**Middleware Mini Project**

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This middleware application is to sort numbers using different 4 methods. They are

* bubbleSort
* insertionSort
* selectionSort
* quickSort

**How to run:**

1. First, import all 3 projects to netbeans (Servers\_Mini, Middleware\_Mini, Client\_Mini).
2. Then, run the **Servers\_Mini** class of the Servers\_Mini project.
3. Then, run the **Middleware\_Mini** class of the Middleware\_Mini project.
4. Then, run the **ClientMain** class of the Client\_Mini project.
5. You can see outputs of sorted numbers.

**Diagram:**

Client Application 4 on port 5555 requesting quickSort

Client Application 3 on port 5555 requesting selectionSort

Client Application 2 on port 5555 requesting insertionSort

Client Application 1 on port 5555 requesting bubblesort

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Client Stub running on port 5555

Business logic layer to read the xml file and get the appropriate port number of the server

Server Skeleton running with that appropriate port number

Server 1 running on port 6001 to do bubblesort

Server 2 running on port 6002 to do insertionSort

Server 3 running on port 6003 to do selectionSort

Server 4 running on port 6004 to do quickSort

XML file containing server details with method numbers and port numbers

**Outputs of client applications:**







