

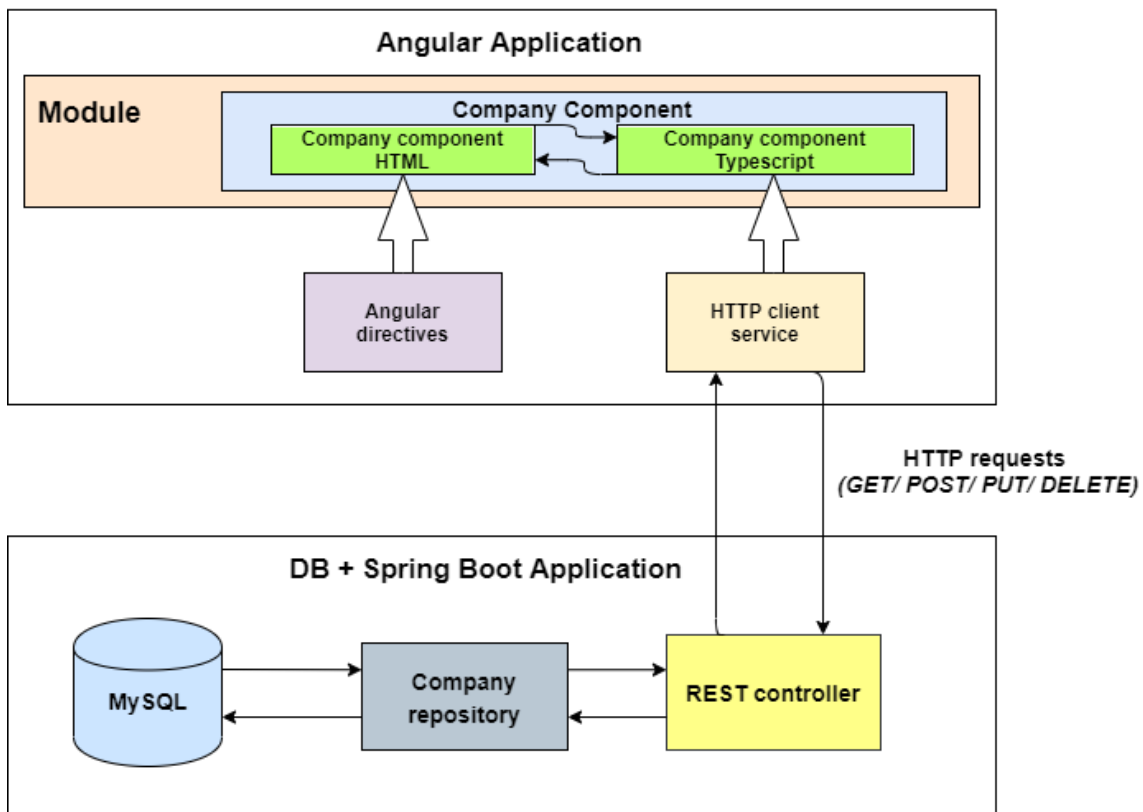
Company Records Manager

Technologies and tools used

- Java 8
- Spring Boot 2.3 (followed MVC design pattern)
- Hibernate/ JPA
- MySQL
- Angular 9
- HTML 5
- Bootstrap CSS 4
- Maven
- Postman

Schematic diagram

Company Records Manager Application Front-End



Company Records Manager Application Back-End

REST endpoints mapping with corresponding HTTP methods

- To get all records: **GET**/records/company
- To get record by company code: **GET**/records/company/{companyCode}
- To create new record: **POST**/records/company
- To update existing record: **PUT**/records/company/{companyCode}
- To delete existing record: **DELETE**/records/company/{companyCode}

Application URLs

- Login page: localhost:4200/login
- Add new company record: localhost:4200/add-company

Back-end app running instructions

Create database from SQL terminal

- **CREATE DATABASE** company_master;
- **USE** company_master;
- Make sure your MySQL properties reflect in the **application.properties** the following way

```
spring.datasource.url=jdbc:mysql://localhost:3307/company_master
spring.datasource.username=root
spring.datasource.password=
```

Navigate to back-end project directory on terminal

- **mvn package -Dmaven.test.skip=true**
- **mvn spring-boot:run**

Front-end app running instructions

Navigate to front-end project directory on terminal

- **ng serve -o --poll=2000**

Go to web-browser

- Go to login page at **localhost:4200/login** enter credentials (E-mail: "admin@da.com", Password: "password")
- It will navigate you to dashboard
- You can add, edit, delete and view records from this page

RESULTS

Login (failure scenario)

Dynamic Analytics
Company Records Manager

localhost:4200 says
Please enter Valid Credentials
OK

Login

admin@ea.com

.....

Login

Dashboard (Homepage)

Dynamic Analytics
Company Records Manager

Add New Company

Logout

Search By Company Code:
Enter 3 digit code

Company Code	Company Name	Last Modified By	Last Modified On	Action
001	Express Analytics Ltd	admin@da.com	Sunday, Jun 14 2020, 7:45:32 PM	<div>DeleteEdit</div>
002	Parallel Wireless	admin@da.com	Sunday, Jun 14 2020, 6:31:57 PM	<div>DeleteEdit</div>
003	Arista Networks	admin@da.com	Sunday, Jun 14 2020, 5:08:38 PM	<div>DeleteEdit</div>
004	Haraman International	admin@da.com	Sunday, Jun 14 2020, 5:09:12 PM	<div>DeleteEdit</div>
005	Verizon Telecom	admin@da.com	Sunday, Jun 14 2020, 8:41:20 PM	<div>DeleteEdit</div>

