

Angular Assessment

Duration: 60 min.

Problem Statement:

This hospital management system consists of two views one being hospital view and other department view. There is a table showing the list of hospitals in hospital view. Above the table there is a button for sorting the table according to the hospital name. On clicking view link present beside the hospital name in that row the view changes to table consisting of departments present in that hospital. Similar to hospital list there is a button for sorting the department list based on department name present on top of department table On clicking the back button present in the department view the view should be switched back to hospital view. The navigation should be achieved by using the **router module** with the hospital view as the default route

1. Create the following Components and Services.
 1. HospitalView Component
 2. DepartmentView Component.
 3. Hospital Service.
2. Create two arrays in hospital.service.ts named Hospitals and Departments. Place the below data in the arrays.
 1. Hospitals = [{ hospitalname: 'KIMS', contactnumber: '9632587410' }, { hospitalname: 'CSI Mission Hospital', contactnumber: '9685321470' }];
 2. Departments = [{ departmentname: 'nephrology', head: 'Dr. A P Kulashekhar', contactnumber: '9876543210', hospitalname: 'KIMS' }, { departmentname: 'neurology', head: 'Dr.B Raj Kumar', contactnumber: '9876543210', hospitalname: 'KIMS' }, { departmentname: 'cardiology', head: 'Dr. L Sri Devi', contactnumber: '9876543210', hospitalname: 'KIMS' }, { departmentname: 'ENT', head: 'Dr. K Ram Prasad', contactnumber: '9876543210', hospitalname: 'CSI Mission Hospital' }, { departmentname: 'ophthalmology', head: 'Dr. J Sirisha', contactnumber: '9876543210', hospitalname: 'CSI Mission Hospital' }];
3. Create tables in both *hospital-view.component.html* and *department-view.component.html* to display the details present in the *hospital.service.ts*.

4. On starting the application the details of hospitals should be displayed as shown below with the navigation link *'/hospital'*.

HOSPITAL MANAGEMENT SYSTEM		
Hospital List		
Sort by Hospital Name		
Department Name	Contact Number	View Department
KIMS	9632587410	View
CSI Mission Hospital	9685321470	View
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5. On clicking the *View* link the details of departments present in that particular hospital should be displayed as shown below with the navigation link *'/department'*.

HOSPITAL MANAGEMENT SYSTEM		
Department List		
Sort by Department Name Back		
Department Name	Head of Department	Contact Number
NEPHROLOGY	Dr. A P Kulashekhar	9876543210
NEUROLOGY	Dr.B Raj Kumar	9876543210
CARDIOLOGY	Dr. L Sri Devi	9876543210
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