

AngularFire

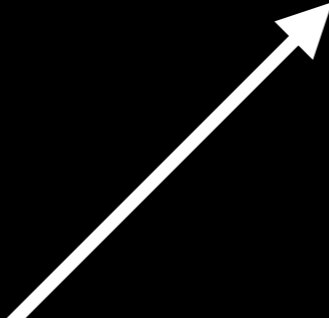
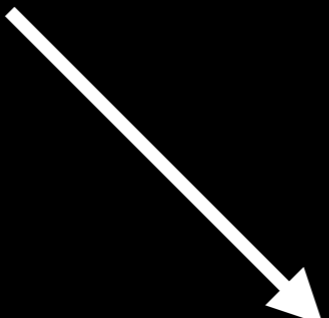
Three-Way Data Binding with AngularJS and Firebase



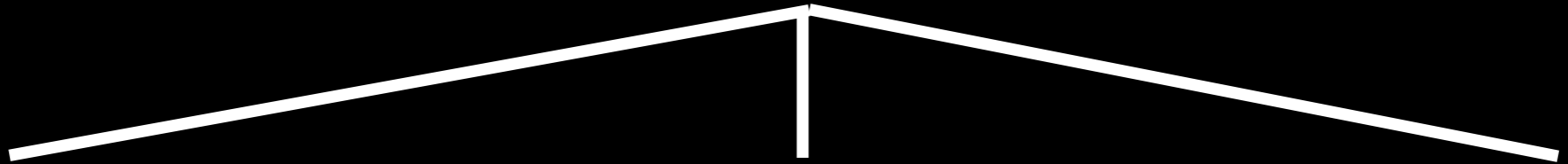
angular.js

model

view



whatever



controller

directive

...

view

Hello, {{name}}.

model

```
$scope.name = "world"
```


controllers

```
<div ng-controller="HelloCtrl">  
  Hello, {{name}}.  
</div>
```

```
.controller('HelloCtrl', function($scope) {  
  $scope.name = "world"  
})
```

```
<html ng-app="helloWorld">
```

is.gd/angularfire

```
<div ng-controller="HelloCtrl">  
  Hello, {{name}}.  
</div>
```

```
.controller('HelloCtrl', function($scope) {  
  $scope.name = "world"  
})
```

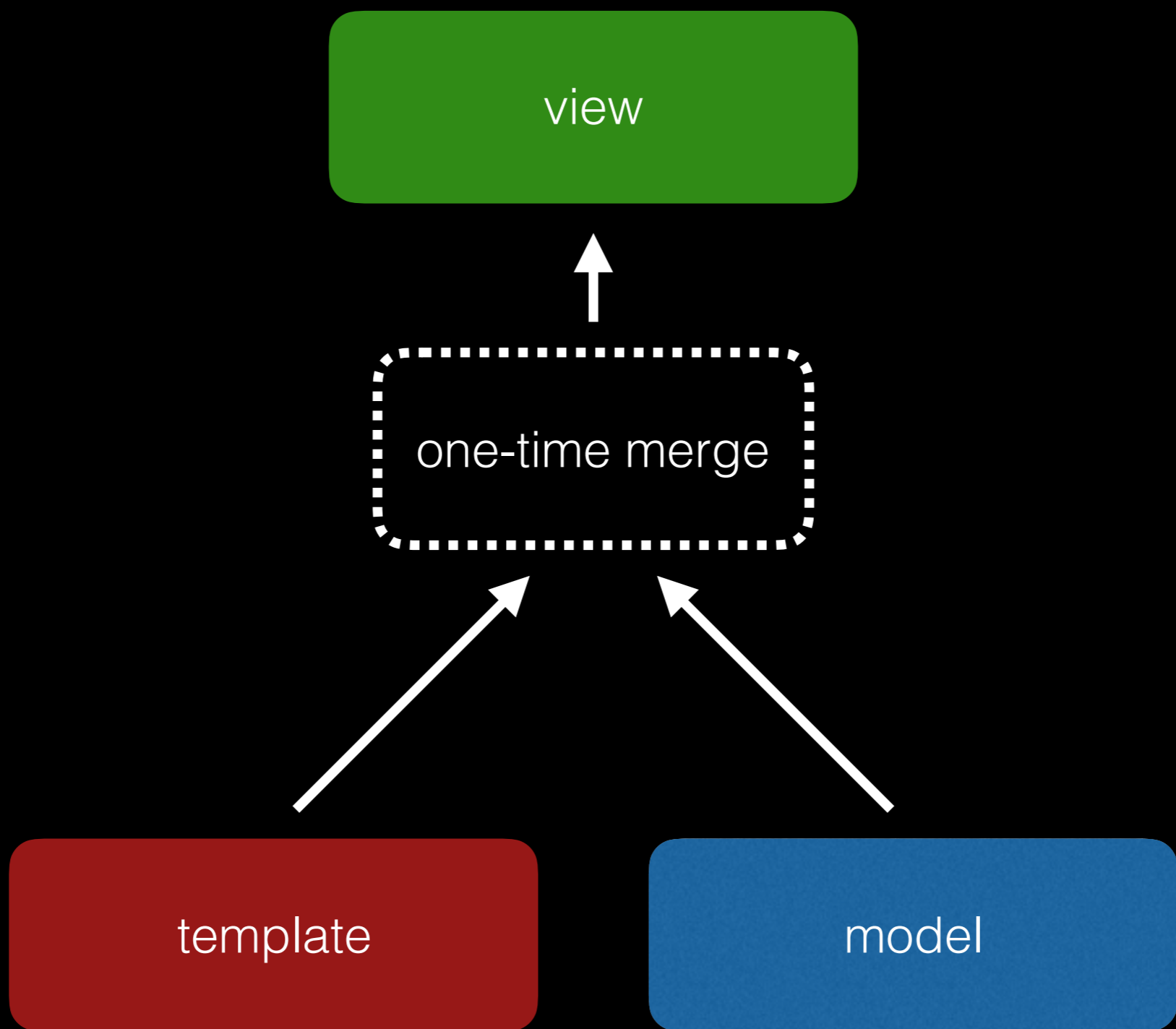
```
<div ng-controller="HelloCtrl">
  <button ng-click="world()">World</button>
  <button ng-click="charlie()">Charlie</button>
  <p>Hello, {{ name || "world" }}.</p>
</div>
```

```
.controller('HelloCtrl',function($scope) {
  $scope.charlie = function() {
    $scope.name = "Charlie"
  }
  $scope.world = function() {
    $scope.name = "world"
  }
})
```

```
<div ng-controller="HelloCtrl">
  <button ng-click="greet('world')">World</button>
  <button ng-click="greet('charlie')">Charlie</button>
  <p>Hello, {{ name || "world" }}.</p>
</div>
```

```
.controller('HelloCtrl',function($scope) {
  $scope.greet = function(name) {
    $scope.name = name
  }
})
```

