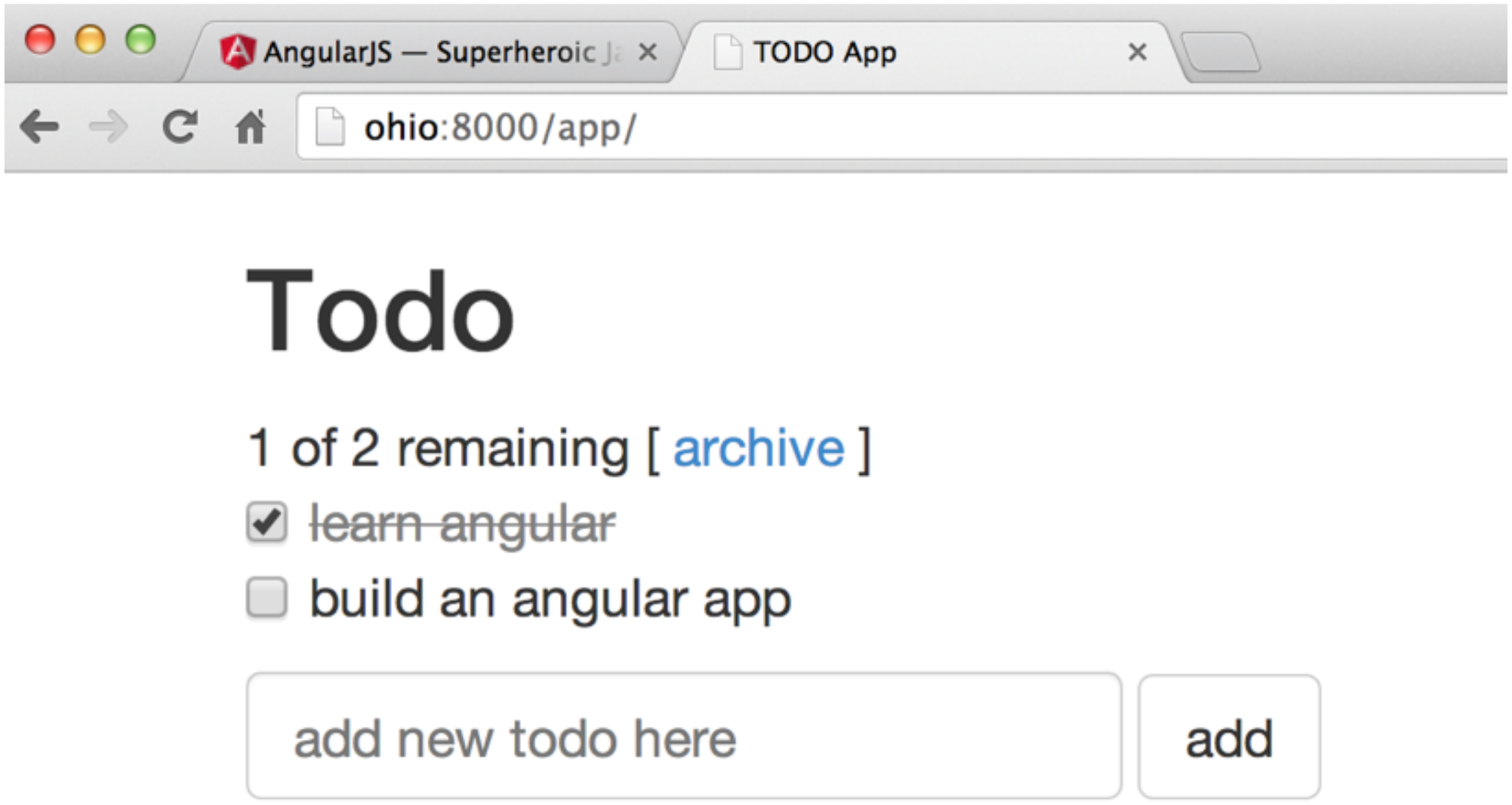
Tian & Jianjun

How?

