

Ionic2-Camera

Objective

- How to take a picture
- How to load a picture from library
- How to show the picture
- How to share the picture
- How to use Alert window

Using Camera in Ionic 2

- <http://ionicframework.com/docs/v2/native/camera/>
- Install Cordova plug-in
 - *ionic plugin add cordova-plugin-camera*
- Import Camera Cordova plug-in
 - *import {Camera} from 'ionic-native'*
- Declare Cordova instance (avoid Type error)
 - *declare var cordova;*
- Check if you are on cordova platform
 - *this.platform.is('cordova')*
- Take photo
 - *Camera.getPicture(options).then((imagePath)=>{}, (err)=>{});*

Camera Options

```
let options = {  
  quality: 100, // 0~100, default 50  
  destinationType: , // return type  
    Camera.DestinationType.DATA_URL: base64-encoded  
    Camera.DestinationType.FILE_URI: file path (default)  
    Camera.DestinationType.NATIVE_URI: native URI  
  sourceType: , //source of the picture  
    Camera.PictureSourceType.PHOTOLIBRARY  
    Camera.PictureSourceType.CAMERA (default)  
    Camera.PictureSourceType.SAVEDPHOTOALBUM  
  allowEdit: , //true or false (default)  
  cameraDirection: , // Camera.Direction.FRONT or Camera.Direction.BACK  
  saveToPhotoAlbum: //save to the photo album  
}; // all optional
```

How to show the Photo

- *Camera.DestinationType.DATA_URL*
 - *Camera.getPicture(options).then((imgData)=>{
 this.imgBase64 = 'data:image/jpeg;base64,'+imgData;
 }, (err)=>{});*
 - **
- *Camera.DestinationType.FILE_URI*
 - *Camera.getPicture(options).then((imgFile)=>{
 this.imgFile = imgFile;
 }, (err)=>{});*
 - **

How to Share a Photo

- <https://github.com/EddyVerbruggen/SocialSharing-PhoneGap-Plugin>
- Install SocialSharing plug-in
 - ionic plugin add cordova-plugin-x-socialsharing
- Import
 - import {SocialSharing} from 'ionic-native'
- Share
 - SocialSharing.share(<message>,<subject>, <file-path>, <link>);
 - SocialSharing.share(<message>);
 - SocialSharing.share(<message>, <subject>);
 - [SocialSharing.share\(<message>, null, <img-path>\);](#)
 - SocialSharing.share(null, null, null, <link>);

Alert

- <http://ionicframework.com/docs/v2/components/#alert-checkbox>
- Import
 - `import {AlertController} from 'ionic-angular';`
- Receive injection
 - `constructor(...,public alertCtrl: AlertController) {}`
- Create

```
let alert=this.alertCtrl.create( {
  title: ...,
  message: ...,
  buttons: [
    {
      text: ...,
      handler: () => { ... }
    }, ...
  ] });
```
- Show
 - `alert.present();`

Alert with Text Input

```
let alert=this.alertCtrl.create( {  
  title: 'Login',  
  inputs: [ { name: 'username', placeholder: 'Username'},  
            {name: 'password', placeholder: 'PassWord'} ],  
  buttons: [ { text: 'Login', handler: (data) =>  
              { ...data.username..data.password... }  
            }, { text: 'Cancel' } ]  
} );
```


Alert with BackDrop dismiss

- option
 - enableBackdropDismiss: boolean
 - dismiss the alert window by tapping backdrop
- Action for tapping backdrop
 - Add cancel role to a button

```
buttons: [  
  {  
    text: 'Cancel',  
    role: 'cancel',  
    handler: () => {  
      console.log('Cancel clicked');  
    }  
  },  
],
```