

PROGRAMACIÓN MÓVIL || COMPRENSIÓN: COMPRENSIÓN A IONIC

UA: Programación Móvil

POR: MARTÍNEZ PANTALEÓN JOSÉ DE JESÚS

Fecha: 20 de junio de 2024

Secuencia: 6 N M 6 1

Configuración inicial:

```
Administrador: Windows PowerShell

C:\Users\Invitado1\Desktop\ionic_app>ionic start
? Use the app creation wizard? No

Pick a framework!

Please select the JavaScript framework to use for your new app. To bypass this prompt next time, supply a value for the
--type option.

? Framework: Angular

Every great app needs a name!

Please enter the full name of your app. You can change this at any time. To bypass this prompt next time, supply name,
the first argument to ionic start.

? Project name: photo-gallery

Let's pick the perfect starter template!

Starter templates are ready-to-go Ionic apps that come packed with everything you need to build your app. To bypass this
prompt next time, supply template, the second argument to ionic start.

? Starter template: tabs
? Would you like to build your app with NgModules or Standalone Components?
Standalone components are a new way to build with Angular that simplifies the way you build your app.
To learn more, visit the Angular docs:
https://angular.io/guide/standalone-components

NgModules
```

```
Administrador: Windows PowerShell

Microsoft Windows [Versión 10.0.22631.3737]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Windows\System32>cd C:\Users\Invitado1\Desktop
C:\Users\Invitado1\Desktop>cd ionic_app
C:\Users\Invitado1\Desktop\ionic_app>ionic

Ionic
CLI 7.2.0

Usage:
$ ionic <command> [<args>] [--help] [--verbose] [--quiet] [--no-interactive] [--no-color] [--confirm] [options]

Global Commands:
completion ..... (experimental) Enables tab-completion for Ionic CLI commands.
config <subcommand> ..... Manage CLI and project config values (subcommands: get, set, unset)
info ..... Print project, system, and environment information
init ..... (beta) Initialize existing projects with Ionic
live-update <subcommand> ..... (paid) Ionic Live Updates functionality (subcommands: manifest)
login ..... Log in to Ionic
logout ..... Log out of Ionic
```

```
Administrador: Windows PowerShell

If this is a project you'd like to integrate with Ionic, run ionic init.

C:\Users\Invitado1\Desktop\ionic_app>ionic init
? Project name: photo-gallery
[WARN] Could not determine project type.

Please choose a project type from the list.

? Project type: @ionic/angular (angular)
[OK] Your Ionic project has been initialized!

C:\Users\Invitado1\Desktop\ionic_app>ionic capacitor add
> ionic integrations enable capacitor
> npm.cmd i --save -E @capacitor/core@latest

added 2 packages in 419ms
> npm.cmd i -D -E @capacitor/cli@latest

added 97 packages, and audited 100 packages in 1s

11 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
> npm.cmd i --save -E @capacitor/haptics @capacitor/app @capacitor/keyboard @capacitor/status-bar

added 4 packages, and audited 104 packages in 918ms

11 packages are looking for funding
```

