

## Setup and Configuration for Notes RESTful API

1. Download project code from github:

<https://github.com/qdabs22/LBCodingAssessmentRestAPI>

**Note:** Project developed with following:

- **Product Version:** Apache NetBeans IDE 12.0
- **Java:** 14.0.1; Java HotSpot(TM) 64-Bit Server VM 14.0.1+7
- **Runtime:** Java(TM) SE Runtime Environment 14.0.1+7

2. Open project in NetBeans IDE and Configure server and port

**Note:** Server currently configured with GlassFish Server 4 running on localhost:8080

3. Build project

4. Run

### Note Data

This API is not hooked up to an actual database. The api response calls will handle requests and send back data, however, only the mock data will be returned. The mock data is stored in a class that serves as a repository => NoteRepository.java

### Sample Rest API CRUD requests calls against current configuration:

*(Samples below show curl calls using windows, mac calls may need to be modified accordingly.)*

GET - All notes

```
$ curl -i -H "Content-Type: application/json" -X GET http://localhost:8080/restService/api/notes
```

GET - specific note by id

```
$ curl -i -H "Content-Type: application/json" -X GET http://localhost:8080/restService/api/notes/1
```

GET - filtered by note contents

```
$ curl -i -H "Content-Type: application/json" -X GET http://localhost:8080/restService/api/notes?body=first
```

POST

```
$ curl -i -H "Content-Type: application/json" -X POST -d '{"body": "Pick up Milk"}' http://localhost:8080/restService/api/notes
```

DELETE

```
$ curl -X DELETE http://localhost:8080/restService/api/notes/1
```

## PUT

```
$ curl -X PUT -i -H "Content-Type: application/json" -d '{"body": "Pick up CANDY!!"}' http://localhost:8080/restService/api/notes/1
```