

Formation

Mobile Hybride

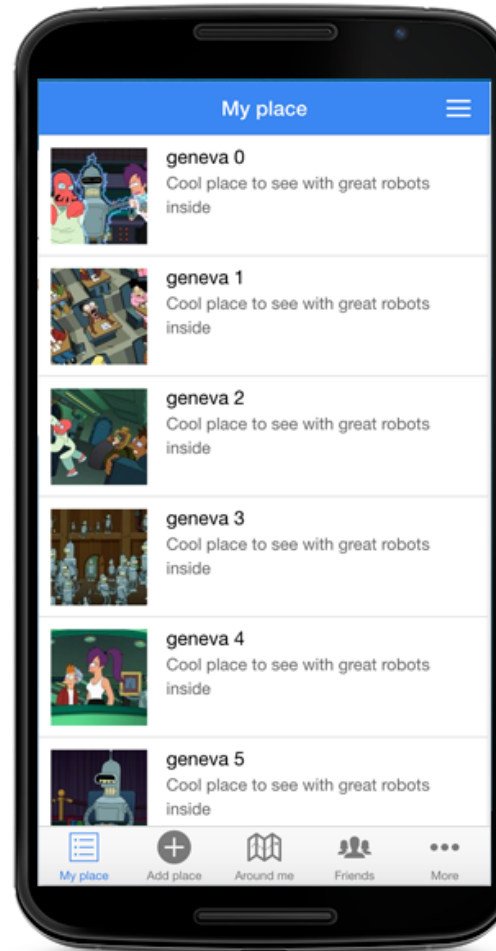
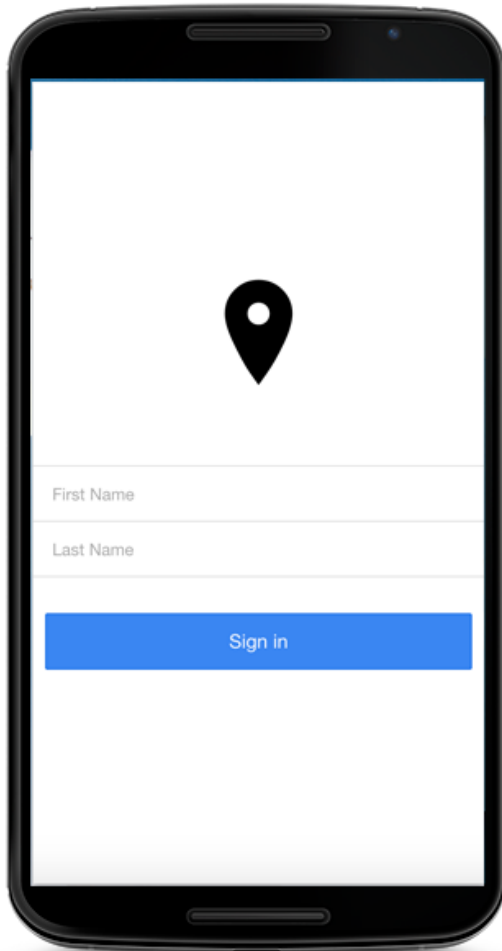
Day 2

