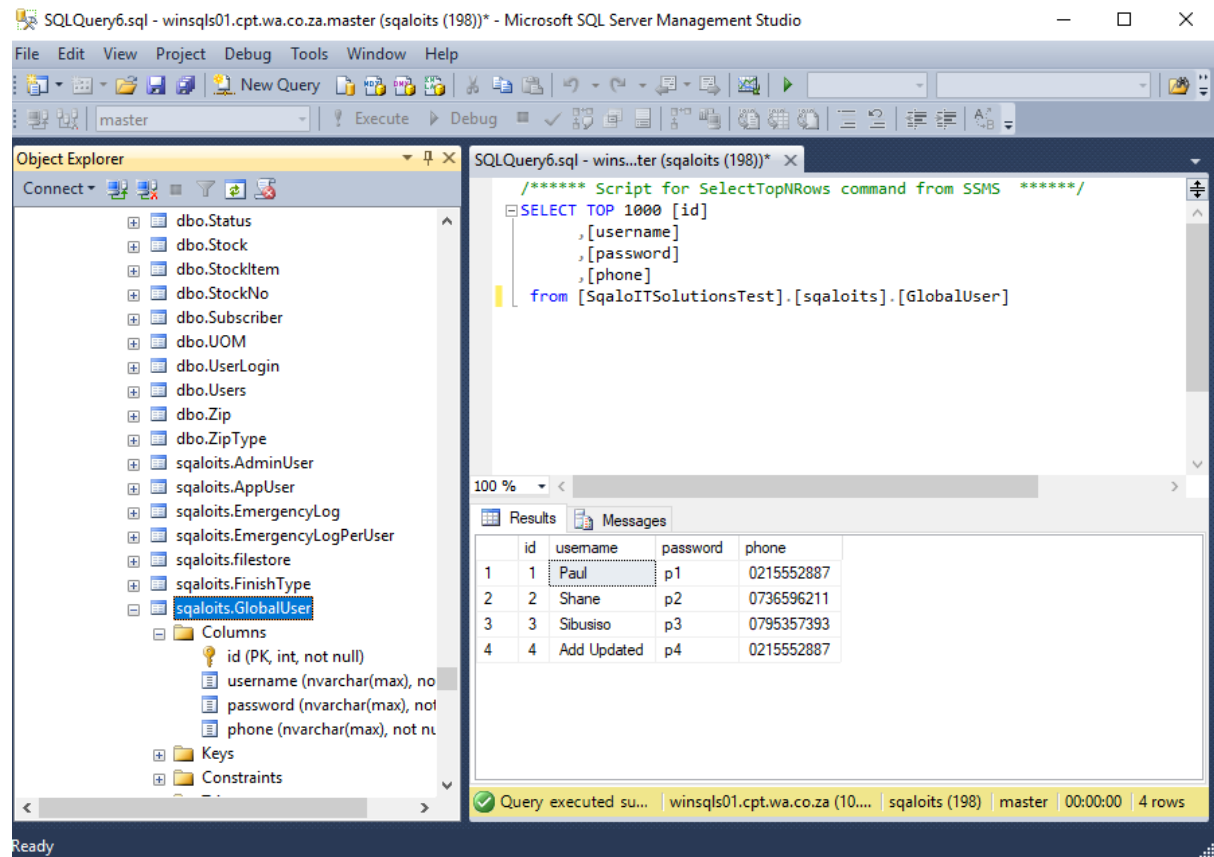


To Run Deploy the project in tomcat webserver.

