Setup

Required tools and software:

JDK-14.0.2 => <https://www.oracle.com/java/technologies/javase-jdk14-downloads.html>

Apache maven 3.6.3 => <https://maven.apache.org/install.html>

postgres 12.3 => <https://www.postgresql.org/download/windows/>

node 12.18.2 => <https://phoenixnap.com/kb/install-node-js-npm-on-windows>

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//database setup

1.Download the ZIP file from <https://www.enterprisedb.com/products-services-training/pgbindownload>

2. Unzip the archive into a directory of your choice (the archive is created such that unzipping it, it will create a directory pgsql with everything else below that)

3. Run initdb (this can be found in the subdirectory pgsql\bin)

initdb -D **c:\Users\pradeep\**pgdata -U postgres -W -E UTF8 -A scram-sha-256

directory path : c:\Users\pradeep\

new folder name : pgdata

This will create the postgres "data directory" (aka the "cluster") in c:\Users\pradeep\pgdata. You need to make sure that the user running this command has full read/write privileges on that directory.

-U postgres creates the super user as postgres, -W will prompt you for the password of the superuser, -E UTF8 will create the database with UTF-8 encoding and -A scram-sha-256 enables the password authentication.

please enter password: postgres (as we are using same password in spring boot app)

4. To start Postgres, run:

pg\_ctl -D c:\Users\pradeep\pgdata -l logfile start

5.To shutdown Postgres, run:

pg\_ctl -D c:\Users\Arthur\pgdata stop

**Note: Please first check the database name and password is 'postgres' and 'postgres' respectively**

//Build and run BE

**unzip the coding folder**

1. Open CMD and change directory to codingChallenge folder(cd --/--/codingChallenge)

2. mvn clean install

3. mvn exec:java -Dexec.mainClass=com.pradeep.codingChallenge.CodingChallengeApplication // this will start the application on localhost:8081

After running application will create tables automatically.

And insert default data

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//Build and Run FE

1. Open new CMD and change directory to coding-challenge-fe folder(cd --/--/coding-challenge-fe)

2. npm install

3. npm start

This will start application on 3000.

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