

Testing Guide

Initial setup

1. Start a database shell with:

```
docker exec -it i14-ssiem-db-1 /bin/bash
```

2. Log in to MariaDB as root user:

```
mysql -u root -p
password: random_password
```

3. Grant privileges to test database (it automatically creates a test database then destroys it after tests have run)

```
GRANT ALL PRIVILEGES ON test_siem_db.* TO 'siem_user'@'%';
FLUSH PRIVILEGES;
```

4. Exit out of the database shell as it's not needed now, then out of the database shell.

```
quit
exit
```

5. In the root of the i14-ssiem directory run the following script/s to run the test cases:

```
./scripts/test_accounts.sh
```

6. If the script doesn't run to grant permissions:

```
chmod +x ./scripts/test_accounts.sh
```

Run the Test Cases

1. To run the test cases make sure you're in the root directory i14-ssiem:

```
./scripts/run_backend_unit_tests.sh
```

or to run test groups individually:

```
docker-compose exec backend python manage.py test accounts.tests
docker-compose exec backend python manage.py test accounts.alerts
docker-compose exec backend python manage.py test logs.tests
docker-compose exec backend python manage.py test core.tests
docker-compose exec backend python manage.py test reports.tests
```

I will update this document as I add more test cases.