

Configuration steps and output snapshots

Front-end

Configuration steps#

This project was generated with [Angular CLI](<https://github.com/angular/angular-cli>) version 11.2.12.

Development server

Run `ng serve` for a dev server. Navigate to `http://localhost:4200/`. The app will automatically reload if you change any of the source files.

Code scaffolding

Run `ng generate component component-name` to generate a new component. You can also use `ng generate directive|pipe|service|class|guard|interface|enum|module`.

Build

Run `ng build` to build the project. The build artifacts will be stored in the `dist/` directory. Use the `--prod` flag for a production build.

Running unit tests

Run `ng test` to execute the unit tests via [Karma](<https://karma-runner.github.io>).

Running end-to-end tests

Run `ng e2e` to execute the end-to-end tests via [Protractor](<http://www.protractortest.org/>).

Further help

To get more help on the Angular CLI use `ng help` or go check out the [Angular CLI Overview and Command Reference](<https://angular.io/cli>) page.

Back-end

Connect to your mysql server

```
(base) └─(kalikali㉿kali)-[~]
└$ sudo service mysql start

(base) └─(kalikali㉿kali)-[~]
└$ sudo mysql
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 4
Server version: 10.6.7-MariaDB-3 Debian buildd-unstable

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> █

gApplication.run(HicserviceApplication.class, args);
}

ConConfiguration()
)
```

Starting of the microservices

1. Company Microservice

```
Run: SpringCourseApplication (v2.7.0)
```

```
2022-07-03 18:59:53.387 INFO 82517 --- [main] c.e.s.SpringCourseApplication : Starting SpringCourseApplication using Java 18.0.1.1 on kali with PID 82517 (/home/kali/kali/Downloads/springCourse/target/classes)
2022-07-03 18:59:53.398 INFO 82517 --- [main] c.e.s.SpringCourseApplication : No active profile set, falling back to 1 default profile: "default"
2022-07-03 19:00:01.674 INFO 82517 --- [main] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2022-07-03 19:00:02.320 INFO 82517 --- [main] s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 614 ms. Found 1 JPA repository interfaces.
2022-07-03 19:00:04.598 INFO 82517 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2022-07-03 19:00:04.579 INFO 82517 --- [main] o.apache.catalina.core.StandardService : Starting service [tomcat]
2022-07-03 19:00:05.079 INFO 82517 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.69]
2022-07-03 19:00:05.731 INFO 82517 --- [main] o.a.c.c.[Tomcat].[localhost].[] : Initializing Spring embedded WebApplicationContext
2022-07-03 19:00:06.731 INFO 82517 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 12064 ms
2022-07-03 19:00:06.215 INFO 82517 --- [main] o.h.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
2022-07-03 19:00:06.533 INFO 82517 --- [main] o.h.hibernate.Version : HHH000412: Hibernate ORM core version 5.6.9.Final
2022-07-03 19:00:06.996 INFO 82517 --- [main] o.h.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations (5.1.2.Final)
2022-07-03 19:00:07.189 INFO 82517 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2022-07-03 19:00:11.579 INFO 82517 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2022-07-03 19:00:11.579 INFO 82517 --- [main] org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dialect.MySQL55Dialect
Hibernate:
drop table if exists company
Hibernate:
create table company (
    compcode bigint not null,
    ceo varchar(255),
    compname varchar(255),
    sthex varchar(255),
    turnover varchar(255),
    website varchar(255),
    primary key (compcode)
) engine=InnoDB
2022-07-03 19:00:13.423 INFO 82517 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2022-07-03 19:00:13.444 INFO 82517 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2022-07-03 19:00:14.100 WARN 82517 --- [main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly enable or disable this feature
2022-07-03 19:00:14.594 INFO 82517 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2022-07-03 19:00:14.605 INFO 82517 --- [main] c.e.s.SpringCourseApplication : Started SpringCourseApplication in 24.138 seconds (JVM running for 28.628)
```

