

Blogs-Posts-Web-Application

Node.js website performing CRUD operations with a Lite SQL database (creating, reading, updating, and deleting data), following technologies used:

- **Node.js**
- **Express.js** - Web framework in the Node.js
- **Pug** (view – just like html)
- Okta's **OIDC-middleware** and **Node SDK**
- **Sequelize.js** (ORM for working with databases in Node.js)

To install express-generator run:

```
npm install -g express-generator
```

To initialize the project:

```
express --view pug blog
```

```
cd blog
```

```
npm install
```

```
npm start
```

These commands will initialize a new project called **blog**, move you into the new project folder, install all project dependencies, and start up a web server.

Go to <http://localhost:3000> and you should see your application running

To get started, create an OpenID Connect application in Okta. :

<https://developer.okta.com/signup/>

Leave all the other settings as their default values, then click **Done**. On the following page, copy down the values for both **Client ID** and **Client secret**, you will need these in a moment.

Next, click the **Dashboard** tab at the top of the page, then copy the **Org URL** value from the top-right of the page.

Then click the **API** tab at the top of the page as well as the **Create Token** button. Enter a name for your token (just give it the same name as your project) then click **Create Token**. Copy the token value down as you will need it in a moment.

- **Name:** blog
- **Base URIs:** <http://localhost:3000>
- **Login redirect URIs:** <http://localhost:3000/users/callback>

Defining Dependencies:

```
npm install express@4.16.3
```

```
npm install @okta/oidc-middleware@0.1.2
```

```
npm install @okta/okta-sdk-nodejs@1.1.0
```

```
npm install sqlite3@4.0.1
```

```
npm install sequelize@4.38.0
```

```
npm install async@2.6.1
```

```
npm install slugify@1.3.0
```

```
npm install express-session@1.15.6
```

Finally, create a file that holds environment variables. This application relies on environment variables to specify credentials so that you don't need to hard-code secrets into your application.

Now that everything is ready, you can start up the app. Please run the following command - npm start

This will start the webserver on port 3000:

Now open your browser and go visit <http://localhost:3000> to view the website. If you click the **Log In** on top of the page, log into the blog using. Once you're logged in, you can create posts, edit posts, delete posts(all CRUD operations).

Enjoy blogging posts ...