- How to introduce AngularJS to people who aren't familiar with Single Page Web Application programming ?

- Just show me the code.

Demo


AngularJS — Superheroic J
TODO App
ohio:8000/app/
Todo
1 of 2 remaining [archive]
learn angular
build an angular app
add new todo here
add

The old way

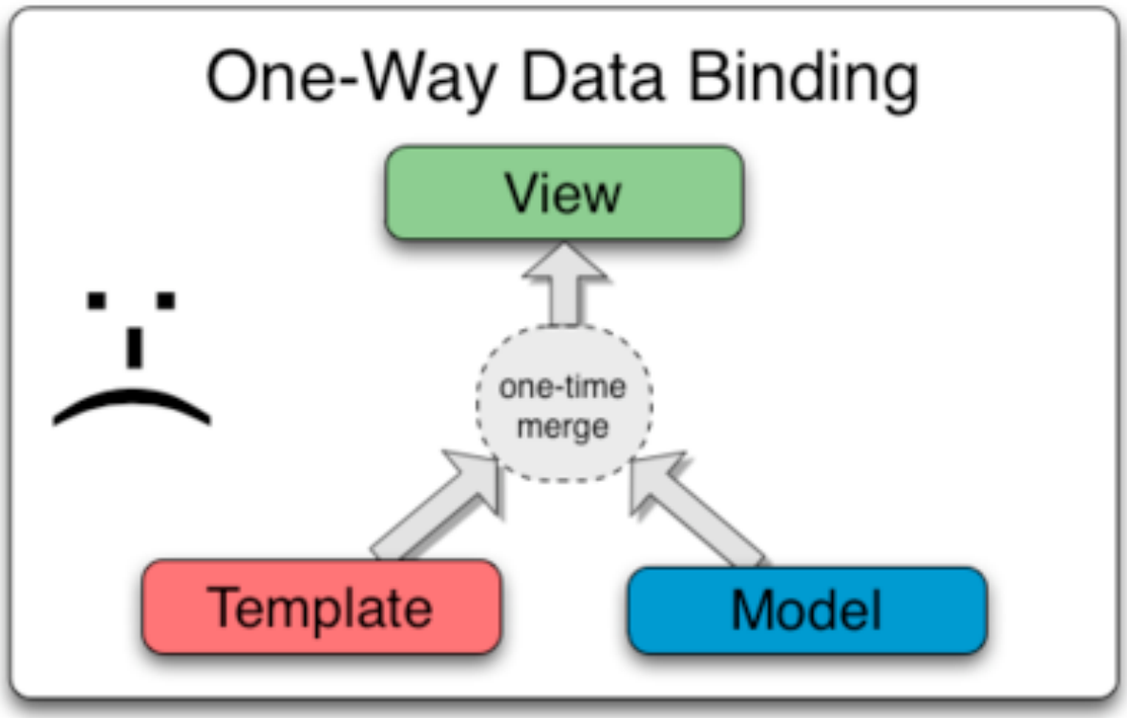
jQuery is a fast, small, and feature-rich JavaScript library.

