

Systems setting

- Mongodb installation
- Mongod.cfg :

```
net:
  port: 27017
  bindIp: 127.0.0.1
  bindIpAll: true
```

- Create DB glowlabsdb
- Create glowlabsdb admin user :

```
db.createUser(
{
  user: "glowlabsadm",
  pwd: "admPassw0rd",
  roles:[{role: "userAdmin" , db:"glowlabsdb"}]})
```

- In glowlabsdb, create employees collection with document :

```
{
  "_id": {
    "$oid": "6345de5f759f8ff878d58a36"
  },
  "notifications": [],
  "tokenCount": 0,
  "createdAt": {
    "$date": {
      "$numberLong": "1665172909213"
    }
  },
  "firstName": "pat",
  "lastName": "let",
  "email": "admin@yahoo.com",
  "phoneNumber": "(514) 240 - 7843",
  "profilePicture": "",
  "employeeRole": [
    "Admin",
    "Esthetician"
  ],
  "permanentPasswordSet": false,
  "password": "passw0rd"
}
```

- Create Google Maps API
- Enable google pub/sub API
- Create twilio account
- Create facebook developer account
- I used node v14.20.1 and v18.10.0

Backend setting

- Create .env file :

```
PUBLIC_URL=/
TWILIO_ACCOUNT_SID=xxx
TWILIO_AUTH_TOKEN=xxx
FACEBOOK_APP_ID=xxx
FACEBOOK_APP_SECRET=xxx
MONGO_DB_USERNAME=glowlabsadm
MONGO_DB_PASSWORD=admPassw0rd
GOOGLE_PUB_SUB_PROJECT_ID=choiredex
GOOGLE_PUB_SUB_CLIENT_EMAIL=xxx
GOOGLE_PUB_SUB_PRIVATE_KEY_PART_ONE=\xxxxxxxxxxxxxxxxxxxxxxxx/
GOOGLE_PUB_SUB_PRIVATE_KEY_PART_TWO=xxxxx\n
GLOW_LABS_EMAIL=xxx
GLOW_LABS_EMAIL_APP_PASSWORD=xxx
JWT_SECRET_KEY_DUMMY=dummy00
JWT_SECRET_KEY_ACCESS=access00
JWT_SECRET_KEY_REFRESH=refresh00
```

- Change in index.js mongoose connection string (line 815) :

```
`mongodb://${process.env.MONGO_DB_USERNAME}:${process.env.MONGO_DB_PASSWORD}@DB_H
OSTNAME:27017/glowlabsdb?authMechanism=DEFAULT&authSource=admin&retryWrites=true&w=m
ajority`,
{ useNewUrlParser: true, useUnifiedTopology: true, useFindAndModify: false }
```

- Npm install
- Npm run start

```
> server@1.0.0 start D:\src\GlowLabs-master
> node index
```

```
🔗 Server ready at http://localhost:4000/graphql
🔗 Subscriptions ready at ws://localhost:4000/graphql
Connected to MongoDB
```

Client Setting

- Create .env file :

```
PUBLIC_URL=/
REACT_APP_GOOGLE_MAPS_API_KEY="xxxx"
```

- Edit src/index.js
 - Comment Line 167 : `// require("dotenv").config();`
 - Add Line 169 : `window.Buffer = require("buffer/").Buffer;`
- Add dependencies in package.json :

```
"assert": "^2.0.0",
"browserify-zlib": "^0.2.0",
"crypto-browserify": "^3.12.0",
```

```
"path-browserify": "^1.0.1",
"stream-browserify": "^3.0.0",
"util": "^0.12.4",
```

- Add devDependencies in package.json:

```
"buffer": "^6.0.3",
"dotenv-webpack": "^8.0.1",
```

- npm install --legacy-peer-deps
- In Client/node_modules/react-scripts/config/webpack.config.js, add fallback in resolve :

```
resolve: {
  // This allows you to set a fallback for where webpack should look for modules.
  // We placed these paths second because we want `node_modules` to "win"
  // if there are any conflicts. This matches Node resolution mechanism.
  // https://github.com/facebook/create-react-app/issues/253
  modules: ['node_modules', paths.appNodeModules].concat(
    modules.additionalModulePaths || []
  ),
  fallback: { // not present by default
    "stream": require.resolve("stream-browserify"),
    "path": require.resolve("path-browserify"),
    "zlib": require.resolve("browserify-zlib"),
    "util": require.resolve("util/"),
    "crypto": require.resolve("crypto-browserify"),
    "assert": require.resolve("assert/"),
    "buffer": require.resolve("buffer/"),
  },
```

- npm run start
- browse localhost:3000/admin and login with admin@yahoo.com, passw0rd
- create a new admin user
- with compass, see the password (not encrypted) created for this user in employees
- at first login, change the password which become encrypted in db.
- NB, some admin pages doesn't work with Firefox, I had to use chrome on windows. With chromium, there are still errors in admin staff pages.