P Version Control Run TODO Problems Services Build Dependencies
All files are up-to-date (3 minutes ago)
46:1 LF UTF-8 Tab*

2. Stock Microservice

```
Run: MicserviceApplication
```

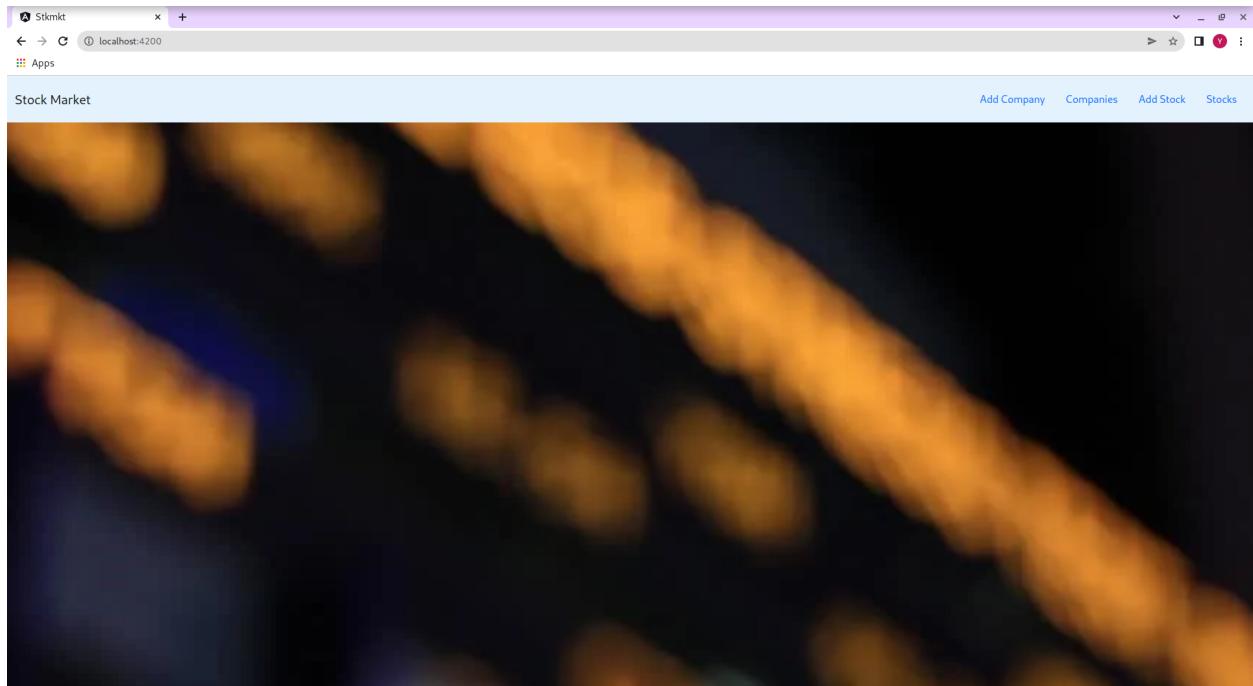
```
'....|_|_|_||_|\_...|_| / / /'  
=====[ Spring Boot :: (v2.7.0)]=====  