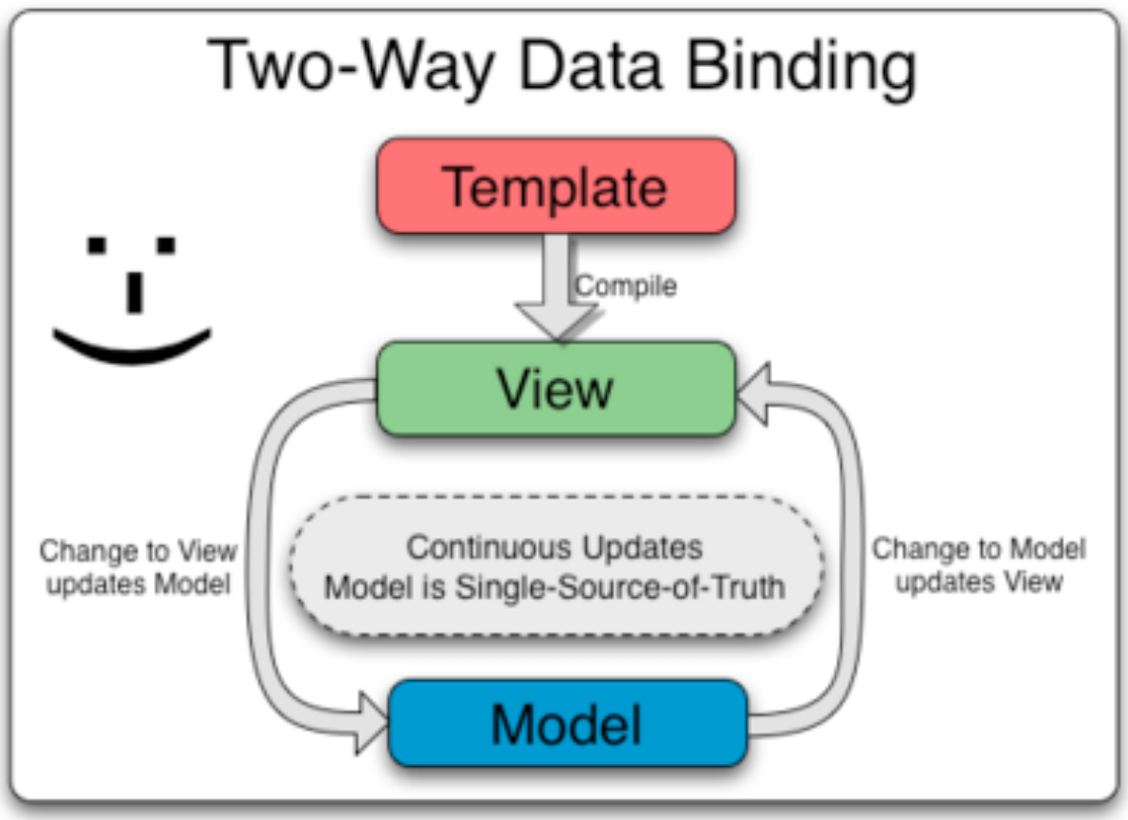
The new way

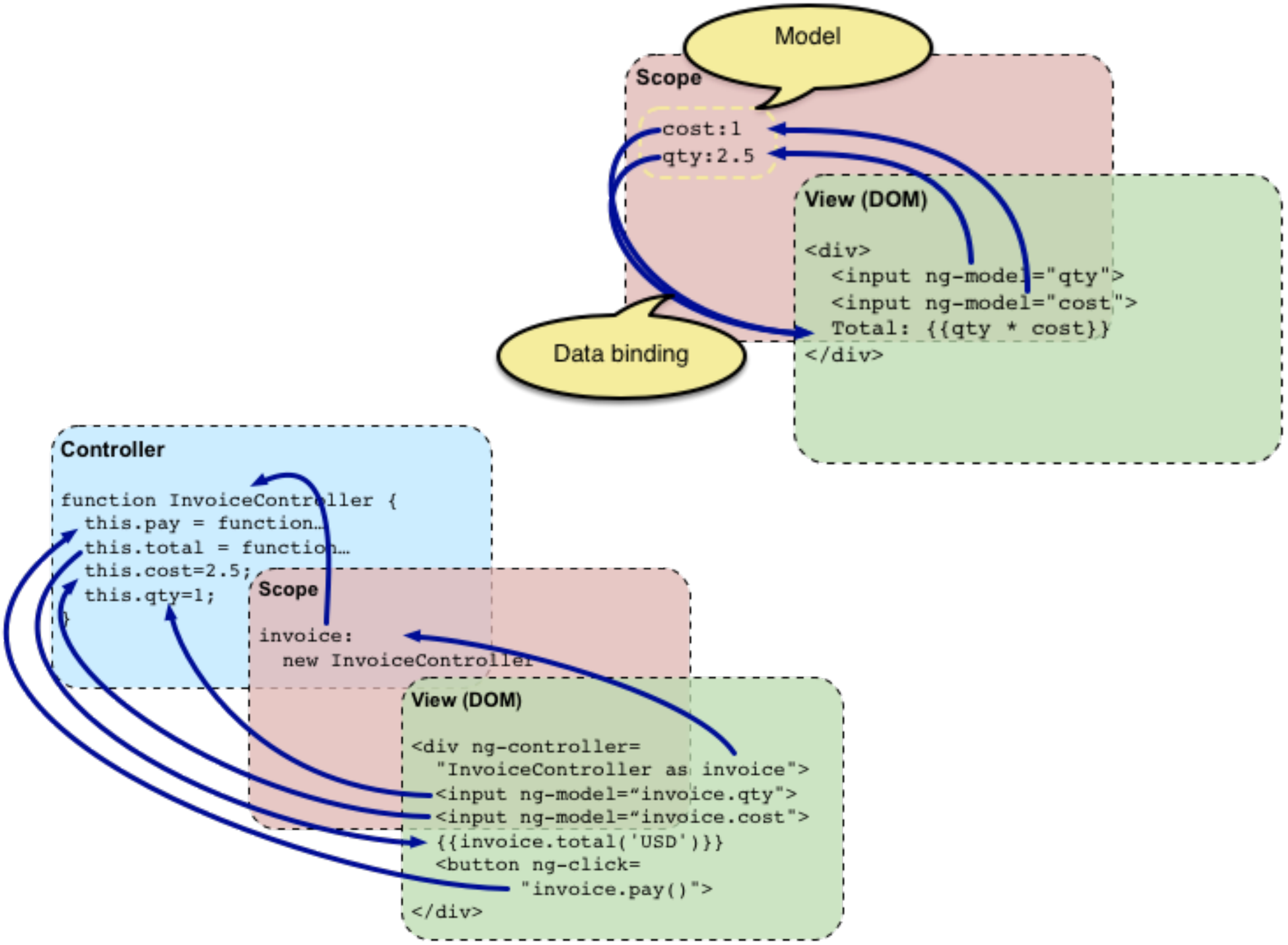
AngularJS is a structural framework for dynamic web apps.

