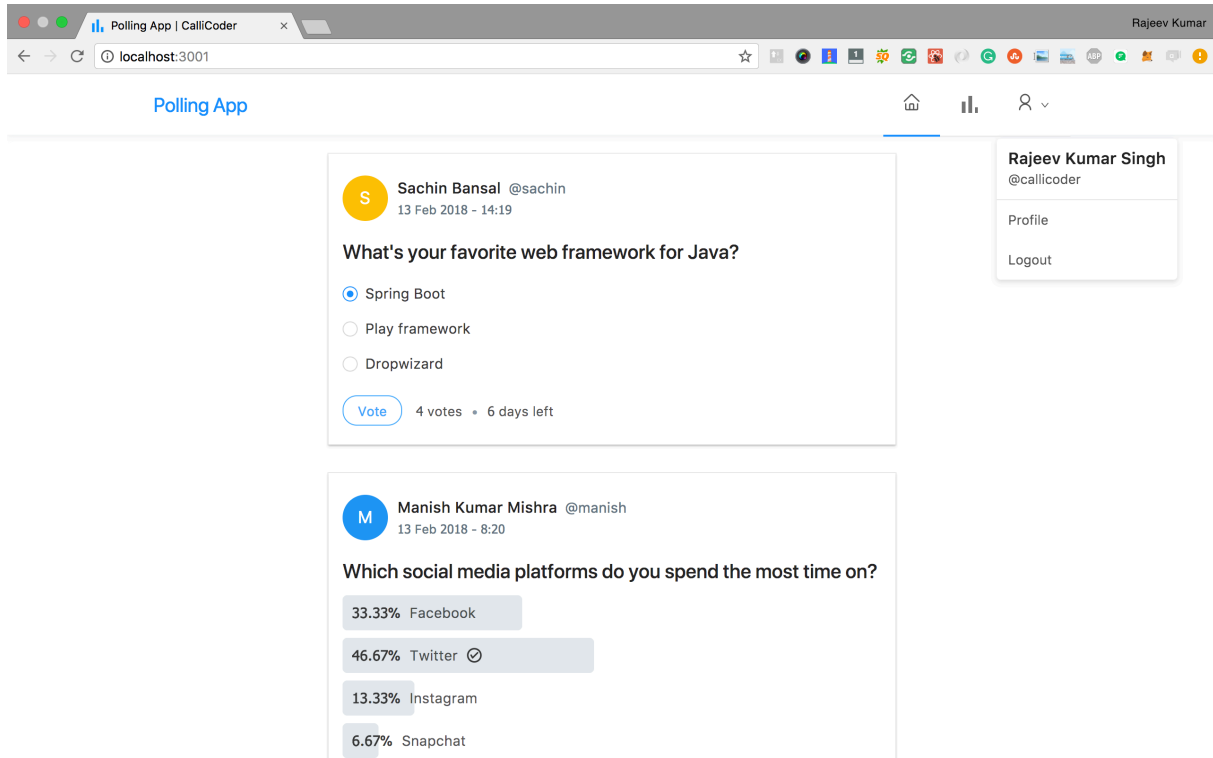

Building a Full Stack Polls app similar to twitter polls with Spring Boot, Spring Security, JWT, React and Ant Design



Tutorials

I've written a complete tutorial series for this application on The CalliCoder Blog -

- Part 1: Bootstrapping the Project and creating the basic domain models and repositories
- Part 2: Configuring Spring Security along with JWT authentication and Building Rest APIs for Login and SignUp
- Part 3: Building Rest APIs for creating Polls, voting for a choice in a Poll, retrieving user profile etc
- Part 4: Building the front-end using React and Ant Design

Steps to Setup the Spring Boot Back end app (polling-app-server)

1. Clone the application

```
1 git clone https://github.com/callicoder/spring-security-react-ant-  
  design-polls-app.git  
2 cd polling-app-server
```

2. Create MySQL database

```
1 create database polling_app
```

3. Change MySQL username and password as per your MySQL installation

- open `src/main/resources/application.properties` file.
- change `spring.datasource.username` and `spring.datasource.password` properties as per your mysql installation

4. Run the app

You can run the spring boot app by typing the following command -

```
1 mvn spring-boot:run
```

The server will start on port 8080.

You can also package the application in the form of a `jar` file and then run it like so -

```
1 mvn package  
2 java -jar target/polls-0.0.1-SNAPSHOT.jar
```

5. Default Roles

The spring boot app uses role based authorization powered by spring security. To add the default roles in the database, I have added the following sql queries in `src/main/resources/data.sql` file. Spring boot will automatically execute this script on startup -

```
1 INSERT IGNORE INTO roles(name) VALUES('ROLE_USER');  
2 INSERT IGNORE INTO roles(name) VALUES('ROLE_ADMIN');
```

Any new user who signs up to the app is assigned the `ROLE_USER` by default.

Steps to Setup the React Front end app (polling-app-client)

First go to the `polling-app-client` folder -

```
1 cd polling-app-client
```

Then type the following command to install the dependencies and start the application -

```
1 npm install && npm start
```

The front-end server will start on port 3000.