Add New Company Record

Dynamic Analytics
Company Records Manager

Add New Company

Logout

Add/Edit Company Record

Company Code*

006

Company Code HRIS*

aaf

Company Name*

Capital One

Company Abbr. Name*

CO

Company Reg. No.

aaf

Company Logo

Choose File 33.jpg

Status*

Active

Save

Reset

Dashboard updated after adding new record

Dynamic Analytics
Company Records Manager

Add New Company

Logout

Search By Company Code:
Enter 3 digit code

Company Code	Company Name	Last Modified By	Last Modified On	Action
001	Express Analytics Ltd	admin@da.com	Sunday, Jun 14 2020, 7:45:32 PM	<div>DeleteEdit</div>
002	Parallel Wireless	admin@da.com	Sunday, Jun 14 2020, 6:31:57 PM	<div>DeleteEdit</div>
003	Arista Networks	admin@da.com	Sunday, Jun 14 2020, 5:08:38 PM	<div>DeleteEdit</div>
004	Haraman International	admin@da.com	Sunday, Jun 14 2020, 5:09:12 PM	<div>DeleteEdit</div>
005	Verizon Telecom	admin@da.com	Sunday, Jun 14 2020, 8:41:20 PM	<div>DeleteEdit</div>
006	Capital One	admin@da.com	Sunday, Jun 14 2020, 8:42:13 PM	<div>DeleteEdit</div>

Delete confirmation message

Dynamic Analytics
Company Records Manager

Add New Company

localhost:4200 says

Are you sure to delete Capital One

CancelOK

Logout

Search By Company Code:

Company Code	Company Name	Last Modified By	Last Modified On	Action
001	Express Analytics Ltd	admin@da.com	Sunday, Jun 14 2020, 7:45:32 PM	<div>DeleteEdit</div>
002	Parallel Wireless	admin@da.com	Sunday, Jun 14 2020, 6:31:57 PM	<div>DeleteEdit</div>
003	Arista Networks	admin@da.com	Sunday, Jun 14 2020, 5:08:38 PM	<div>DeleteEdit</div>
004	Haraman International	admin@da.com	Sunday, Jun 14 2020, 5:09:12 PM	<div>DeleteEdit</div>
005	Verizon Telecom	admin@da.com	Sunday, Jun 14 2020, 8:41:20 PM	<div>DeleteEdit</div>
006	Capital One	admin@da.com	Sunday, Jun 14 2020, 8:42:13 PM	<div>DeleteEdit</div>

Dashboard updated after deleting requested record

Dynamic Analytics
Company Records Manager

Add New Company

Logout

Search By Company Code:

Company Code	Company Name	Last Modified By	Last Modified On	Action
001	Express Analytics Ltd	admin@da.com	Sunday, Jun 14 2020, 7:45:32 PM	<div>DeleteEdit</div>
002	Parallel Wireless	admin@da.com	Sunday, Jun 14 2020, 6:31:57 PM	<div>DeleteEdit</div>
003	Arista Networks	admin@da.com	Sunday, Jun 14 2020, 5:08:38 PM	<div>DeleteEdit</div>
004	Haraman International	admin@da.com	Sunday, Jun 14 2020, 5:09:12 PM	<div>DeleteEdit</div>
005	Verizon Telecom	admin@da.com	Sunday, Jun 14 2020, 8:41:20 PM	<div>DeleteEdit</div>

Edit Company Record (Unique fields Company Code and Code HRIS frozen)

Dynamic Analytics

Company Records Manager

Add New Company

Logout

Add/Edit Company Record

Company Code*

003

Company Code HRIS*

aac

Company Name*

Arista Networks Ltd.]

Company Abbr. Name*

AN

Company Reg. No.

aac

Company Logo

Choose File

No file chosen

Status*

Active

Created By

admin@da.com

Created On

2020-06-14T11:38:38.000+00:00

Last Modified By:

Updated dashboard after editing record

Dynamic Analytics
Company Records Manager

Add New Company

Logout

Search By Company Code:

Company Code	Company Name	Last Modified By	Last Modified On	Action
001	Express Analytics Ltd	admin@da.com	Sunday, Jun 14 2020, 7:45:32 PM	<button>Delete</button> <button>Edit</button>
002	Parallel Wireless	admin@da.com	Sunday, Jun 14 2020, 6:31:57 PM	<button>Delete</button> <button>Edit</button>
003	Arista Networks Ltd.	admin@da.com	Sunday, Jun 14 2020, 9:28:02 PM	<button>Delete</button> <button>Edit</button>
004	Haraman International	admin@da.com	Sunday, Jun 14 2020, 5:09:12 PM	<button>Delete</button> <button>Edit</button>
005	Verizon Telecom	admin@da.com	Sunday, Jun 14 2020, 8:41:20 PM	<button>Delete</button> <button>Edit</button>

Search (by Company Code)

Dynamic Analytics
Company Records Manager

Add New Company

Logout

Search By Company Code:

Company Code	Company Name	Last Modified By	Last Modified On	Action
004	Haraman International	admin@da.com	Sunday, Jun 14 2020, 5:09:12 PM	<button>Delete</button> <button>Edit</button>

References

- <https://javaconceptoftheday.com/>
- <https://javabrain.io/>
- <https://angular.io/>
- <https://www.w3schools.com/>
- <https://docs.oracle.com/>
- <https://www.baeldung.com/>
- <https://stackoverflow.com/>
- <https://getbootstrap.com/>