**Web Service Document:**

1. **To Create Instrument (POST):**

<http://localhost:9030/CreateInstrument>

*{ "instrumentDesc" : "Test Instrument", "isActive" : "Y"}*

1. **To Create Instrument (POST):**

<http://localhost:9030/CreateClient>

*{ "clientName" : "Test Client", "clientType" : "C", "isActive" : "Y"}*

1. **To Create Order (POST):**

<http://localhost:9030/CreateOrder>

*{ "description" : "Test Order", "clientId" : "1", "quantity" : "4", "entryDate":"2019-Jan-29", "price": 100, "instrumentId": "1", "isOrderOpen": "Y", "orderType" : "L"}*

1. **To Update Order (POST):**

<http://localhost:9030/UpdateOrder>

*{ "orderId":4, "description" : "Fourth Order For Testing", "clientId" : "1", "quantity" : "2", "entryDate":"2019-01-29", "price": "110", "instrumentId": "1", "isOrderOpen": "N", "orderType" : "L"}*

**Condition Checked –**

* If Order is closed it cannot be updated
* User cannot decrease the quantity

1. **To Create Execution (POST):**

<http://localhost:9030/CreateOrder>

*{ "description" : "Test Order", "clientId" : "1", "quantity" : "4", "entryDate":"2019-Jan-29", "price": 100, "instrumentId": "1", "isOrderOpen": "Y", "orderType" : "L"}*

1. **To Distribute Execution (POST):**

<http://localhost:9030/DistributeExecutionForOrders>

*{ "instrumentId" : "1" }*

1. *Creates List of Valid(if price is more than execution or market order) and Invalid Orders*
2. *If Available execution are more than total required order, it distributes as requested*
3. *If Available execution are less than required, it distributes linearly*
4. *Maintain the transaction detail for each distribution in execuation\_order\_txn table*
5. *Maintain the inventory of execution in execution\_mst table*
6. *Updates order\_mst**after execution*