Cordova, Ionic, Firebase

Agenda

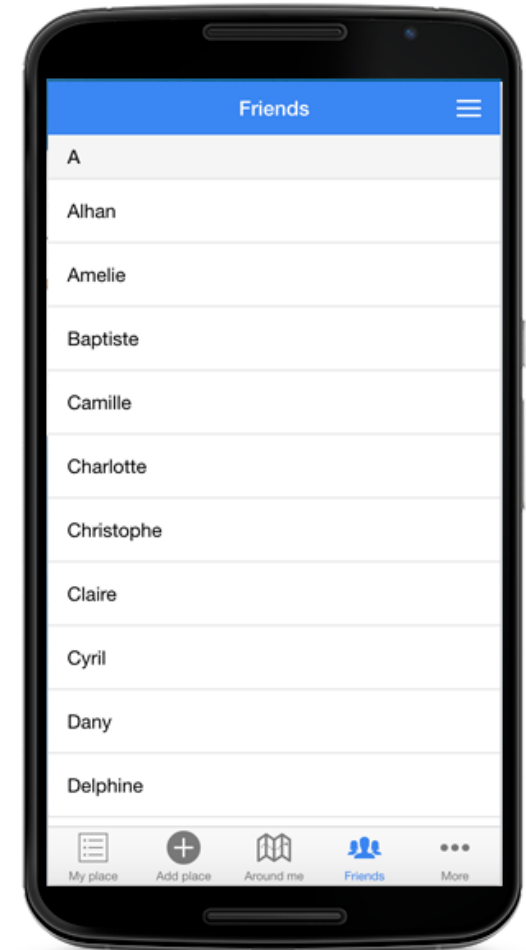
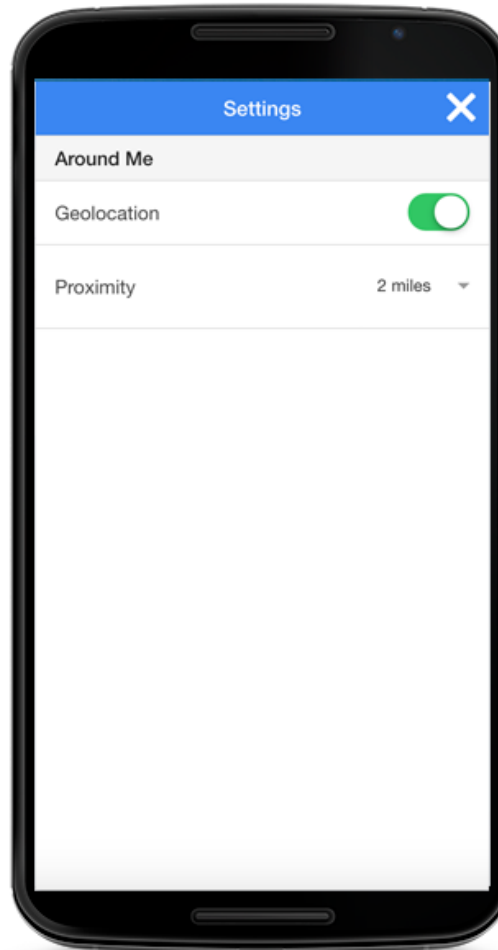
1. Correction travaux pratique
2. Collection-repeat
3. Ionic Maps
4. Ionic Modal
5. List / Toggle / Select
6. \$http et promesses

Objectif:



Prototype « Ionic Places »

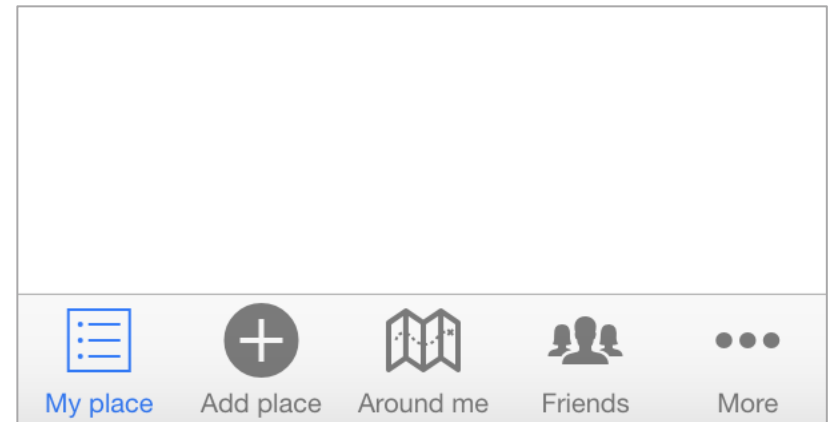
Objectif:



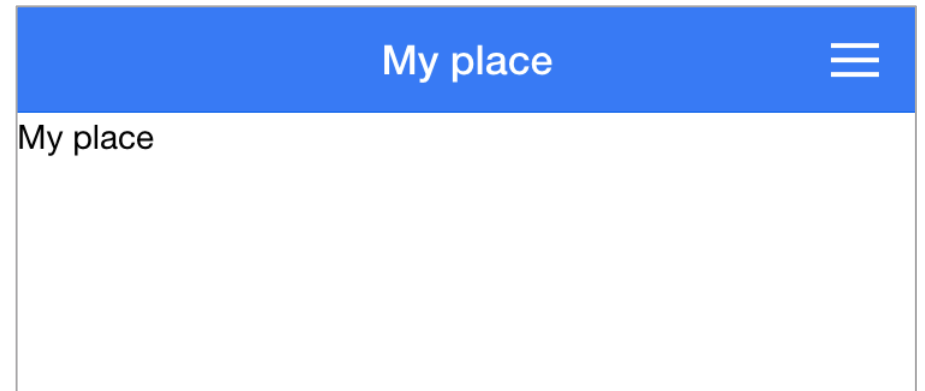
Prototype « Ionic Places »