## SQL Database Structure



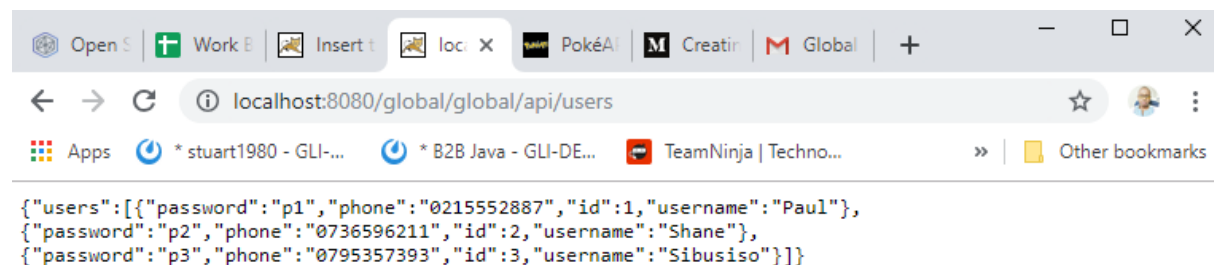
The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure, including tables like `dbo.Status`, `dbo.Stock`, `dbo.StockItem`, `dbo.StockNo`, `dbo.Subscriber`, `dbo.UOM`, `dbo.UserLogin`, `dbo.Users`, `dbo.Zip`, `dbo.ZipType`, `sqlaits.AdminUser`, `sqlaits.AppUser`, `sqlaits.EmergencyLog`, `sqlaits.EmergencyLogPerUser`, `sqlaits.filestore`, `sqlaits.FinishType`, and `sqlaits.GlobalUser`. The `sqlaits.GlobalUser` table is selected, showing its columns: `id` (PK, int, not null), `username` (nvarchar(max), not null), `password` (nvarchar(max), not null), and `phone` (nvarchar(max), not null). The query editor on the right contains the following SQL query:

```
/*----- Script for SelectTopNRows command from SSMS -----*/
SELECT TOP 1000 [id]
, [username]
, [password]
, [phone]
from [SqualoITSolutionsTest].[sqlaits].[GlobalUser]
```

The Results pane at the bottom shows the output of the query, displaying 4 rows of data:

	id	username	password	phone
1	1	Paul	p1	0215552887
2	2	Shane	p2	0736596211
3	3	Sibusiso	p3	0795357393
4	4	Add Updated	p4	0215552887

The status bar at the bottom indicates that the query was executed successfully, returning 4 rows.



The screenshot shows a web browser window with the address bar displaying `localhost:8080/global/global/api/users`. The browser tabs include "Open S", "Work B", "Insert t", "loc: x", "PokéAI", "Creatir", "Global", and "+". The page content displays a JSON response:

```
{
  "users": [
    {
      "password": "p1",
      "phone": "0215552887",
      "id": 1,
      "username": "Paul"
    },
    {
      "password": "p2",
      "phone": "0736596211",
      "id": 2,
      "username": "Shane"
    },
    {
      "password": "p3",
      "phone": "0795357393",
      "id": 3,
      "username": "Sibusiso"
    }
  ]
}
```

Postman

File Edit View Help

New Import Runner My Workspace Invite

POST Test POST http:// POST Token POST http:// GET http://servi GET http://lc

No Environment

GET http://localhost:8080/global/global/api/users

Send Save

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies (3) Headers (3) Test Results Status: 200 OK Time: 225 ms Size: 324 B Download

Pretty Raw Preview JSON

```
1 {
2   "users": [
3     {
4       "password": "p1",
5       "phone": "0215552887",
6       "id": 1,
7       "username": "Paul"
8     },
9     {
10      "password": "p2",
11      "phone": "0736596211",
12      "id": 2,
13      "username": "Shane"
14    },
15    {
16      "password": "p3",
17      "phone": "0795357393",
18      "id": 3,
19      "username": "Sibusiso"
20    }
21  ]
22 }
```

## Test Find UserByID Endpoint

Postman

File Edit View Help

New Import Runner My Workspace Invite

POST Test POST http:// POST Token POST http:// GET http://servi GET http://lc

No Environment

http://localhost:8080/global/global/api/user/1

GET http://localhost:8080/global/global/api/user/1

Send Save

Params Authorization Headers (1) Body Pre-request Script Tests Cookies Code Comments

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies (3) Headers (3) Test Results Status: 200 OK Time: 204 ms Size: 179 B Download

Pretty Raw Preview JSON

```
1 {
2   "password": "p1",
3   "phone": "0215552887",
4   "id": 1,
5   "username": "Paul"
6 }
```

# Test Add User Endpoint

The screenshot shows the Postman interface for a POST request to `http://localhost:8080/global/global/api/user/add`. The request body is a JSON object:

```
1 {
2   "username": "Add",
3   "password": "p4",
4   "phone": "0215552887"
5 }
6 ]
```

The response is displayed in the bottom pane, showing a 200 OK status. The response body is a JSON array of users:

```
1 {
2   "users": [
3     {
4       "password": "p1",
5       "phone": "0215552887",
6       "id": 1,
7       "username": "Paul"
8     },
9     {
10      "password": "p2",
11      "phone": "0736596211",
12      "id": 2,
13      "username": "Shane"
14     },
15     {
16      "password": "p3",
17      "phone": "0795357393",
18      "id": 3,
19      "username": "Sibusiso"
20     },
21     {
22      "password": "p4",
23      "phone": "0215552887",
24      "id": 4,
25      "username": "Add"
26     }
27   ]
28 }
```

