

GOA COLLEGE OF ENGINEERING

“Bhausaheb Bhandodkar 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 from 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;

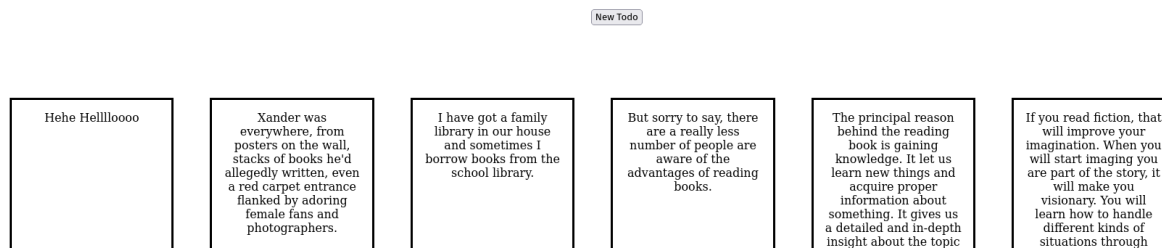
  self.newNote=function(){
    self.takeNote=true;
  }
  self.edit=function(noteNum){
    self.takeNote=true;
    let note=document.getElementById(`note${noteNum}`);
    document.getElementById("note-content").value=note.innerText;
    self.currentNote=note;
  }
  self.createAndPushNote=function(content){
    let notesContainer=document.getElementById('notes-container')
    let newNote=$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:



Conclusion: A Todo list app was successfully written using angular js

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