Correction

\$ git checkout valid-0

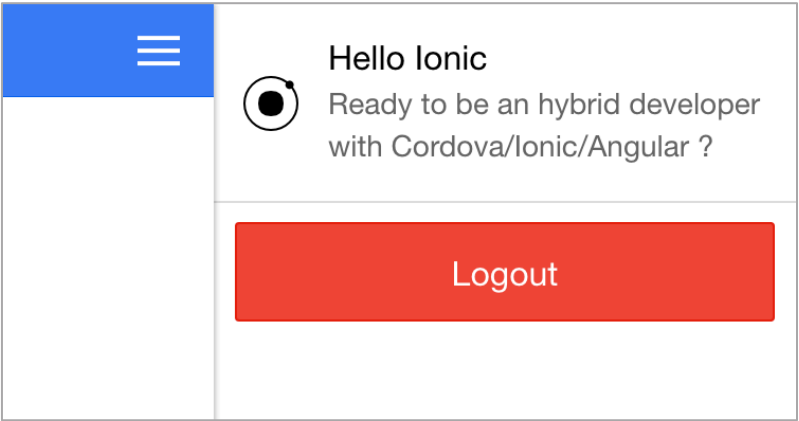


\$ git checkout valid-1

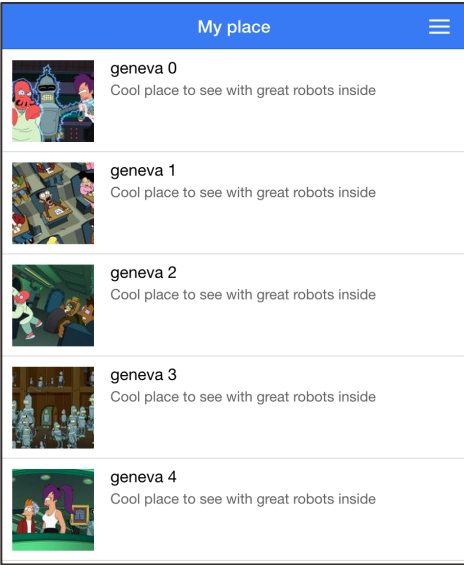


Correction

\$ git checkout valid-1




\$ git checkout valid-3




~~ng-repeat~~ collection-repeat

My place




geneva 37

Cool place to see with great robots inside




geneva 38

Cool place to see with great robots inside




geneva 39

Cool place to see with great robots inside




geneva 40

Cool place to see with great robots inside




geneva 41

Cool place to see with great robots inside



geneva 42


Cool place to see with great robots inside





geneva 43


Cool place to see with great robots inside

My place









Elements | Network | Sources | Timeline | Profiles | Resources | Audits | Console

```

transition="ios" nav-view-direction="none" nav-swipe>
  <ion-view class="pane" nav-view="active" style="opacity: 1; -webkit-transform: translate3d(0%, 0px, 0px);">
    <ion-content class="has-header scroll-content ionic-scroll has-tabs">
      <div class="scroll" style="-webkit-transform: translate3d(0px, -3108.5px, 0px) scale(1);">
        <div class="list">
          <div class="collection-repeat-container" style="-webkit-transform: translate3d(0px, 0px, 0px)">
            <a class="item item-thumbnail-left collection-repeat=item in list track by $index" collection-item-height="100" collection-item-width="100%" style="-webkit-transform: translate3d(0px, 3100px, 0px); height: 101px; width: 632px;">...</a>
            <a class="item item-thumbnail-left collection-repeat=item in list track by $index" collection-item-height="100" collection-item-width="100%" style="-webkit-transform: translate3d(0px, 3300px, 0px); height: 101px; width: 632px;">...</a>
            <a class="item item-thumbnail-left collection-repeat=item in list track by $index" collection-item-height="100" collection-item-width="100%" style="-webkit-transform: translate3d(0px, 3500px, 0px); height: 101px; width: 632px;">...</a>
            <a class="item item-thumbnail-left collection-repeat=item in list track by $index" collection-item-height="100" collection-item-width="100%" style="-webkit-transform: translate3d(-9999px, -9999px, 0px); height: 101px; width: 632px;">...</a>
            <a class="item item-thumbnail-left collection-repeat=item in list track by $index" collection-item-height="100" collection-item-width="100%" style="-webkit-transform: translate3d(-9999px, -9999px, 0px); height: 101px; width: 632px;">...</a>
            <a class="item item-thumbnail-left collection-repeat=item in list track by $index" collection-item-height="100" collection-item-width="100%" style="-webkit-transform: translate3d(-9999px, -9999px, 0px); height: 101px; width: 632px;">...</a>