CREACIÓN DEL PROYECTO:

```
Administrador: Windows PowerShell

√ Preparing directory .\photo-gallery in 983.10µs
√ Downloading and extracting tabs starter in 662.50ms
> ionic integrations enable capacitor --quiet -- photo-gallery io.ionic.starter
> npm.cmd i --save -E @capacitor/core@latest
npm warn deprecated inflight@1.0.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache if
you want a good and tested way to coalesce async requests by a key value, which is much more comprehensive and powerfu
l.
npm warn deprecated rimraf@3.0.2: Rimraf versions prior to v4 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated @humanwhocodes/config-array@0.11.14: Use @eslint/config-array instead
npm warn deprecated @humanwhocodes/object-schema@2.0.3: Use @eslint/object-schema instead

added 1205 packages, and audited 1206 packages in 2m

218 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
> npm.cmd i -D -E @capacitor/cli@latest

added 57 packages, and audited 1263 packages in 5s

222 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
> npm.cmd i --save -E @capacitor/haptics @capacitor/app @capacitor/keyboard @capacitor/status-bar

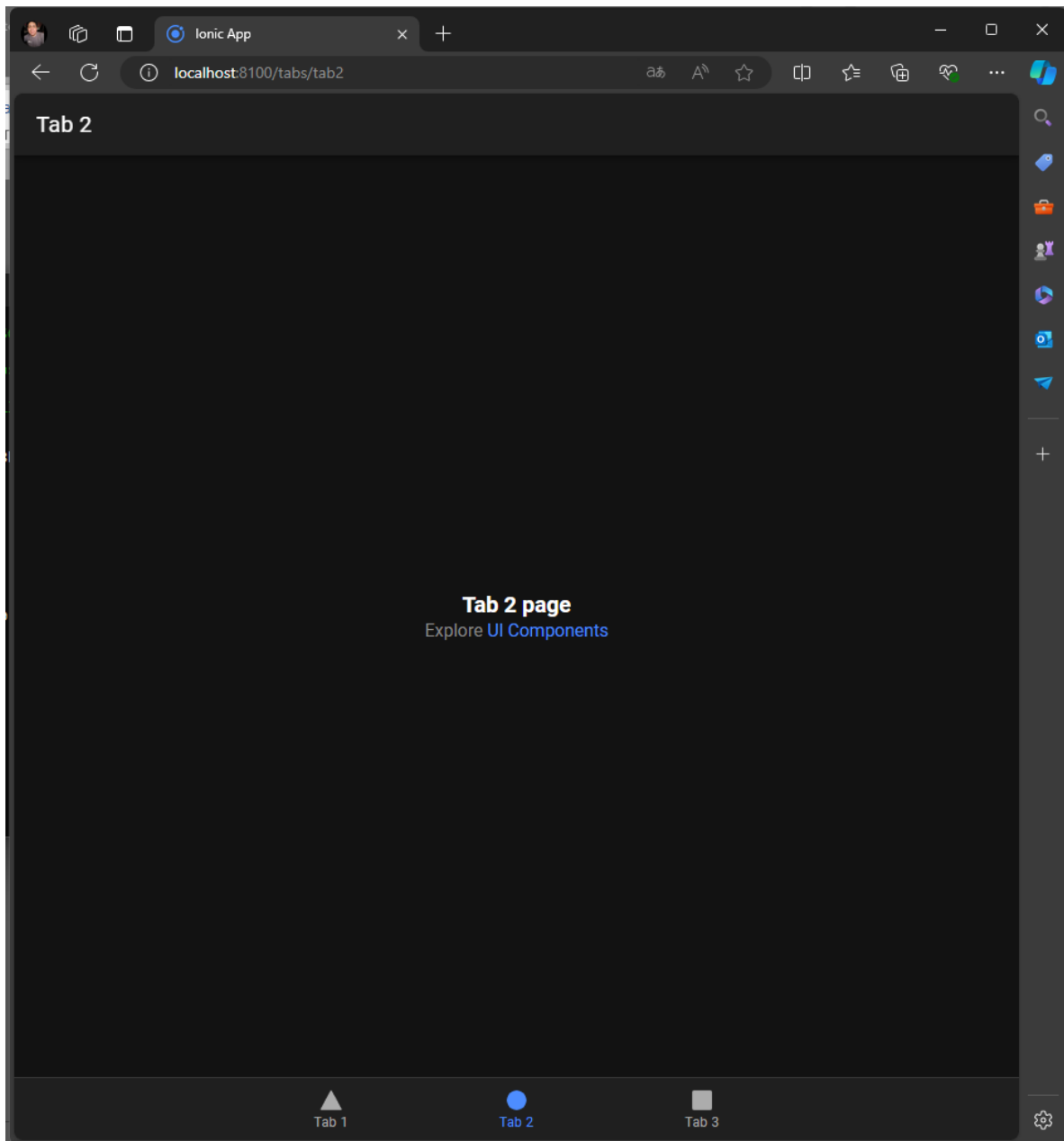
added 4 packages, and audited 1267 packages in 4s
```

PRUEBA DEL SERVIDOR:

```
Administrador: Windows PowerShell

C:\Users\Invitado1\Desktop\ionic_app\photo-gallery>ionic serve
> ng.cmd run app:serve --host=localhost --port=8100
[ng] - Generating browser application bundles (phase: setup)...
[ng] ✓ Browser application bundle generation complete.
[ng]
[ng] Initial chunk files
[ng]
[ng] | Raw size | Names |
[ng] |-----|-----|
[ng] vendor.js | 4.26 MB | vendor |
[ng] polyfills.js | 349.80 kB | polyfills |
[ng] styles.css, styles.js | 273.07 kB | styles |
[ng] main.js | 18.43 kB | main |
[ng] runtime.js | 14.45 kB | runtime |
[ng]
[ng] | Initial t |
[ng] otal | 4.91 MB |
[ng]
[ng] Lazy chunk files
[ng]
[ng] | Raw size | Names |
[ng] |-----|-----|
[ng] polyfills-core-js.js | 311.55 kB | polyfills |
[ng] -core-js | | |
[ng] node_modules_ionic_core_dist_esm_ion-datetime_3_entry.js.js | 151.71 kB | - |
[ng] node_modules_ionic_core_dist_esm_ion-app_8_entry.js.js | | - |
```