```
2022-07-03 18:41:32.124 INFO 82199 --- [main] c.e.m.MicserviceApplication : Starting MicserviceApplication using Java 18.0.1.1 on kali with PID 82199 (/home/kali/kali/Downloads/micservice/target/classes)
2022-07-03 18:41:32.128 INFO 82199 --- [main] c.e.m.MicserviceApplication : No active profile set, falling back to 1 default profile: "default"
2022-07-03 18:41:49.067 INFO 82199 --- [main] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2022-07-03 18:42:03.559 INFO 82199 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 9082 (http)
2022-07-03 18:42:03.887 INFO 82199 --- [main] o.apache.catalina.core.StandardService : Starting service [tomcat]
2022-07-03 18:42:03.887 INFO 82199 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.69]
2022-07-03 18:42:06.497 INFO 82199 --- [main] o.a.c.c.[Tomcat].[localhost].[] : Initializing Spring embedded WebApplicationContext
2022-07-03 18:42:06.497 INFO 82199 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 34377 ms
2022-07-03 18:42:15.118 INFO 82199 --- [main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Processing PersistenceUnitInfo [name: default]
2022-07-03 18:42:16.826 INFO 82199 --- [main] o.h.hibernate.Version : HHH000412: Hibernate ORM core version 5.6.9.Final
2022-07-03 18:42:17.203 INFO 82199 --- [main] o.h.hibernate.annotations.common.Version : HCANN000001: Hibernate Commons Annotations (5.1.2.Final)
2022-07-03 18:42:18.415 INFO 82199 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2022-07-03 18:42:27.538 INFO 82199 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2022-07-03 18:42:27.576 INFO 82199 --- [main] org.hibernate.dialect.Dialect : HHH000400: Using dialect: org.hibernate.dialect.MySQL55Dialect
2022-07-03 18:42:28.991 WARN 82199 --- [main] org.hibernate.mapping.RootClass : HHH000038: Composite-id class does not override equals(): com.stock.micservice.entities.CompositeKey
2022-07-03 18:42:28.992 WARN 82199 --- [main] org.hibernate.mapping.RootClass : HHH000039: Composite-id class does not override hashCode(): com.stock.micservice.entities.CompositeKey
Hibernate:
drop table if exists stock
Hibernate:
create table stock (
 date varchar(255) not null,
 time varchar(255) not null,
 compcode bigint not null,
 stkprixe decimal(19,2),
 primary key (date, time)
) engine=InnoDB
2022-07-03 18:42:37.238 INFO 82199 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2022-07-03 18:42:37.313 INFO 82199 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2022-07-03 18:42:44.686 WARN 82199 --- [main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be performed during view rendering. Explicitly enable or disable this feature
2022-07-03 18:42:49.938 INFO 82199 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on ports: 9082 (http) with context path ''
2022-07-03 18:42:49.973 INFO 82199 --- [main] c.e.m.MicserviceApplication : Started MicserviceApplication in 80.357 seconds (JVM running for 85.764)
```

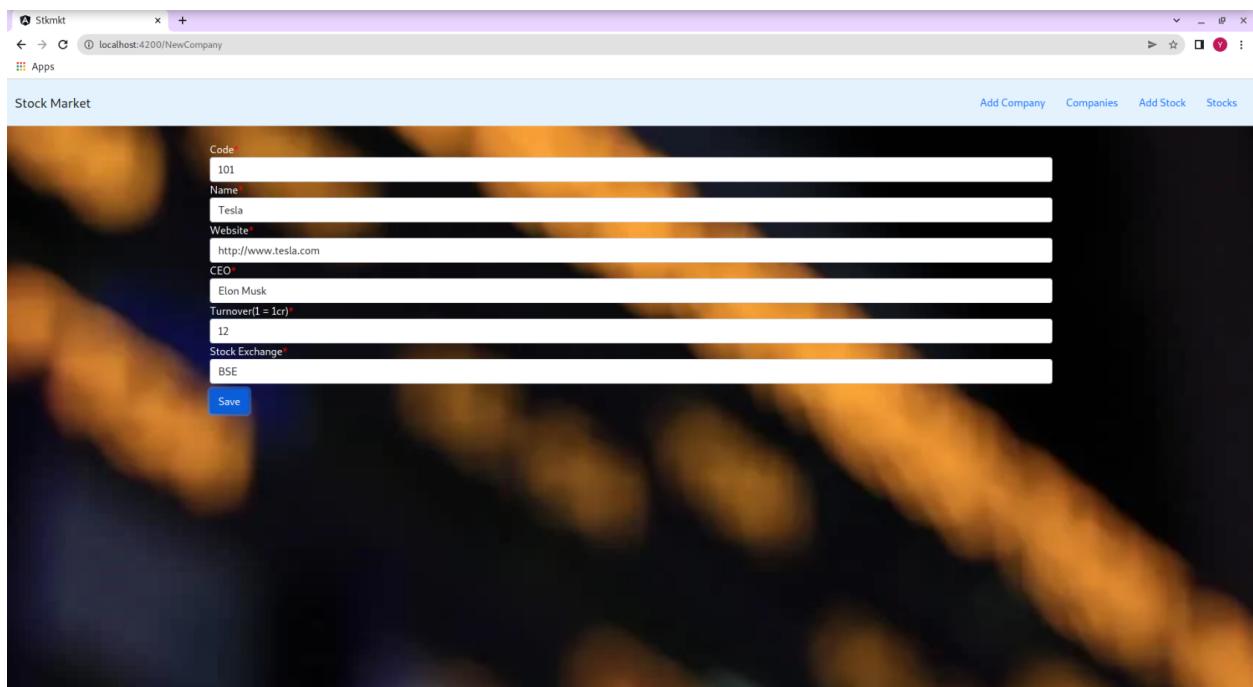