            <a class="item item-thumbnail-left collection-repeat=item in list track by $index" collection-item-height="100" collection-item-width="100%" style="-webkit-transform: translate3d(0px, 2800px, 0px); height: 101px; width: 632px;">...</a>
            <a class="item item-thumbnail-left collection-repeat=item in list track by $index" collection-item-height="100" collection-item-width="100%" style="-webkit-transform: translate3d(0px, 3200px, 0px); height: 101px; width: 632px;">...</a>
            <a class="item item-thumbnail-left collection-repeat=item in list track by $index" collection-item-height="100" collection-item-width="100%" style="-webkit-transform: translate3d(0px, 3200px, 0px); height: 101px; width: 632px;">...</a>
          </div>
        </div>
      </ion-content>
    </ion-view>
  </transition>
</ng-include>

```

... ion-side-menu-content ng-include ion-tabs ion-nav-view ion-view ion-content div div **div.collection-repeat-container**

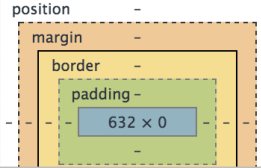
Styles | Event Listeners | DOM Breakpoints | Properties

element.style {
 -webkit-transform: translate3d(0px, 0px, 0px);
}

.collection-repeat-container {
 position: relative;
 z-index: 1;
}

html, body, div, span, applet, object, iframe, h1, h2, h3, h4, h5, h6, p, ionic.css:2257
blockquote, pre, a, abbr, acronym, address, big, cite, code, del, dfn, em, img, ins.

Find in Styles



Filter

Console Search Emulation Rendering

collection-repeat

Basic item list

```
<ion-content>
  <ion-item collection-repeat="item in items">
    {{item}}
  </ion-item>
</ion-content>
```

Grid of images

```
<ion-content>
  
</ion-content>
```

Horizontal scroller, dynamic item width

```
<ion-content>
  <h2>Available Kittens:</h2>
  <ion-scroll direction="x" class="available-scroller">
    <div class="photo" collection-repeat="photo in main.photos"
      item-height="250" item-width="photo.width + 30">
      <img ng-src="">
    </div>
  </ion-scroll>
</ion-content>
```


Ionic Grid

```
<div class="row">
  <div class="col col-50">.col.col-50</div>
  <div class="col">.col</div>
  <div class="col">.col</div>
</div>

<div class="row">
  <div class="col col-75">.col.col-75</div>
  <div class="col">.col</div>
</div>

<div class="row">
  <div class="col">.col</div>
  <div class="col col-75">.col.col-75</div>
</div>

<div class="row">
  <div class="col">.col</div>
  <div class="col">.col</div>
</div>
```

```
<div class="row">
  <div class="col col-33 col-offset-33">.col</div>
  <div class="col">.col</div>
</div>

<div class="row">
  <div class="col col-33">.col</div>
  <div class="col col-33 col-offset-33">.col</div>
</div>

<div class="row">
  <div class="col col-33 col-offset-67">.col</div>
</div>
```

