

name of the database : WebSecu_DB

Register a User :

```
INSERT INTO users (username, full_name, age, hash_password) VALUES ('username', 'full name', age, 'hash_password in Sha3');
```

Get userid of one user :

```
SELECT userid FROM users WHERE username = username AND password_hash = SHA3(password) ;
```

Add a token (when userid = id) to token table and to diary table (=Authenticate)

```
INSERT INTO token (userid, token, validity ) VALUES (id, token, 1) ;  
INSERT INTO diary (token) VALUES (token) WHERE userid = id
```

Expire a token :

```
UPDATE token SET validity=0 WHERE token = token_value AND validity=1
```

Retrieve User information :

```
SELECT username, full_name, age FROM users WHERE token=token_value ;
```

Create a diary (when userid=id):

```
INSERT INTO diary (userid, title, author, public, text, publish_date) VALUES (id, title, author, boolean_public, text, date in format DATETIME) ;
```

Get all public diaries :

```
SELECT diary_id, title, author, publish_date, public, text FROM diary WHERE public=1 ;
```

Get all diary of the user :

```
SELECT diary_id, title, author, publish_date, public, text FROM diary WHERE token = token_value ;
```

Delete a diary :

```
DELETE FROM diary WHERE token=token_value AND diary_id = id ;
```

Change Permission :

```
UPDATE diary SET public = value WHERE diary.token=token_value AND diary.diary_id = id
```

