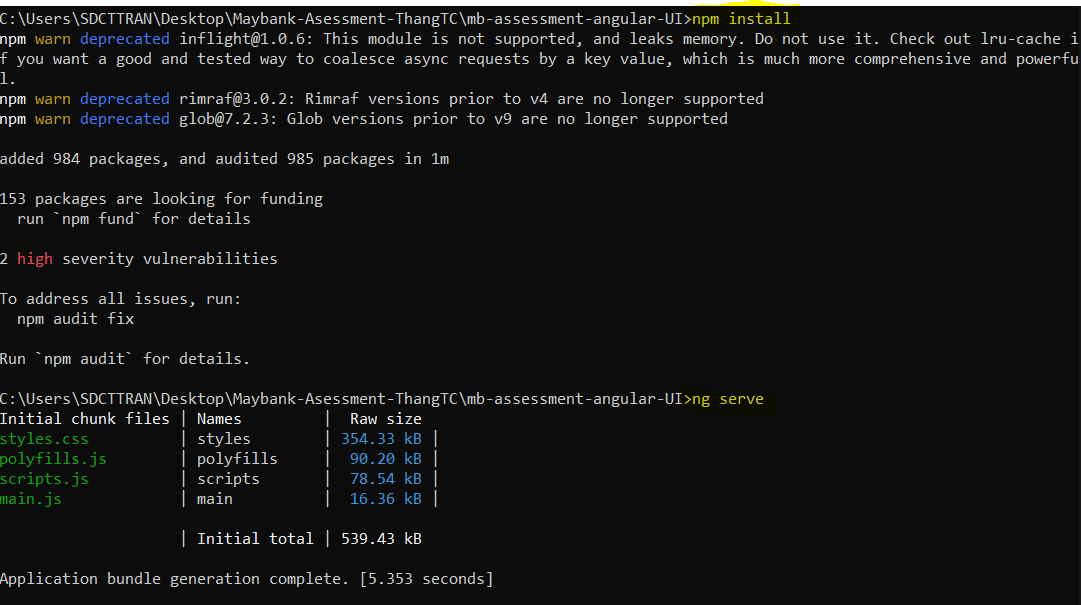
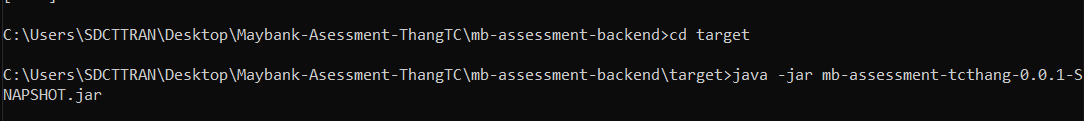
# DEPLOYMENT GUIDE & TESTING

## Front-End

1. Pre-require: NodeJS v20.18.0 <https://nodejs.org/en>
2. Go to path ***{home\_folder}/Maybank-Asessment-ThangTC/mb-assessment-angular-UI/***
3. Run command: **“npm install”** to install all Angulars packages
4. Run command: **“ng serve”** 