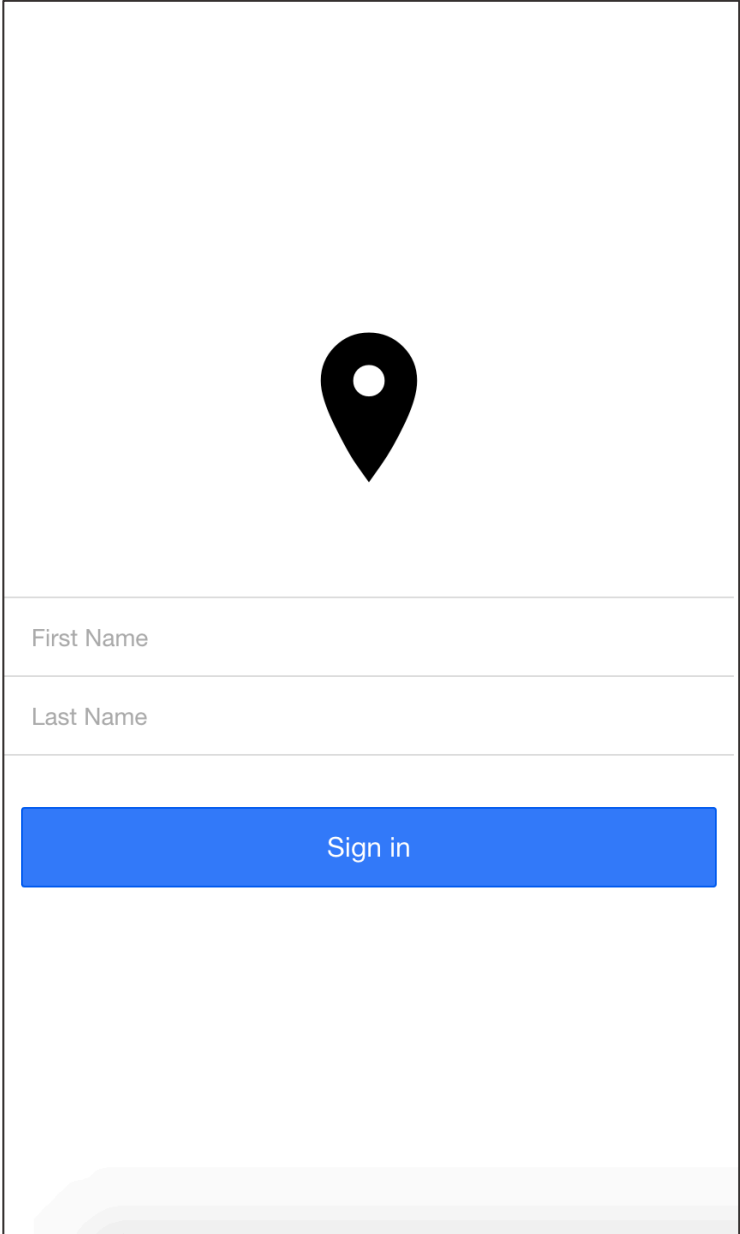
Explicit Column Sizes



Offset Columns




4) Centrer le formulaire et ajouter un icône



A mobile app login screen mockup. The screen is white with a thin black border. At the top center is a large black location pin icon. Below the icon are two text input fields, one labeled "First Name" and one labeled "Last Name". At the bottom center is a blue button with the text "Sign in".