```

Output Snaps

⇒ Home Page



⇒ New Company



⇒ **Company Saved and user redirected to companies**

The screenshot shows a web application interface for managing stock market data. At the top, there is a navigation bar with links for 'Add Company', 'Companies', 'Add Stock', and 'Stocks'. Below the navigation, a search bar contains the placeholder text 'Start searching'. A table displays a single company entry:

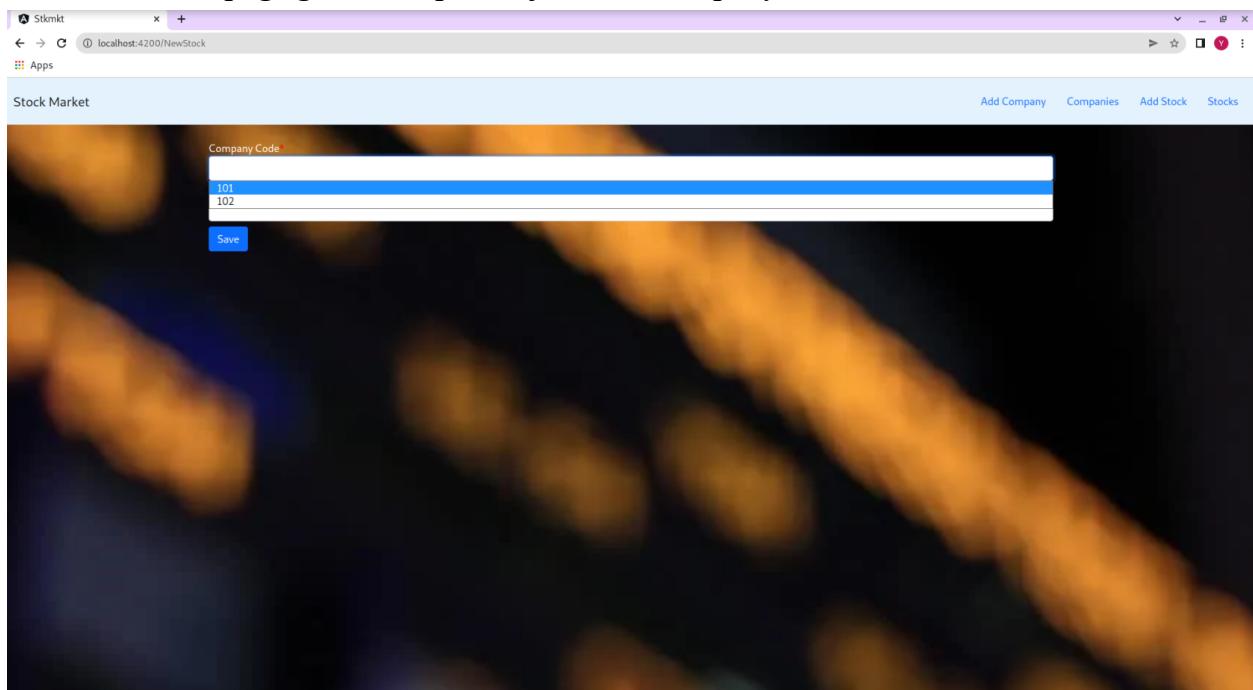
Code	Name	CEO	Website	Turn Over	Stock Exchange	Action
101	Tesla	Elon Musk	http://www.tesla.com	12	BSE	Delete