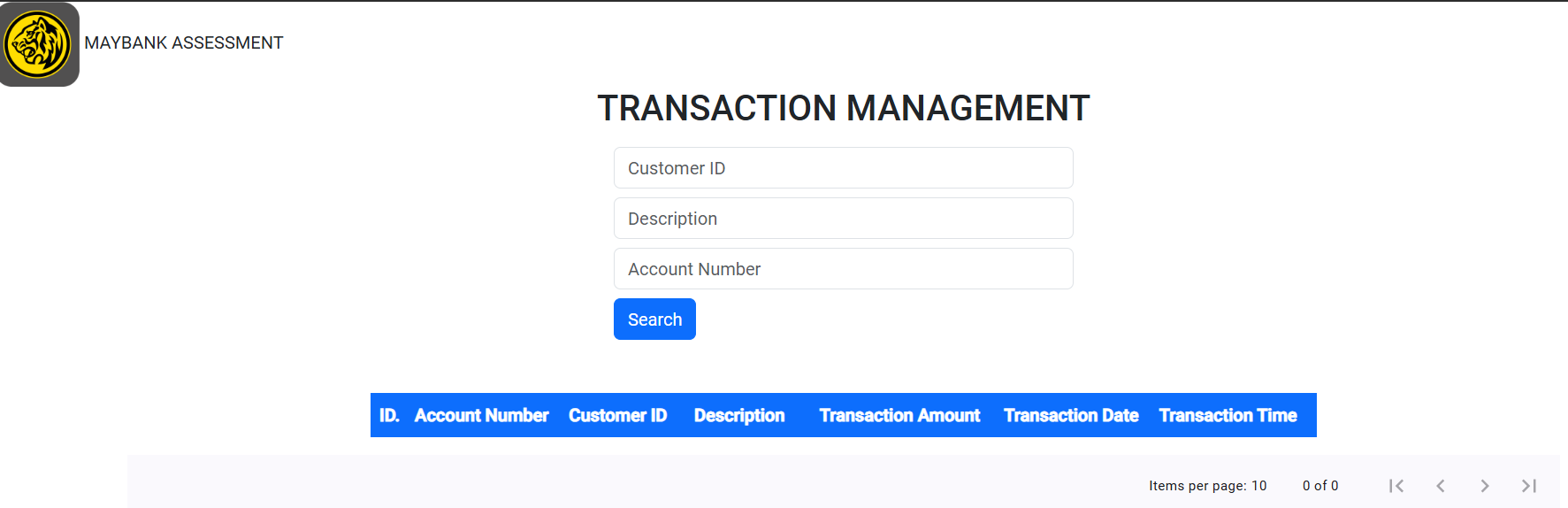
## Back-End

1. Pre-require
   1. - Java 17
   2. – Maven
2. Go to path ***{home\_folder}/Maybank-Asessment-ThangTC/mb-assessment-backend/***
3. Run command: **“mvn clean install”** to download all artifact to repositories and compile source code
4. Go to path ***{home\_folder}/Maybank-Asessment-ThangTC/mb-assessment-backend/target***
5. Run command: **“java -jar mb-assessment-tcthang-0.0.1-SNAPSHOT.jar”** to start server

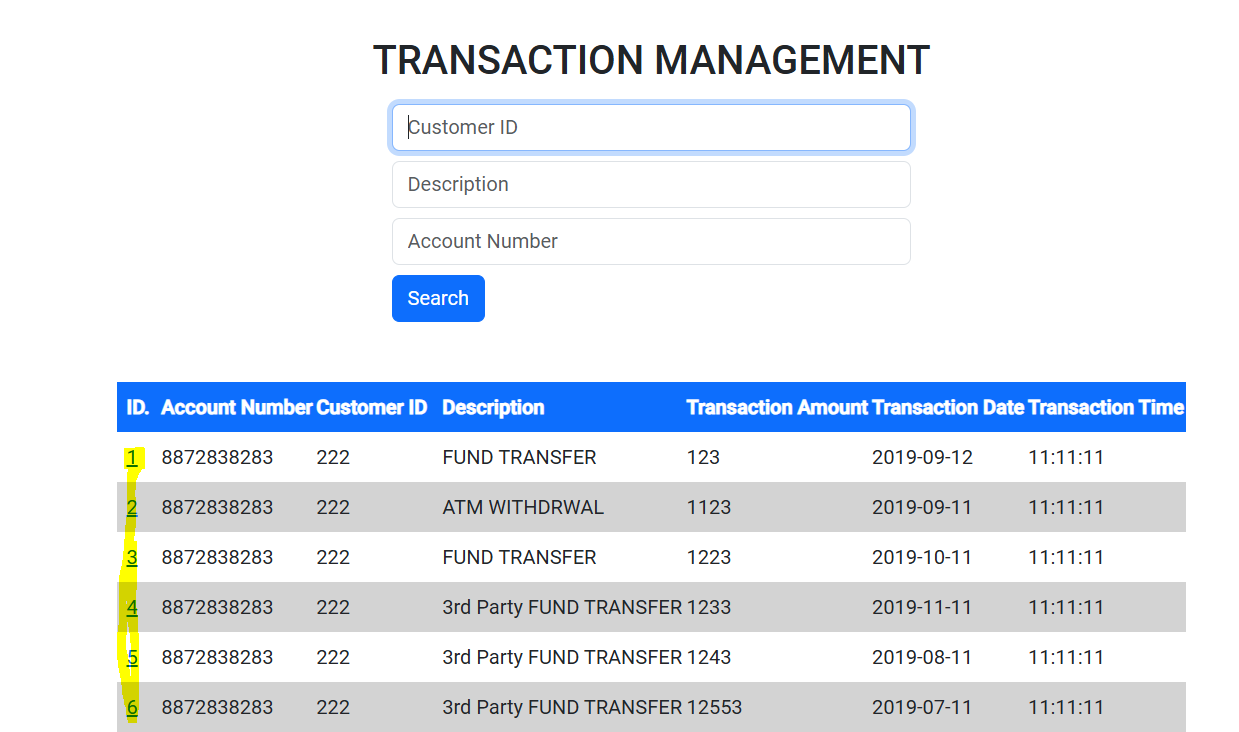


## TESTING

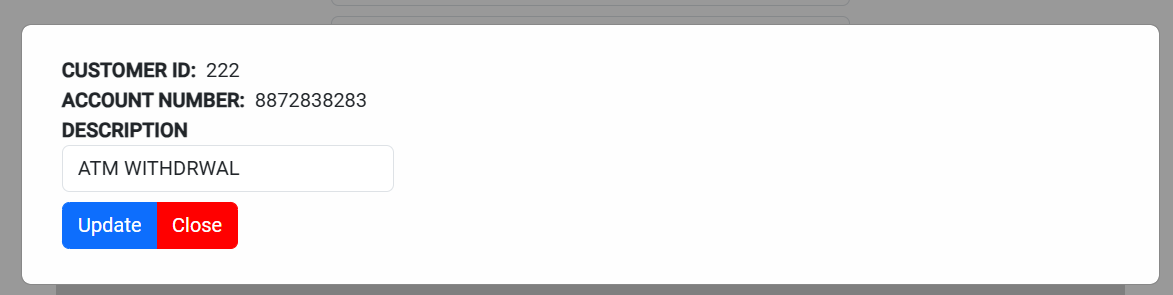
1. Go to path to access UI: [*http://localhost:4200/*](http://localhost:4200/)



1. Click Search and click on Row ID to update



1. Update Description



**NOTE**

- The **dataSource.txt** was copied to \*mb-assessment-tcthang\src\main\resources\dataSource.txt\*, when app starts, **this file will consumes and import automatically**

- Application uses H2-embedded, then we don't need to setup Database. To access DB using this link [http://localhost:8080/h2-console](**http://localhost:8080/h2-console**)

- Username/Password for access : admin/123456

- JDBC URL : jdbc:h2:mem:testdb (**username default sa, password empty**)

**Test RESTful API**

- BASIC AUTHENTICATION : username/password : admin/123456

- Retrieve REST API entry point : GET [localhost:8080/transaction/search?account=1111111111,8872838283&desc=TRANSFER&custId=123](http://localhost:8080/transaction/search?account=1111111111,8872838283&desc=TRANSFER&custId=123)

- Update REST API entry point : PUT [localhost:8080/transaction/updateDesc](http://localhost:8080/transaction/updateDesc)

- Update body request sample

## TECHNOLOGY STACK

### #Angular 17

### # Spring framework using

* + Spring boot 3.0.2
  + Spring batch
  + Spring security
  + Spring hateoas
  + Spring data

### #H2-Embeded DB