Q & A

Data-binding of 3D



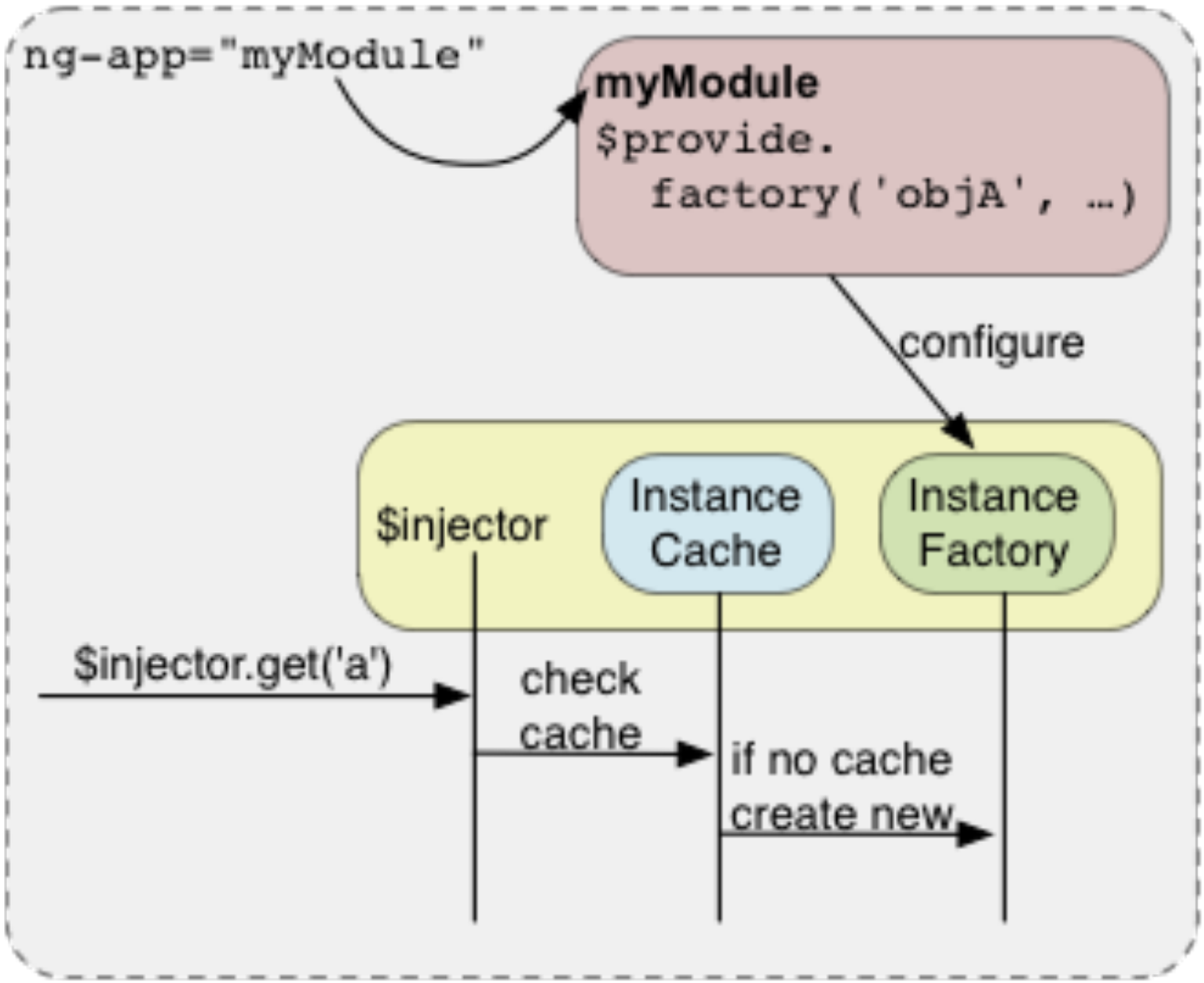


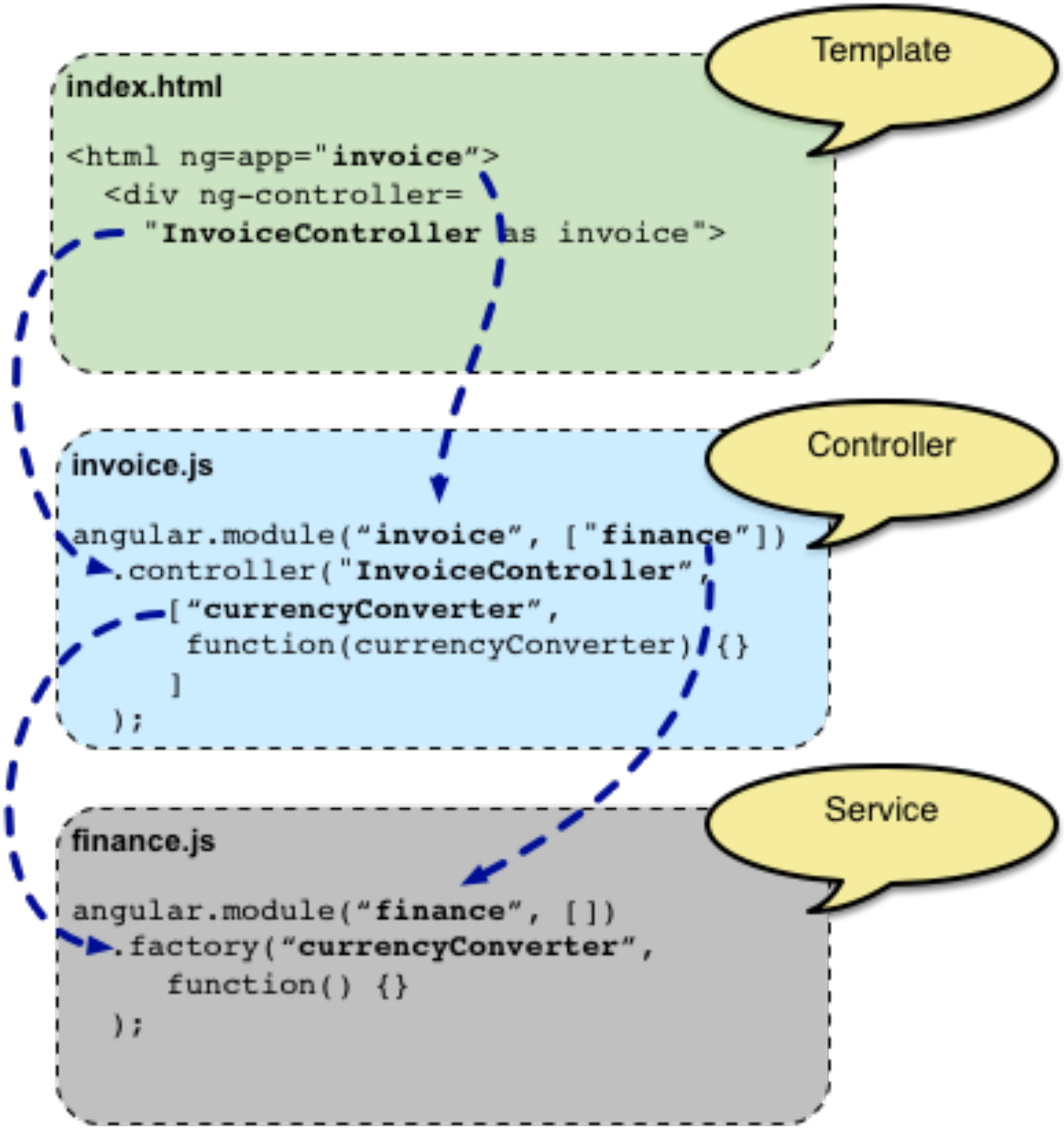

Model
Scope
cost:1
qty:2.5
View (DOM)

<input ng-model="qty">
<input ng-model="cost">
Total: {{qty * cost}}

Data binding
Controller
function InvoiceController {
this.pay = function…
this.total = function…
this.cost=2.5;
this.qty=1;
}
Scope
invoice:
new InvoiceController
View (DOM)
<div ng-controller=
"InvoiceController as invoice">
<input ng-model="invoice.qty">
<input ng-model="invoice.cost">
{{invoice.total('USD')}}
<button ng-click=
"invoice.pay()">

