Lab I - Angular basics

View directives

ng-app creates an angular app

```
<div ng-app></div>
```

ng-click wires up a click callback on the element

```
<div ng-click="save()"></div>
```

ng-show determines wether an element shows or not

```
<div ng-show="list.length > 0" ></div>
```

ng-controller creates a controller context

```
<div ng-controller="controllerName" ></div>
```

ng-repeat loops out items in a list

```
<ul>
   <li ng-repeat="item in items">
     {{ $index item.name}}
   </li>
</ul>

0 item 1
1 item 2
etc
```

Bootstrapping

create a module

```
angular.module('app',[]);
```

get a module

```
angular.module('app');
```

Concepts

create a controller

```
angular .module('app',[]) .controller('appController', function($scope){ })
```

create a service

```
angular .module('app',[]) .service('service', function(){ this.name = "test"; })
```

create a factory

```
angular .module('app',[]) .factory('factory', function(){ return { add : function(){} } })
```

routing

```
angular
   .module('app',[])
   .config(function($routeProvider){
     $routeProvider.when('/Home',
        {
           template : 'feels like home {{title}}',
           controller : function($scope){ $scope.title = 'a title';
           }
      })
    })
```

Task I

Create an angular application that is a todo list

You should be able to add and remove / mark as done items

index.html

```
<div ng-controller="todoController">
    <input type="text" ng-model="newItem" />
    <button ng-click="add()">add</button>

    <ul ng-repeat="item in items">
      <li ng-click="setAsDone()">
         {{item}}
      </li>
    </ul>
</div>

Fill in the rest..
```

Task II

Shopping cart

Select from a list of products Add products to cart

- It would be nice if a product has a price
- Clicking a product should add it to cart
- Clicking a cart item should remove it from cart
- It would be nice cart shows total value