

Setup node:

```
brew update --verbose brew install node npm -v node -v
```

```
npm init -v npm i express mysql dotenv hbs npm i --save nodemon npm install -g nodemon npm i bcryptjs npm i cookie-parser jsonwebtoken
```

Open terminal and Run docker containers with docker compose:

```
cd /docker
docker-compose up -d
```

phpMyAdmin:

PHPADMIN:

Where root as your user localhost as your URL and PASSWORD as your password

1. Navigate to: <http://localhost:8183/sql.php?db=nodejs-login&table=users&pos=0>
2. Fill in credentials: Server: mysql Username: root Password: root
3. Select the database mysql
4. Click on tab SQL Change user security and set new password:
5. Fill in: `ALTER USER 'root'@'%' IDENTIFIED WITH mysql_native_password BY 'password'`
6. Click on button: Go
7. Fill in: `flush privileges;`
8. Click on button: Go

create database:

1. Click on: new
2. Fill in: nodejs-login
3. Click on button: Create

import database dump

1. Click on tab: import
2. Click on button: Choose file
3. Select: /dumps/nodejs-login.sql
4. Click on button: Go

create tables by hand:

```
CREATE TABLE users ( id int NOT NULL AUTO_INCREMENT, name varchar(100) NOT NULL, email  
varchar(100) NOT NULL, password varchar(100) NOT NULL, user-type varchar(100) NOT NULL DEFAULT  
'registered', PRIMARY KEY (id) ) ENGINE=InnoDB AUTO_INCREMENT=15 DEFAULT CHARSET=utf8mb4  
COLLATE=utf8mb4_0900_ai_ci;
```

Alter table users ADD(user_type Varchar(10) Default 'registered');

Access mysql on terminal:

```
docker exec -it mysql_container_name mysql -u root -p  
docker exec -it dev_mysql mysql -u root -p
```

Create a file ".env" in the root folder

DATABASE = nodejs-login DATABASE_HOST = localhost DATABASE_USER = root DATABASE_PASSWORD =
password JWT_SECRET = yoursupersecretpassword JWT_EXPIRES_IN = 90d JWT_COOKIE_EXPIRES = 90

Docker phpmyadmin ENV: PMA_ARBITRARY when set to 1 connection to the arbitrary server will be allowed
PPMA_HOST define address/host name of the MySQL server PMA_PORT define port of the MySQL server

docker notes:

One liner to stop / remove all of Docker containers:

```
docker stop $(docker ps -a -q) docker rm $(docker ps -a -q)
```

```
docker-compose up -d
```

certificate for https letsencrypt

<https://certbot.eff.org/lets-encrypt/osx-other>

```
brew install certbot sudo certbot certonly --standalone
```

Copy the certs to the nodejs folder cert.

Example: sudo cp /etc/letsencrypt/live/kaiqa.duckdns.org/cert.pem ~/Development/kaiqa-github/nodejs-
mysql-bstrp-hbs-docker

```
cert = /etc/letsencrypt/live/kaiqa.duckdns.org/cert.pem privkey =  
/etc/letsencrypt/live/kaiqa.duckdns.org/privkey.pem chain = /etc/letsencrypt/live/kaiqa.duckdns.org/chain.pem  
fullchain = /etc/letsencrypt/live/kaiqa.duckdns.org/fullchain.pem
```