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CONFIGURACIONES DE LA CÁMARA:

```
TS main.ts  tab2.page.html  tabs.page.html X  ...
src > app > tabs > tabs.page.html > ion-tabs > ion-tab-bar > ion-tab-button > ion-label
1  <ion-tabs>
2
3  <ion-tab-bar slot="bottom">
4    <ion-tab-button tab="tab1" href="/tabs/tab1">
5      <ion-icon aria-hidden="true" name="triangle"></ion-icon>
6      <ion-label>Tab 1</ion-label>
7    </ion-tab-button>
8
9    <ion-tab-button tab="tab2" href="/tabs/tab2">
10     <ion-icon name="IMAGENES" name="ellipse"></ion-icon>
11     <ion-label>FOTOS</ion-label>
12   </ion-tab-button>
13
14   <ion-tab-button tab="tab3" href="/tabs/tab3">
15     <ion-icon aria-hidden="true" name="square"></ion-icon>
16     <ion-label>Tab 3</ion-label>
17   </ion-tab-button>
18 </ion-tab-bar>
19
20 </ion-tabs>
21
```

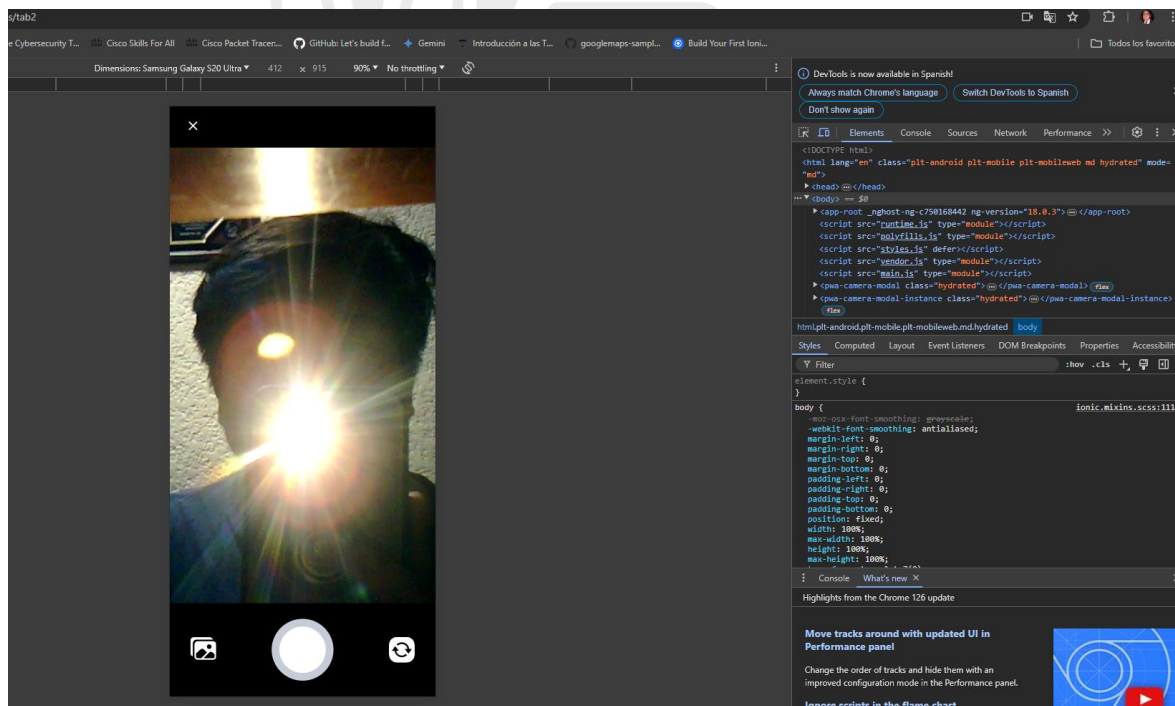
Ln 6, Col 18 Spaces: 2 UTF-8 LF {} HTML

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```
1 <ion-header [translucent]="true">
2   <ion-toolbar>
3     <ion-title>
4       GALERIA DE FOTOS
5     </ion-title>
6   </ion-toolbar>
7 </ion-header>
8
9 <ion-content [fullscreen]="true">
10  <ion-header collapse="condense">
11    <ion-toolbar>
12      <ion-title size="large">C A M A R A </ion-title>
13    </ion-toolbar>
14  </ion-header>
15
16  <app-explore-container name="Tab 2 page"></app-explore-container>
17 </ion-content>
18
19 <ion-content>
20   <ion-fab vertical="bottom" horizontal="center" slot="fixed">
21     <ion-fab-button>
22       <ion-icon name="camera"></ion-icon>
23     </ion-fab-button>
24   </ion-fab>
25 </ion-content>
26
```

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ACCESO A LA CÁMARA:



CÓDIGOS PARA LA GALERÍA:

```
TS main.ts | TS photo.service.ts X | TS tab2.module.ts | <> tab2.page.html
src > app > services > TS photo.service.ts > PhotoService > addNewToGallery
1  import { Injectable } from '@angular/core';
2  import { Camera, CameraResultType, CameraSource, Photo } from '@capacitor/camera';