two-way data binding



template



view

continuous updates



model



```
<div ng-controller="HelloCtrl">
  <input type="text" ng-model="name" />
  <p>Hello, {{name}}.</p>
</div>
```

```
.controller('HelloCtrl', function($scope) {
  $scope.name = "world"
})
```

```
<html ng-app="twitter50">
```

```
.controller('FeedCtrl', ['$scope', function($scope) {
  $scope.tweets = [
    "Always remember that you are absolutely unique. Just like
everyone else.",
    "People who think they know everything are a great annoyance to
those of us who do.",
    "I'm sorry, if you were right, I'd agree with you."
  ]
}])
```

```
<div ng-controller="FeedCtrl">  
  <div class="tweet" ng-repeat="tweet in tweets">  
    <p>{{tweet}}</p>  
  </div>  
</div>
```

```
.controller('FeedCtrl', ['$scope', function($scope) {
  $scope.tweets = [
    {
      author: "Margaret Mead",
      text: "Always remember that you are absolutely unique. Just
like everyone else."
    },
    {
      author: "Isaac Asimov",
      text: "People who think they know everything are a great
annoyance to those of us who do."
    },
    {
      author: "Robin Williams",
      text: "I'm sorry, if you were right, I'd agree with you."
    }
  ]
}])
```

```
<div id="tweets" ng-controller="FeedCtrl">
  <div class="tweet" ng-repeat="tweet in tweets">
    <h2>{{tweet.author}}</h2>
    <p>{{tweet.text}}</p>
  </div>
</div>
```



```
.controller('FeedCtrl', ['$scope', function($scope) {  
    $scope.post = function(tweet) {  
        $scope.tweets.push(angular.copy(tweet))  
    }  
}])
```

```
<div ng-controller="FeedCtrl">
  <form>
    <input placeholder="author" ng-model="tweet.author" /><br>
    <input placeholder="text" ng-model="tweet.text" /><br>
    <input type="submit" ng-click="post(tweet)" value="Post" /><br>
  </form>
  <div class="tweet" ng-repeat="tweet in tweets.slice().reverse()">
    <h2>{{tweet.author}}</h2>
    <p>{{tweet.text}}</p>
  </div>
</div>
```

```
<div ng-controller="FeedCtrl">
  <form>
    <input placeholder="author" ng-model="tweet.author" /><br>
    <input placeholder="text" ng-model="tweet.text" /><br>
    <input type="submit" ng-click="post(tweet)" value="Post" /><br>
  </form>
  <input placeholder="search" ng-model="search" /><br>
  <div class="tweet" ng-repeat="tweet in tweets.slice().reverse() |
filter:search">
    <h2>{{tweet.author}}</h2>
    <p>{{tweet.text}}</p>
  </div>
</div>
```

Firebase



- NoSQL Cloud Database
- data stored in JSON
- data synced across all connected clients in realtime
- data available when your app is offline

AngularFire

(Three-Way Data Binding)

```
<html ng-app="helloWorld">
```

```
<div ng-controller="HelloCtrl">
  <input type="text" ng-model="name.text" />
  <p>Hello, {{name.text}}.</p>
</div>
```

```
.controller('HelloCtrl', ['$scope', '$firebaseObject',
function($scope, $firebaseObject) {
  var ref = new Firebase("https://<YOUR-APP>.firebaseio.com")
    .child("name")
  var syncObject = $firebaseObject(ref)
  syncObject.$bindTo($scope, 'name')
}])
```



```
<html ng-app="twitter50">
```

```
.controller('FeedCtrl', ['$scope', '$firebaseArray', function($scope,
$firebaseArray) {
    var ref = new Firebase("https://<YOUR-APP>.firebaseio.com")
        .child("tweets")
    $scope.tweets = $firebaseArray(ref)
    $scope.post = function(tweet) {
        $scope.tweets.$add(angular.copy(tweet))
    }
}])
```

thank you