Dependency Injection of 3D



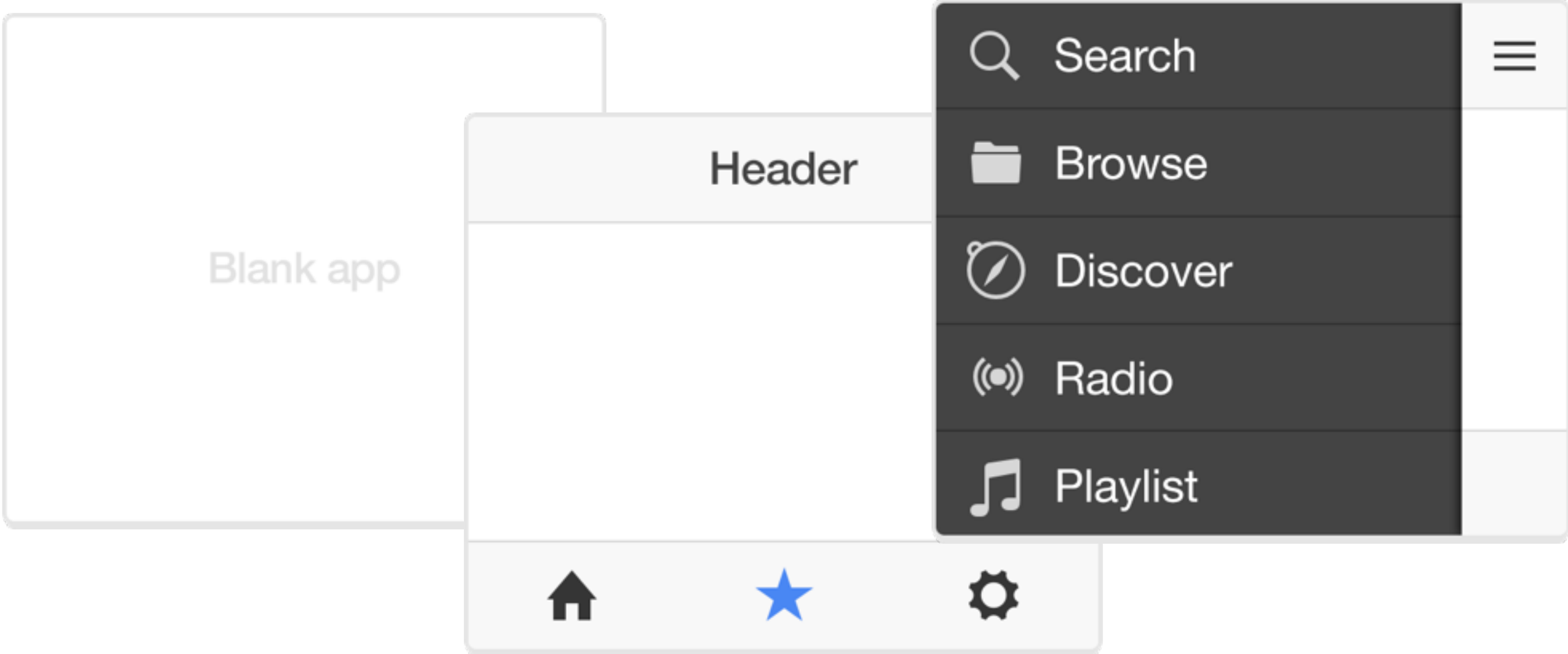

Template
index.html
<html ng=app="invoice">
<div ng-controller=
"InvoiceController as invoice">
Controller
invoice.js
angular.module("invoice", ["finance"])
.controller("InvoiceController",
["currencyConverter",
function(currencyConverter) {}
]
);
Service
finance.js
angular.module("finance", [])
.factory("currencyConverter",
function() {}
);

Directive of 3D

- <input ng-model=“foo">
- <input data-ng:model="foo">
- <my-customer info="naomi"></my-customer>

Ionic

The beautiful, open source front-end framework for developing hybrid mobile apps with HTML5.



Play with demo

- Requirement
  - NodeJS >= 0.10.28
    - run “sudo dpkg -i /nextop/machine/ohio/share/tar/node_0.10.29-1_amd64.deb” to install it on a personal machine(for Ubuntu 12.04 amd64)
- Todo-demo source code
  - copy tar from /nextop/machine/ohio/share/tar/todo-demo-steps.tar.gz
  - extract and chdir to it, then run “npm start” to start a local server
  - open browser and enter http://localhost:8000 to play