3  import { Filesystem, Directory } from '@capacitor/filesystem';
4  import { Preferences } from '@capacitor/preferences';
5
6  @Injectable({
7    providedIn: 'root'
8  })
9  export class PhotoService {
10
11    constructor() { }
12    public async addNewToGallery() {
13      // Take a photo
14      const capturedPhoto = await Camera.getPhoto({
15        resultType: CameraResultType.Uri,
16        source: CameraSource.Camera,
17        quality: 100
18      });
19    }
20  }
21
22
```

```
TS main.ts | TS photo.service.ts | TS tab2.module.ts X | <> tab2.page.html | ...
src > app > tab2 > TS tab2.module.ts > Tab2PageModule
1  import { IonicModule } from '@ionic/angular';
2  import { NgModule } from '@angular/core';
3  import { CommonModule } from '@angular/common';
4  import { FormsModule } from '@angular/forms';
5  import { Tab2Page } from './tab2.page';
6  import { ExploreContainerComponentModule } from '../explore-container/explore-container.module';
7
8  import { Tab2PageRoutingModule } from './tab2-routing.module';
9
10 @NgModule({
11   imports: [
12     IonicModule,
13     CommonModule,
14     FormsModule,
15     ExploreContainerComponentModule,
16     Tab2PageRoutingModule
17   ],
18   declarations: [Tab2Page]
19 })
20 export class Tab2PageModule {}
21
```

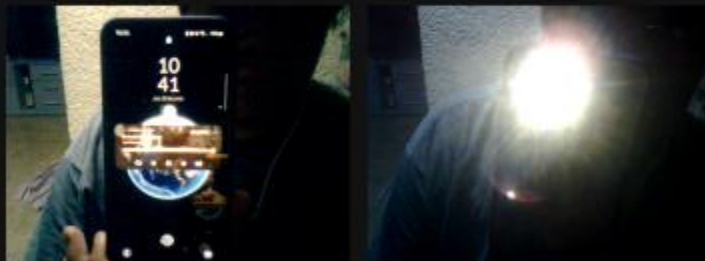
```
...  <-->  photo-gallery  [Icons] 0%  -  [Icons]  X

TS main.ts  TS photo.service.ts  TS tab2.module.ts  <tab2.page.html X

src > app > tab2 > <tab2.page.html> <ion-content>
  9  <ion-content [fullscreen]="true">
 10  <ion-header collapse="condense">
 11  | <ion-title></ion-title>
 12  | </ion-header>
 13  |
 14  | </ion-header>
 15  |
 16  | <app-explore-container name="Tab 2 page"></app-explore-container>
 17  | </ion-content>
 18  |
 19  | <ion-content>
 20  | | <ion-fab vertical="bottom" horizontal="center" slot="fixed">
 21  | | | <ion-fab-button (click)="addPhotoToGallery()">
 22  | | | | <ion-icon name="camera"></ion-icon>
 23  | | | </ion-fab-button>
 24  | | </ion-fab>
 25  | </ion-content>
```



GALERIA DE FOTOS



Tab 1

FOTOS

Tab 3