⇒ **Search Functionality by Company Code**

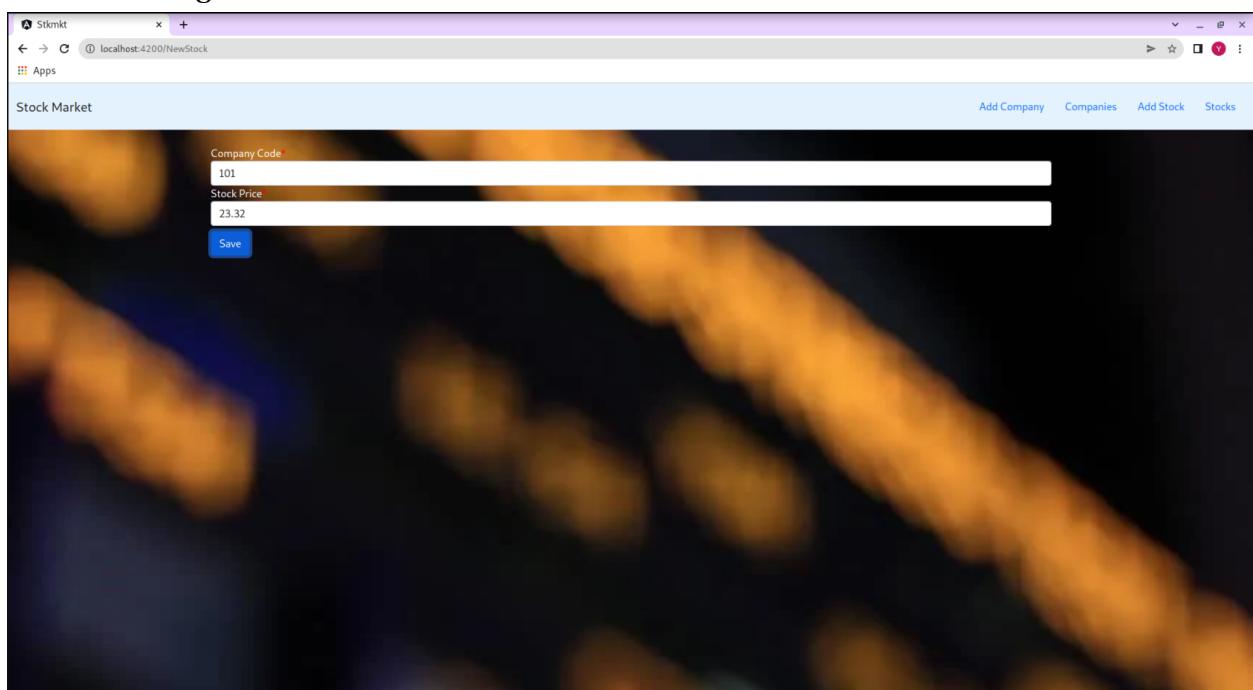
The screenshot shows a web browser window with the address bar displaying 'localhost:4200/ManageCompany'. The page title is 'Stock Market'. The top navigation bar includes links for 'Add Company', 'Companies', 'Add Stock', and 'Stocks'. A search bar at the top contains the value '102'. A table displays a single company entry:

Code	Name	CEO	Website	Turn Over	Stock Exchange	Action
102	TCS	Ratan Tata	https://www.tcs.com	32	BSE	Delete

