

CODE WALKTHROUGH GUIDE

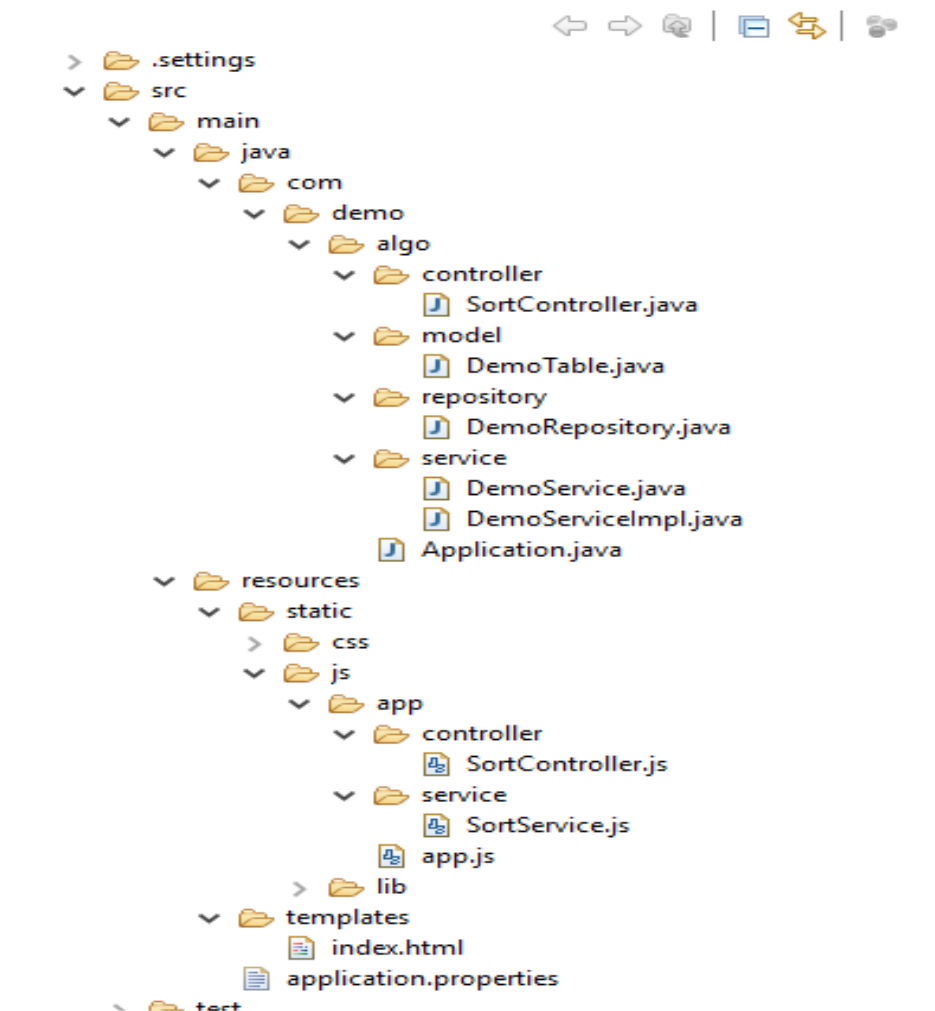
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“Algo” is a springboot application which is sorts the entered numbers in the ascending order. Algo is a bubble sort implementation.

The front end is developed using html5, css and angularjs.

The backend code is developed using restful webservice and jpa for database operations.



Above screenshot shows the folder structure for the code.

During the execution of code URL(mentioned in code execution guide) , a call is made to SortService.js which makes a call to SortController.java and calls the GET rest service “/sort/list” which in turn fetches the existing list of “unsorted list, sorted list, duration and swaps” from the database in json format. The resultset is fetched with the latest entry at the top.

This resultset is then populated to the page.

When user clicks on sort button after entering the comma separated numbers in the text field, a call is made from SortController.js to SortService.js which in turn makes a call to a POST rest service “/sort/save”. The call from the SortController.java is made to the method “saveData” in demoServiceImpl.java. The entered list is passed to this method and the sort is performed on this list and further the data is saved to demotable via jparepository. The “savedata” method in the demoServiceImpl.java returns the saved entity if saved successfully else it returns null object. The success or failure message is displayed on the screen with the latest data at the top in the table on the screen.