**Stock Market API using Spring Boot:**

The Stock Market API has list of below api:

**GET /api/stocks (get a list of stocks)**

**POST /api/stocks (create a stock)**

**GET /api/stocks/1 (get one stock from the list)**

**PATCH /api/stocks/1 (update the price of a single stock)**

**DELETE/api/stocks/1 (delete a single stock)**

1. **POST /api/stocks (create a stock)**

Graphical user interface, text, application, email

Description automatically generated

1. [**http://localhost:8080/GET/api/stocks**](http://localhost:8080/GET/api/stocks)

Graphical user interface, text, application, email

Description automatically generated

{

    "totalItems": 4,

    "Stocks": [

        {

            "id": 1,

            "name": "Apple",

            "currentprice": 10.5600,

            "lastupdate": "2022-02-13T18:36:03.082+00:00"

        },

        {

            "id": 2,

            "name": "Google",

            "currentprice": 100.5600,

            "lastupdate": "2022-02-13T18:36:03.103+00:00"

        },

        {

            "id": 3,

            "name": "Oracle",

            "currentprice": 1000.5600,

            "lastupdate": "2022-02-13T18:36:03.104+00:00"

        }

    ],

    "totalPages": 2,

    "currentPage": 0

}

1. [**http://localhost:8080/GET/api/stocks/3**](http://localhost:8080/GET/api/stocks/3)

Graphical user interface, text, application, email

Description automatically generated

1. **http://localhost:8080/PATCH/api/stocks/3**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

1. **DELETE/api/stocks/1 (delete a single stock)**

Graphical user interface, text, application, email

Description automatically generated

1. **Paging :** [**http://localhost:8080/GET/api/stocks?page=0**](http://localhost:8080/GET/api/stocks?page=0)

Graphical user interface, text, application, email

Description automatically generated

1. **Paging and Size**

Graphical user interface, text, application, email

Description automatically generated

{

    "totalItems": 3,

    "Stocks": [

        {

            "id": 2,

            "name": "Google",

            "currentprice": 100.5600,

            "lastupdate": "2022-02-13T18:36:03.103+00:00"

        }

    ],

    "totalPages": 3,

    "currentPage": 1

}

Generate the jar:

Graphical user interface, text, application, email

Description automatically generated

Or

Run mvn clean package

Docker Commands:

Run

docker build --tag=stockmarketapp:latest .

Text

Description automatically generated

Text

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Text

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