



# Angular 5 CT Specialization

## Angular Material Lab 14

January 2019

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## Document Control

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## Adding sort functionality to the data table

1. Open **notes.component.html** file & add the following directive to the **<table>** element:  
`matSort`
2. Add the following directive to the **<th>** element:  
`mat-sort-header`
3. Add the following import statement in **notes.component.ts** file:  
`import {MatSort} from '@angular/material';`
4. Add the following inside the **NotesComponent** class:  
`@ViewChild(MatSort) sort: MatSort;`
5. Add the following method inside the **NotesComponent** class:  
`this.datasource.sort = this.sort;`
6. Serve the application & navigate to **http://localhost:4200/contactmanager**. Click on a contact name. Go to the notes tab & observe that the table columns can now be clicked to sort the column data in ascending or descending order.

## Subscribing to *matSortChange* event

7. In the **notes.component.html** file, add the following to the **<table>** element:  
`(matSortChange)="DisplaySortInfo($event)"`
8. Add the following method inside the **NotesComponent** class:

```
public DisplaySortInfo(e:any):void
{
    console.log("Sort Info: ", e);
}
```
9. Open the browser console. Now, when a column header is clicked, the **matSortChange** event is fired which displays information as shown below:

