

# ANGULARJS

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TTY Web-ohjelmointi –kurssi

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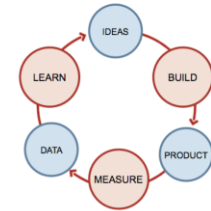
21.4.2015

# PROTO

- › Miksi kannattaa tehdä proto?

## BUILD-MEASURE-LEARN

- › Ratkaisemisen arvoisen ongelman minimiratkaisu testataan asiakkailla
- › Sykli läpi mahdollisimman monta kertaa rajoitteiden puitteissa
- › Vältä hukkaa!



SOLITA

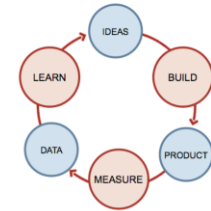
Lähde: Jere Käpyaho -- Lean ja ketterä kehitys

# PROTO

- › Miksi kannattaa tehdä proto?
- › <http://bit.ly/tut-ng-proto>

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SOLITA

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## Front-end (AngularJS)

Bootstrap

Controller + HTML

Service

HTTP

Rest Resource  
(Jersey + Jackson)

Controller +  
JSP

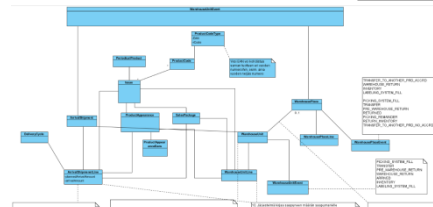
Service

Domain + DAO

Mock  
Back-  
end

CI  
(Bamboo)

Bamboo  
Agent



# ANGULARJS – PERUSTEET - SISÄLTÖ

- › Lyhyt johdanto AngularJS:ään – peruskäsitteet
- › Hands-on-harjoittelua
  - Model and View
  - Direktiivit

## TAVOITE


- › Osata toteuttaa ensimmäisiä AngularJS-sovelluksia

AngularJS - v1.2.10-build.1

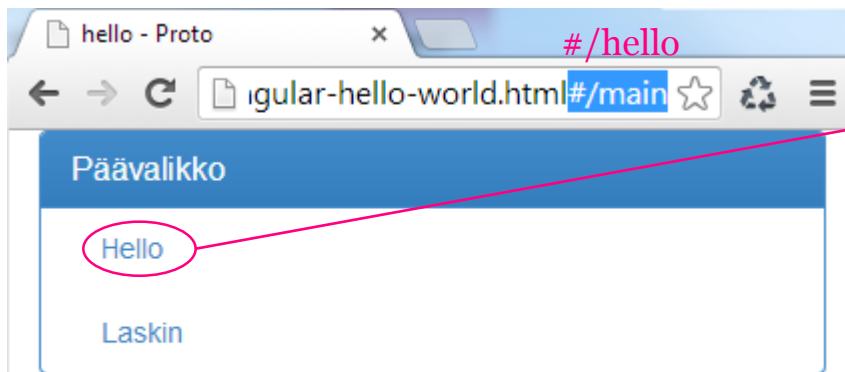
- Controllers
- Filters
- Templates
- Introduction
- Conceptual Overview**
- Understanding Angular Services
- Managing Service Dependencies
- Creating Services
- Injecting Services Into Controllers
- Testing Angular Services
- Using \$location
- Angular Services
- Data Binding
- Working With CSS in Angular
- Dependency Injection
- Providers
- Modules
- Scopes
- Expressions
- Bootstrap
- Directives
- HTML Compiler
- Forms

Developer Guide / concepts

There are some concepts within Angular that you should understand before creating your first application. This section touches all important parts of Angular really quickly using a simple example. However, it won't explain all details. For a more in-depth explanation, have a look at the [tutorial](#).

 Improve this doc

Concept	Description
Template	HTML with additional markup
Directives	extend HTML with custom attributes and elements
Model	the data that is shown to the user and with which the user interacts
Scope	context where the model is stored so that controllers, directives and expressions can access it
Expressions	access variables and functions from the scope
Compiler	parses the template and instantiates directives and expressions
Filter	formats the value of an expression for display to the user
View	what the user sees (the DOM)
Data Binding	sync data between the model and the view
Controller	the business logic behind views
Dependency Injection	Creates and wires objects / functions
Injector	dependency injection container
Module	configures the Injector
Service	reusable business logic independent of views



```
helloApp.config(['$routeProvider', function($routeProvider) {  
    $routeProvider.  
        when('/hello', {  
            templateUrl: 'hello.html',  
            controller: 'HelloCtrl'  
        }).  
        when('/calculator', {  
            templateUrl: 'calculator.html',  
            controller: 'CalculatorCtrl'  
        }).  
        when('/main', {  
            templateUrl: 'main.html'
```

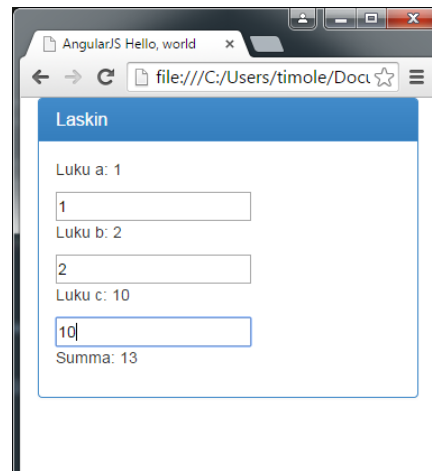
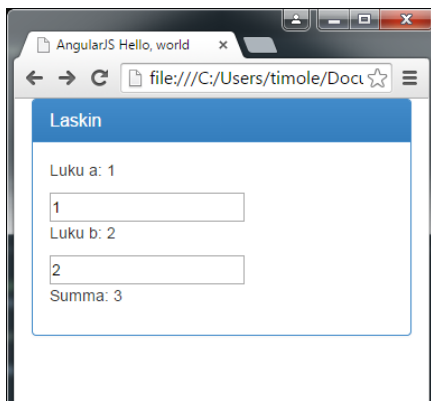
```
helloControllers.controller('HelloCtrl', ['$scope', '$location',  
    function($scope, $location) {  
        $scope.sayHello = function() {  
            alert("Hello, world");  
        };  
    }]);
```



```
<script type="text/ng-template" id="hello.html">  
    <div class="container" ng-controller="HelloCtrl">  
        <div class="panel panel-primary">  
            <div class="panel-heading">  
                <h1 class="panel-title">Hello, world</h1>  
            </div>  
            <div class="panel-body">  
                <button ng-click="sayHello()">Click to say hello</button>  
            </div>  
        </div>  
    </script>
```

# HANDS-ON: MODEL AND VIEW

- Lisää laskin-sivulle kolmas muuttuja c, joka lasketaan summaan mukaan



Tallenna tiedosto osoitteesta: <http://bit.ly/tut-ng>



# HANDS-ON: DIREKTIIVIT

- Toteuta uusi direktiivi ”omaNimi”, joka tulostaa oman nimesi.

```
<div class="panel-heading">  
  <h1 class="panel-title">Laskin</h1>  
  <oma-nimi></oma-nimi>  
</div>
```

Laskin  
Oma Nimesi

Luku a: 1

SOLITA