**FRONT-END TEST OUTPUT**

1. Lookup of valid stock name

```
C:\WINDOWS\system32\cmd.  ×    +   ∨

Type of request sending:  lookup
GET /stocks/FishCo / HTTP/1.1
Host:localhost


{'data': {'name': 'FishCo', 'price': 10.0, 'quantity': 27}}
```

2. Lookup for invalid stock name

```
.Type of request sending:  lookup
GET /stocks/Dominos / HTTP/1.1
Host:localhost


{'error': {'code': 404, 'message': 'stock not found'}}
```

3. Buy valid stock

```
C:\WINDOWS\system32\cmd.  ×    +   ∨

Type of request sending:  trade
POST /orders HTTP/1.1
Host: localhost:12345
Content-Type: application/json
Content-Length: 48

{"name": "FishCo", "quantity": 5, "type": "buy"}
{'data': {'transaction_number': 277}}
```

4. Sell valid stock

```
C:\WINDOWS\system32\cmd.  ×    +   ∨

Type of request sending:  trade
POST /orders HTTP/1.1
Host: localhost:12345
Content-Type: application/json
Content-Length: 51

{"name": "MenhirCo", "quantity": 5, "type": "sell"}
{'data': {'transaction_number': 279}}
```

5. Buy invalid stock

```
C:\WINDOWS\system32\cmd.   ×    +    ∨

Type of request sending:   trade
POST /orders HTTP/1.1
Host: localhost:12345
Content-Type: application/json
Content-Length: 52

{"name": "Startbucks", "quantity": 5, "type": "buy"}
{'error': {'code': 404, 'message': 'stock not found'}}
```

6. Sell invalid stock

```
C:\WINDOWS\system32\cmd.   ×    +    ∨

Type of request sending:   trade
POST /orders HTTP/1.1
Host: localhost:12345
Content-Type: application/json
Content-Length: 50

{"name": "Dominos", "quantity": 5, "type": "sell"}
{'error': {'code': 404, 'message': 'stock not found'}}
```

7. Buy stocks greater than trading limit

```
C:\WINDOWS\system32\cmd.   ×    +    ∨

Type of request sending:   trade
POST /orders HTTP/1.1
Host: localhost:12345
Content-Type: application/json
Content-Length: 50

{"name": "FishCo", "quantity": 500, "type": "buy"}
{'error': {'code': 422, 'message': 'max trading volume exceeded'}}
```

8. Sell stocks greater than trading limit

```
Type of request sending:   trade
POST /orders HTTP/1.1
Host: localhost:12345
Content-Type: application/json
Content-Length: 51

{"name": "FishCo", "quantity": 500, "type": "sell"}
{'error': {'code': 422, 'message': 'max trading volume exceeded'}}
```

**CATALOG MICROSERVICE STANDALONE TEST OUTPUT**

TC1 send valid stock name lookup

TC2 send request for invalid stock name lookup

```
C:\WINDOWS\system32\cmd.   ×      +    ∨

Request sending is: GET /Lookup_csv/Dominos
res.status 404
result data stock not found
.Request sending is: GET /Lookup_csv/GameStart
res.status 200
result data {'name': 'GameStart', 'price': 15.99, 'quantity': 48
```

**ORDER MICROSERVICE STANDALONE TEST OUTPUT**

TC1 sell valid stocks

```
.request sent is: POST /orders HTTP/1.1
Host: localhost:8080
Content-Type: application/json
Content-Length: 49

{"name": "FishCo", "quantity": 5, "type": "sell"}
{'transaction_number': 285}
```

TC2 sell stocks quantity exceeding trading limit

```
.request sent is: POST /orders HTTP/1.1
Host: localhost:8080
Content-Type: application/json
Content-Length: 54

{"name": "MenhirCo", "quantity": 5000, "type": "sell"}
max trading volume exceeded
```

TC3 sell invalid stock name

```
.request sent is: POST /orders HTTP/1.1
Host: localhost:8080
Content-Type: application/json
Content-Length: 53

{"name": "StartBucks", "quantity": 5, "type": "sell"}
stock not found
```

TC4 buy invalid stock, TC5 buy stocks quantity exceeding trading limit, TC6 buy a valid stock

C:\WINDOWS\system32\cmd.   ×   +   ⌄

request sent is: POST /orders HTTP/1.1
Host: localhost:8080
Content-Type: application/json
Content-Length: 49

{"name": "Dominos", "quantity": 5, "type": "buy"}
stock not found


.request sent is: POST /orders HTTP/1.1
Host: localhost:8080
Content-Type: application/json
Content-Length: 54

{"name": "GameStart", "quantity": 5000, "type": "buy"}
max trading volume exceeded


.request sent is: POST /orders HTTP/1.1
Host: localhost:8080
Content-Type: application/json
Content-Length: 51

{"name": "GameStart", "quantity": 5, "type": "buy"}
{'transaction_number': 284}