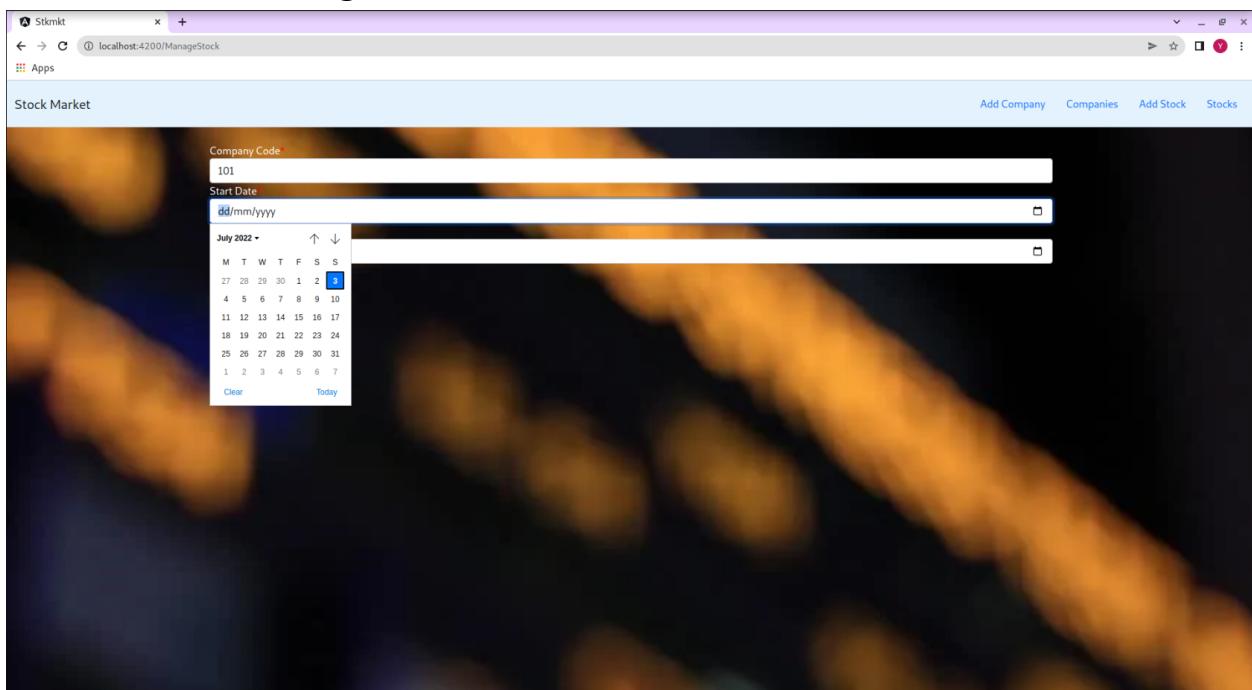
⇒ In New Stock page get the dropdown for saved company codes



