XXX Project

Version: 0.0.2

Database Design Document

April 2018

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 2018/4/25 | 0.0.1 |  | Jack |
| 2018/4/26 | 0.0.2 |  | Jack |
|  |  |  |  |

1. **Introduction**
   1. **Purpose**
   2. **Backgound**
2. **Architecture Design**
   1. **Surroundings**
3. **Database Design**
   1. **Entity-relationship diagram**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | client | | | |
| **Desc** |  | | | |
| **Field Seq** | **Field Name** | **Data Type** | **Null-able** | **Memo** |
| 1 | id | varchar(200) | No | guid |
|  | first\_name | varchar(255) | Yes |  |
|  | last\_name | varchar(255) | Yes |  |
|  | username | varchar(255) | Yes |  |
|  | email | varchar(255) | No |  |
|  | password | varchar(255) | No | SHA algorithm |
|  | date\_created | datetime | No | Default(datetime.now) |
|  | last\_modified | datetime | Yes |  | 8 | phone | bigint(20) | No |  |
|  | last\_login | datetime | Yes |  | 9 | timezone | varchar(4000) | Yes |  |
|  | status\_id | int(11) | No |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

SQL Code:

-- -----------------------------------------------------

-- Table `client`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `client` (

`id` VARCHAR(200) NOT NULL,

`first\_name` VARCHAR(255) NULL DEFAULT NULL,

`last\_name` VARCHAR(255) NULL DEFAULT NULL,

`username` VARCHAR(255) NULL DEFAULT NULL,

`email` VARCHAR(255) NOT NULL,

`password` VARCHAR(255) NOT NULL,

`date\_created` DATETIME NOT NULL,

`last\_modified` DATETIME NULL DEFAULT NULL,

`last\_login` DATETIME NULL DEFAULT NULL,

`status\_id` INT(11) NOT NULL,

PRIMARY KEY (`id`),

INDEX `user\_fk1\_idx` (`status\_id` ASC),

CONSTRAINT `user\_fk1`

FOREIGN KEY (`status\_id`)

REFERENCES `client\_status` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | client\_status | | | |
| **Desc** |  | | | |
| **Field Seq** | **Field Name** | **Data Type** | **Null-able** | **Memo** |
| 1 | id | int(11) unsigned | No | 1: active, 2: inactive |
| 2 | label | varchar(255) |  | Active, Inactive |

SQL Code:

-- -----------------------------------------------------

-- Table `client\_status`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `client\_status` (

`id` INT(11) NOT NULL,

`label` VARCHAR(255) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8;