Correction

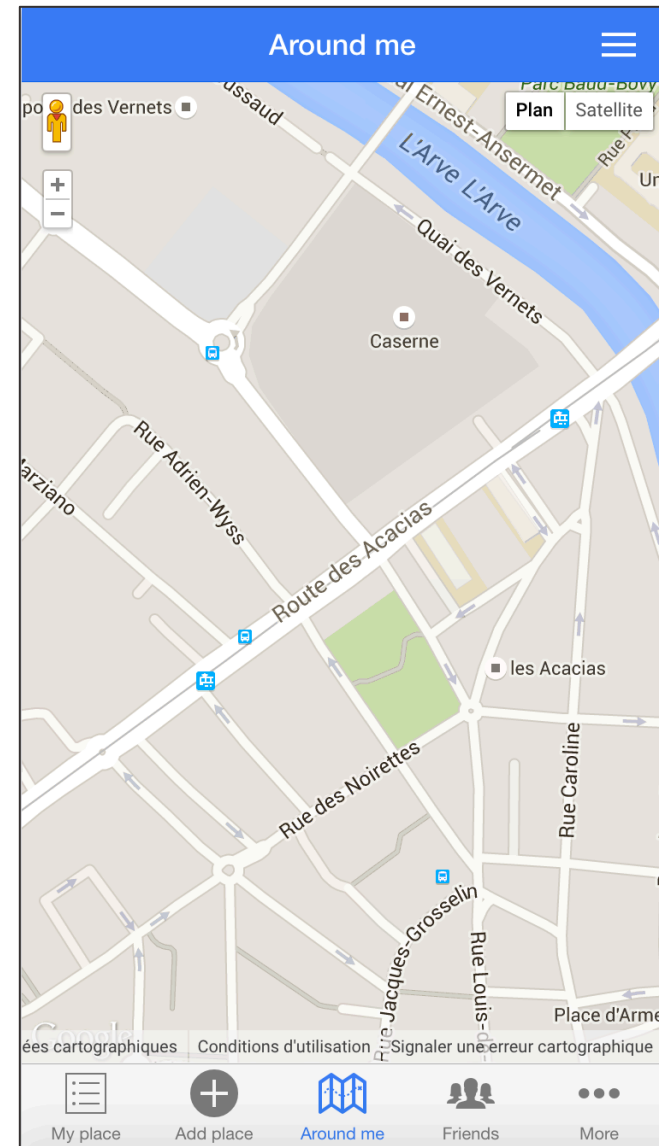
\$ git checkout valid-4



Pratique

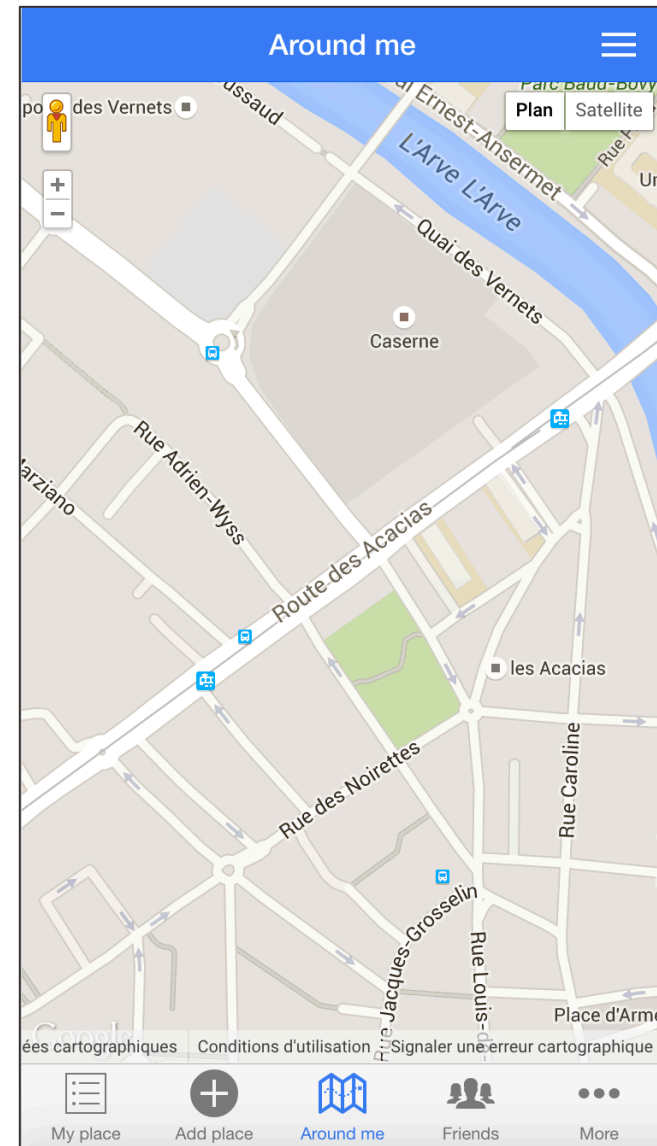
5) Ajouter google maps:

Indice: ionic start hellomaps maps



Correction

\$ git checkout valid-5



Modal

\$ionicModal

```
angular.module('testApp', ['ionic'])
.controller('MyController', function($scope, $ionicModal) {
  $ionicModal.fromTemplateUrl('my-modal.html', {
    scope: $scope,
    animation: 'slide-in-up'
  }).then(function(modal) {
    $scope.modal = modal;
  });
  $scope.openModal = function() {
    $scope.modal.show();
  };
  $scope.closeModal = function() {
    $scope.modal.hide();
  };
  //Cleanup the modal when we're done with it!
  $scope.$on('$destroy', function() {
    $scope.modal.remove();
  });
  // Execute action on hide modal
  $scope.$on('modal.hidden', function() {
    // Execute action
  });
  // Execute action on remove modal
  $scope.$on('modal.removed', function() {
    // Execute action
  });
});
```

```
<script id="my-modal.html" type="text/ng-template">
  <ion-modal-view>
    <ion-header-bar>
      <h1 class="title">My Modal title</h1>
    </ion-header-bar>
    <ion-content>
      Hello!
    </ion-content>
  </ion-modal-view>
</script>
```

3 composants

Css

List dividers

<pre><div class="list"> <div class="item item-divider"> Candy Bars </div> Butterfinger ... </div></pre>	List Dividers
	Candy Bars
	Butterfinger
	Kit Kat
	Snickers

Toggle

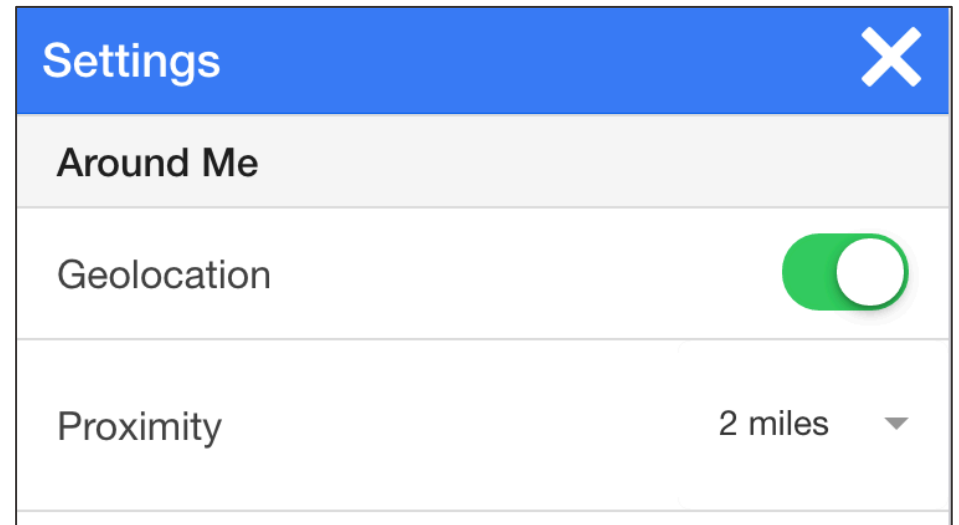
<pre><ul class="list"> <li class="item item-toggle"> HTML5 <label class="toggle toggle-assertive"> <input type="checkbox"> <div class="track"> <div class="handle"></div> </div> </label> ... </pre>	Toggle
	HTML5 
	CSS3 
	Flashplayer 
	Java Applets 

Select

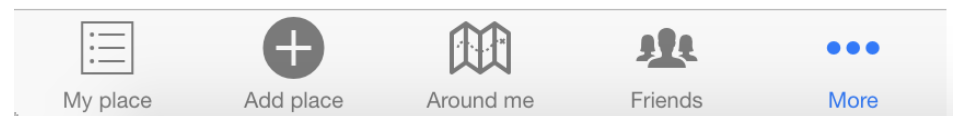
<pre><div class="list"> <label class="item item-input item-select"> <div class="input-label"> Lightsaber </div> <select> <option>Blue</option> <option selected>Green</option> <option>Red</option> </select> </label> </div></pre>	Select
	Lightsaber Green ▼
	Fighter X-wing ▼
	Droid R2-D2 ▼
	Planet Daqobah ▼

Pratique

Construire la modal suivante:

