

iVoyant - Hiring Challenge - HackerEarth

JAVA + SpringBoot + MongoDB

Service -

1. *OrderManagement*
2. *Executor*

OrderManagement -

Port - 8000

EndPoints - (base) /v1/stockExchange

- | | |
|------------------|--------------------------|
| 1. POST | - /placeOrder |
| 2. GET | - /fetchOrder/{orderId} |
| 3. PUT | - /updateOrder/{orderId} |
| 4. DELETE | - /deleteOrder/{orderId} |

Executor -

Port - 8001

EndPoints - (base) /v1/stockExchange

- | | |
|----------------|-------------------------|
| 1. POST | - /executeOrder |
| 2. GET | - /fetchOrder/{orderId} |

Post - /v1/stockExchange/placeOrder

Body -

```
{
  "order_id":4234,
  "stock_name":"RIL",
  "type":"BUY",
  "quantity":100,
  "price":1002,
  "time":"2012-10-01T09:45:00.000+02:00"
}
```

Endpoint, takes Order in JSON format, first checks if Order is Already Exist. If Order is New then pass it to Executor

Service, if order is executed, then return JSON to client in format;

```
{
  "trans_id":1796,
  "quantity":100,
  "price":1002,
}
```

Put - /v1/stockExchange/updateOrder/{orderId}