# Test User Update Endpoint

The screenshot shows the Postman interface for a PUT request to `http://localhost:8080/global/global/api/user/update/4`. The request body is a JSON object:

```
1 {
2   "username": "Add Updated",
3   "password": "p4",
4   "phone": "0215552887"
5 }
6 }
```

The response is displayed in the bottom pane, showing a 200 OK status. The response body is a JSON array of users:

```
1 {
2   "users": [
3     {
4       "password": "p1",
5       "phone": "0215552887",
6       "id": 1,
7       "username": "Paul"
8     },
9     {
10      "password": "p2",
11      "phone": "0736596211",
12      "id": 2,
13      "username": "Shane"
14     },
15     {
16      "password": "p3",
17      "phone": "0795357393",
18      "id": 3,
19      "username": "Sibusiso"
20     },
21     {
22      "password": "p4",
23      "phone": "0215552887",
24      "id": 4,
25      "username": "Add Updated"
26     }
27   ]
28 }
```

```
Open S | Work B | Insert t | loc X | PokéAI | Creatin | Global | +

localhost:8080/global/global/api/users

Apps * stuart1980 - GLI-... * B2B Java - GLI-DE... TeamNinja | Techno...

{"users":[{"password":"p1","phone":"0215552887","id":1,"username":"Paul"},
{"password":"p2","phone":"0736596211","id":2,"username":"Shane"},
{"password":"p3","phone":"0795357393","id":3,"username":"Sibusiso"},
{"password":"p4","phone":"0215552887","id":4,"username":"Add Updated"}]}
```

## Test Login Endpoint

Postman

File Edit View Help

New Import Runner My Workspace Invite

POST Test POST http:// POST Token POST http:// GET http://servi POST http:// No Environment

http://localhost:8080/global/global/api/user/login

POST http://localhost:8080/global/global/api/user/login Send Save

Params Authorization Headers (1) Body Pre-request Script Tests Cookies Code Comments

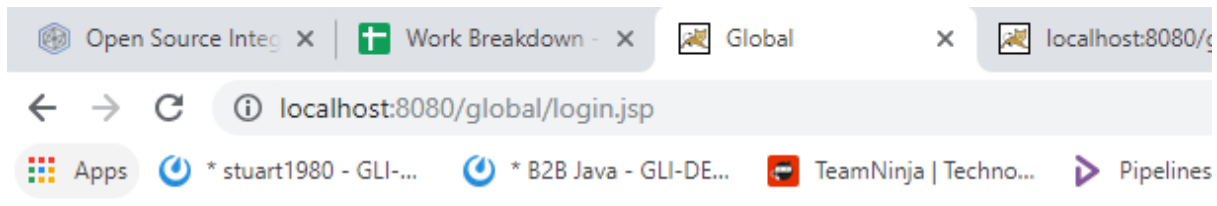
none form-data x-www-form-urlencoded raw binary JSON (application/json) Beautify

```
1 {
2   "username": "Paul",
3   "password": "p1"
4 }
```

Body Cookies (3) Headers (3) Test Results Status: 200 OK Time: 1066 ms Size: 167 B Download

Pretty Raw Preview JSON

```
1 {
2   "id": 1,
3   "token": "8d28e8626c164e2583156cfab437dec6"
4 }
```



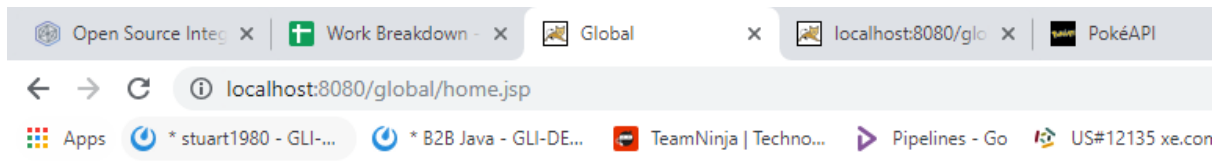
# Sibusiso API Practical Test

## Global Kinetic

**Login Page**

Username:

Password:



**Expire the security token after 3 minutes**

Redirected to home page automatically

Welcome, Paul Token:22f93f9d20b341c2bbe93fc19df2e722

Username: Paul

Password: p1

Phone: 0215552887

=====

Username: Shane

Password: p2

Phone: 0736596211

=====

Username: Sibusiso

Password: p3

Phone: 0795357393

=====

Username: Add Updated

Password: p4

Phone: 0215552887

=====