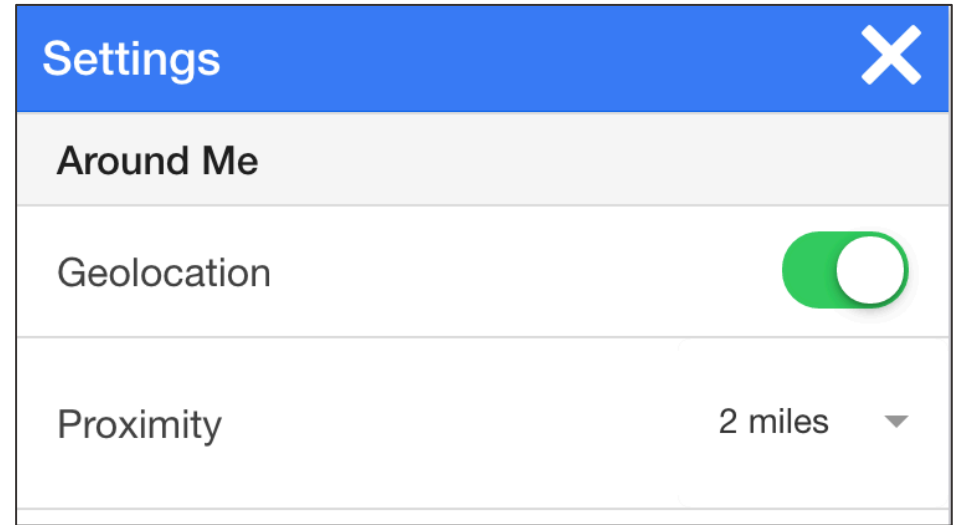


Au clique sur le bouton « More »

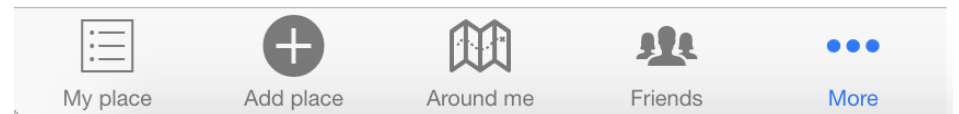


Correction

Construire la modal suivante:



Au clique sur le bouton « More »



\$ git checkout valid-5

Service utilisée pour faire des appels http

- `$http.get("api/friends.json")`

- `$http(config);`

```
var config = {  
  method: 'POST',  
  url: 'api/',  
  data: { test: 'test' },  
}
```

- **Caching**

- `cache` – {boolean|Cache} – utilisé pour faire du caching de requêtes

- **Interceptors**

- `$httpProvider.interceptors.push('myHttpInterceptor');`

- `$http` retourne une **promesse**

Les promesses

callbacks

```
function add(result,value,callback){
    $timeout(function(){
        callback(result+value)
    },500);
}

var startTime = Date.now()
add(0,1,function(result){
    add(result,1,function(result){
        add(result,1,function(result){
            $scope.result = result;
            $scope.time = Date.now() - startTime;
        });
    });
});
```

Promises

```
function add(result,value){
    return $timeout(function(){
        return result+value;
    },500);
}

var startTime = Date.now();
add(0,1).then(function(result){
    return add(result,1).then(function(result){
        return add(result,1).then(function(result){

            $scope.result = result;
            $scope.time = Date.now() - startTime;

            return result;
        });
    });
});
```

Service \$HTTP

- **Retourne une promesse**
 - `then(succesFn,erroFn)` : Méthodes appelées avec la réponse
 - `success(fn)`
 - `error(fn)`
- **Ou fn est une fonction exécutée avec:**
 - `data` – {string|Object} – la réponse
 - `status` – {number} – la code du status HTTP de la response.
 - `headers` – {function([headerName])} – fonction pour récupérer les entêtes
 - `config` – {Object} – l'objet de configuration utilisé pour générer la requête.

```
$http({config}).  
    success(function(data, status, headers, config) {  
    }).  
    error(function(data, status, headers, config) {  
    });  
};
```

Pratique

Charger le fichier 'api/friends.json' pour remplir la liste d'amis.

Friends	
A	
Alhan	
Amelie	
Baptiste	
Camille	
Charlotte	
Christophe	
Claire	
Cyril	
Dany	
Delphine	
Diego	
<div><div></div><div>+</div><div></div><div></div><div></div></div> <div>172.20.10.7:8100/#</div> <div>Around me</div> <div>Friends</div> <div>More</div>	

- **Utiliser une promesse regrouper les noms par ordre alphabétique.**