## GOA COLLEGE OF ENGINEERING

"Bhausaheb Bandodkar Technical Education Complex"

Experiment No: 6b Date:

Aim: To implement a todo list using AngularJS

Theory:

### **Directives in AngularJs**

AngularJS lets you extend HTML with new attributes called Directives. AngularJS has a set of built-in directives which offers functionality to your applications. AngularJS also lets you define your own directives. AngularJS directives are extended HTML attributes with the prefix ng-. The ng-app directive initializes an AngularJS application. The ng-init directive initializes application data. The ng-model directive binds the value of HTML controls (input, select, textarea) to application data.

#### ng-show directive

The ng-show directive shows the specified HTML element if the expression evaluates to true, otherwise the HTML element is hidden. The expression can be a js expression using attributes ffrom the controller

#### ng-click directive

The ng-click directive tells AngularJS what to do when an HTML element is clicked. Unlike the onclick attribute, ng-click allows access to methods of the controller.

#### Code:

```
angular.module("noteApp",[]).controller("NoteCtrl", ['$scope', $compile', function($scope, $compile) {
let self=this;
self.noteNum=0;
self.takeNote=false:
self.currentNote=null;
self.newNote=function(){
self.takeNote=true;
}
self.edit=function(noteNum){
self.takeNote=true;
let note=document.getElementById(`note${noteNum}`);
document.getElementById("note-content").value=note.innerText;
self.currentNote=note;
}
self.createAndPushNote=function(content){
let notesContainer=document.getElementById('notes-container')
let newNote=$compile(`
<div class="note" id="note${self.noteNum}" ng-click="ctrl.edit(${self.noteNum})">
${content}
</div>
)($scope)
self.noteNum+=1;
angular.element(notesContainer).append(newNote);
}
```

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```
self.leaveNote=function(){
self.takeNote=false;
document.getElementById("note-content").value="";
}
self.saveNote=function(){
let noteContent=document.getElementById("note-content").value;
if(self.currentNote==null){
self.createAndPushNote(noteContent);
}
else{
let p=self.currentNote
if(noteContent==""){
p.parentNode.removeChild(p);
}
else{
p.innerHTML=noteContent;
}
self.currentNote=null;
self.leaveNote();
}
}]);
```

Output:

Hehe Helllloooo

Xander was everywhere, from posters on the wall, stacks of books he'd allegedly written, even a red carpet entrance flanked by adoring female fans and photographers.

I have got a family library in our house and sometimes I borrow books from the school library. But sorry to say, there are a really less number of people are aware of the advantages of reading books.

New Todo

The principal reason behind the reading book is gaining knowledge. It let us learn new things and acquire proper information about something. It gives us a detailed and in-depth insight about the topic If you read fiction, that will improve your imagination. When you will start imaging you are part of the story, it will make you visionary. You will learn how to handle different kinds of situations through

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