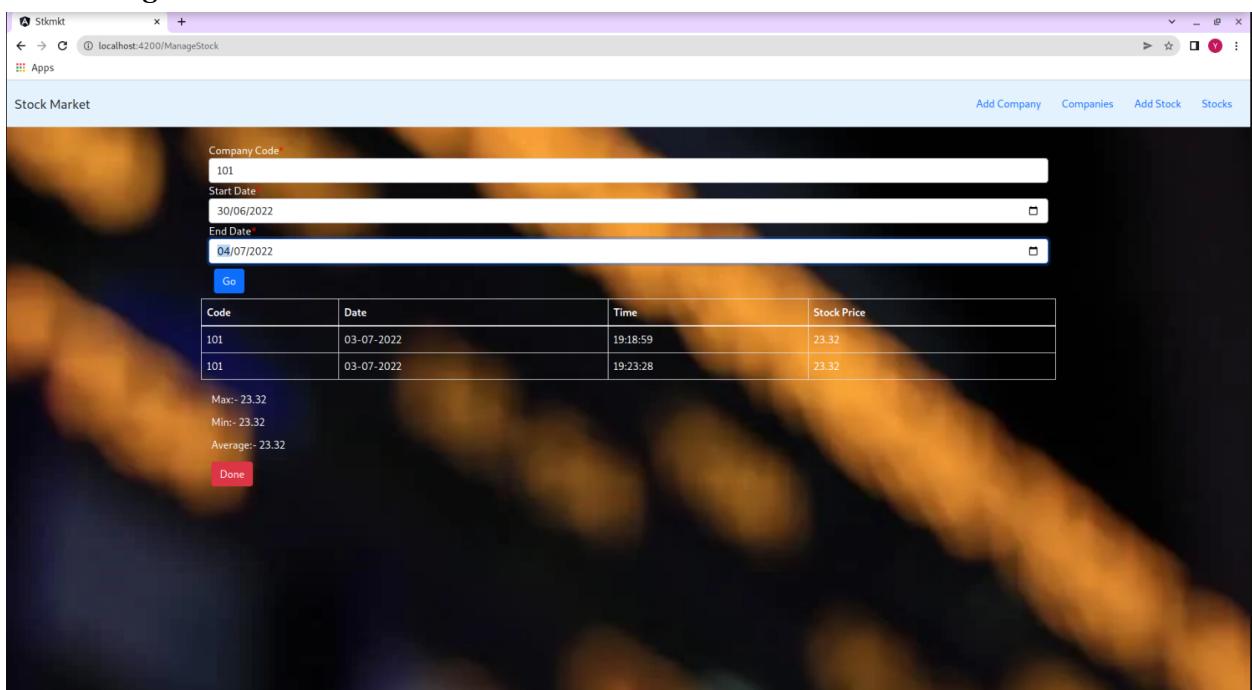
⇒ Stock Saving



⇒ Date handler in manage stock



⇒ Fetching the stocks between the dates.



⇒ Delete functionality of the company

Stock Market

Add Company ✓ Deleted

Code	Name	CEO	Website	Turn Over	Stock Exchange	
101	Tesla	Elon Musk	http://www.tesla.com	12	BSE	<button>Delete</button>
102	TCS	Ratan Tata	https://www.tcs.com	32	BSE	<button>Delete</button>

⇒ After deletion

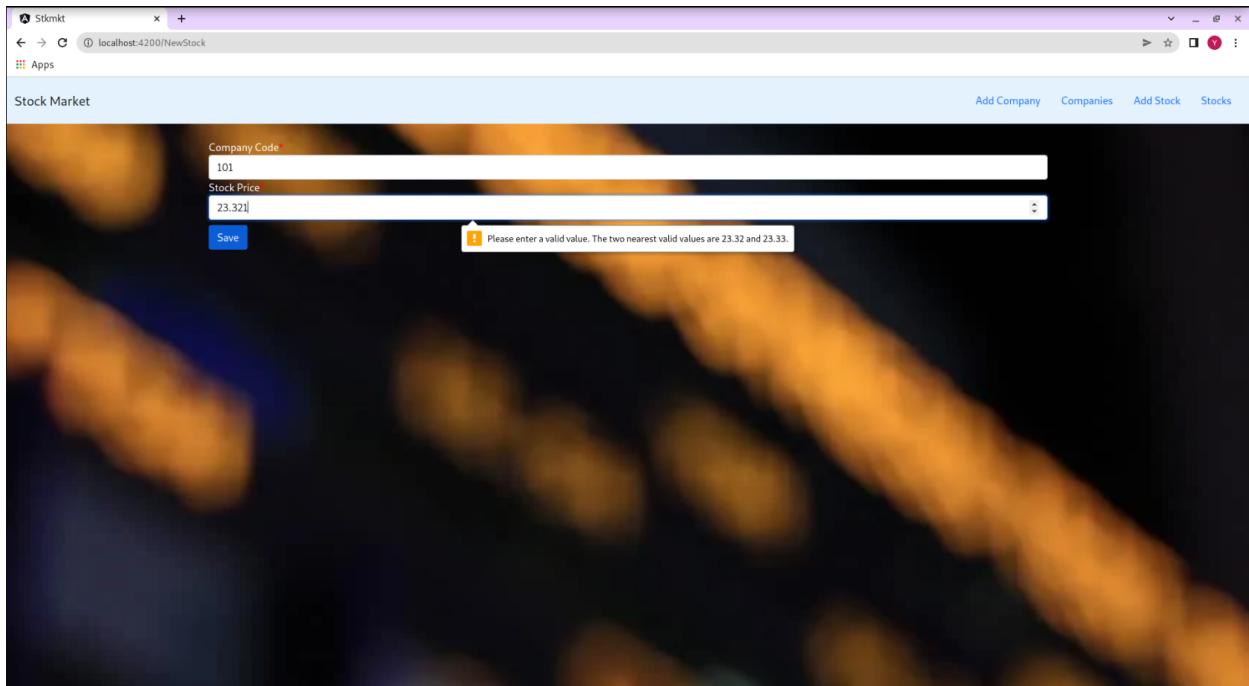
Stock Market

Add Company Companies Add Stock Stocks

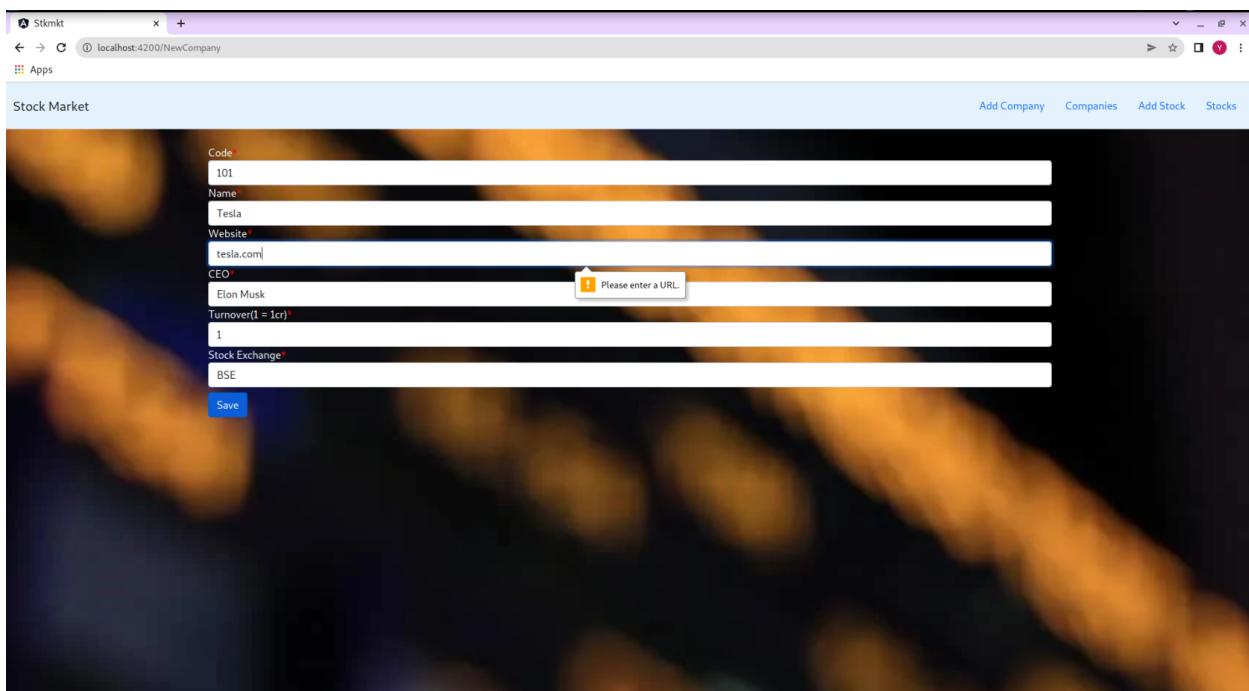
Code	Name	CEO	Website	Turn Over	Stock Exchange	
101	Tesla	Elon Musk	http://www.tesla.com	12	BSE	<button>Delete</button>

Validations

⇒ Check to make sure the stock values is fixed upto 2 decimal places



⇒ Invalid URL



⇒ **Turnover should be greater than 10cr**

