VALUE | Return Value | INT |  |

### Depending Objects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |
| --- | --- | --- |
| Database Object | **Object Type** | **Dep Level** |
| dbo.users | Table | 1 |

## uspGetAllServicesOfProviders:

### Description:

This procedure is used in the system to show all service providers and services which they provide.

### Parameters:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | **Direction** | **Direction** | **Size** |
| @RETURN\_VALUE | Return Value | INT |  |

### Depending Objects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |
| --- | --- | --- |
| Database Object | **Object Type** | **Dep Level** |
| dbo.service\_prividers\_ref | Table | 1 |
| dbo.service\_providers | Table | 2 |
| dbo.services | Table | 2 |
| dbo.user\_serviceprovider | View | 1 |
| dbo.users | Table | 2 |

## uspLogin:

### Description:

This procedure receive login\_name and password of the user and check in database if the user and password matches with stored information, if the information provided is correct then user can login in and if password is wrong user receive (incorrect password) message and if login and or password both are wrong user receive (Invalid login) message.

### Parameters:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | **Direction** | **Direction** | **Size** |
| @pLoginName | In | NVARCHAR | 254 |
| @pPassword | In | NVARCHAR | 50 |
| @responseMessage | Out | NVARCHAR | 250 |
| @RETURN\_VALUE | Return Value | INT |  |

### Depending Objects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |
| --- | --- | --- |
| Database Object | **Object Type** | **Dep Level** |
| dbo.users | Table | 1 |

## uspSearchServiceProvider:

### Description:

This procedure search all service providers list which can provide a certain service.

### Parameters:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | **Direction** | **Direction** | **Size** |
| @pServices | In | NVARCHAR | 50 |
| @RETURN\_VALUE | Return Value | INT |  |

### Depending Objects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |
| --- | --- | --- |
| Database Object | **Object Type** | **Dep Level** |
| dbo.service\_prividers\_ref | Table | 1 |
| dbo.service\_providers | Table | 2 |
| dbo.services | Table | 2 |
| dbo.user\_serviceprovider | View | 1 |
| dbo.users | Table | 2 |

## uspService\_Provider:

### Description:

This procedure is used to insert information of the service provider in service\_providers table.

### Parameters:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | **Direction** | **Direction** | **Size** |
| @plogin\_user | In | NVARCHAR | 50 |
| @pcompany\_name | In | NVARCHAR | 40 |
| @paddress\_sp | In | NVARCHAR | 40 |
| @ptelephone | In | NVARCHAR | 40 |
| @pwebsite\_link | In | NVARCHAR | 40 |
| @pcontact\_email | In | NVARCHAR | 50 |
| @pzip | In | INT |  |
| @pcity | In | NVARCHAR | 50 |
| @pabout\_me | In | NVARCHAR | 255 |
| @pverified | In | BIT | 1 |
| @RETURN\_VALUE | Return Value | INT |  |

### Depending Objects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |
| --- | --- | --- |
| Database Object | **Object Type** | **Dep Level** |
| dbo.service\_providers | Table | 1 |
| dbo.users | Table | 2 |

## UspServices\_ref:

### Description:

This procedure gets login name of service provider and service name which a service provider can provide and convert the names into user\_id and service\_id and inserts them into service\_prividers\_ref table which is relation between service providers and services tables.

### Parameters:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | **Direction** | **Direction** | **Size** |
| @pLogin | In | NVARCHAR | 50 |
| @pservice | In | NVARCHAR | 50 |
| @pmore\_info | In | NVARCHAR | 50 |
| @RETURN\_VALUE | Return Value | INT |  |

### Depending Objects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |
| --- | --- | --- |
| Database Object | **Object Type** | **Dep Level** |
| dbo.service\_providers\_ref | Table | 1 |
| dbo.services | Table | 1 |
| dbo.users | Table | 1 |

## uspUserInfo:

### Description:

This procedure gets login name and password of a user and shows all related information.

### Parameters:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |  |
| --- | --- | --- | --- |
| Parameter | **Direction** | **Direction** | **Size** |
| @pLogin | In | NVARCHAR | 50 |
| @pPassword | In | NVARCHAR | 50 |
| @RETURN\_VALUE | Return Value | INT |  |

### Depending Objects:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Direction | Description | Data Type | Size |
| @pLogin | In | Summary | nvarchar | 50 |
| @pAddress1 | In | Summary | nvarchar | 120 |
| @pAddress2 | In | Summary | nvarchar | 120 |
| @pAddress3 | In | Summary | nvarchar | 120 |
| @pPLZ | In | Summary | int | 4 |
| @pCity\_name | In | Summary | nvarchar | 50 |
| @pState\_name | In | Summary | nvarchar | 20 |
| @pCountry | In | Summary | nvarchar | 20 |
| @responseMessage | Out | Summary | nvarchar | 250 |
| @RETURN\_VALUE | Return Value | Summary | int | 4 |

|  |  |  |
| --- | --- | --- |
| Database Object | **Object Type** | **Dep Level** |
| dbo.user\_address | Table | 1 |
| dbo.users | Table | 1 |