## **Geo Location with Capacitor**

Capacitor Docs: https://capacitor.ionicframework.com/docs/

Gunakan Project Files minggu sebelumnya (Google Maps) Jalankan command berikut:

## D:\belajar-ionic\ionicMaps2> ionic integrations enable capacitor

Tambahkan/ubah beberapa bagian pada map-modal.component.ts

```
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                                    map-modal.component.ts ×
   map-modal
                                      🌘 belajar-ionic > ionicMaps2 > src > app > shared > map-modal > 🐧 map-modal.o
                                             import { Component, OnInit, AfterViewInit, Renderer2, ElementRe
import { ModalController } from '@ionic/angular';
import { environment } from 'src/environments/environment';
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    map-modal.compone... U
    map-modal.compone... U
                                             import { Plugins, Capacitor } from '@capacitor/core';
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                                   map-modal.component.ts ×

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      map-modal.compone... U
                                           async presentAlert() {
                                             const alert = await
                                                                 this.alertCtrl.create({
      Map-modal.compone...
                                             header: 'Alert',
                                              subHeader: 'Failed',
  > pickers
                                               message: 'Could not get user location.',
    shared.module.ts
                                             buttons: ['OK']
    app-routing.module.ts
    app.component.html
                                             await alert.present();
    g app.component.scss
    app.component.spec.ts
   app.component.ts
                                           async getLocation() {
                                             if (!Capacitor.isPluginAvailable('Geolocation')) {
    app.module.ts
                                              this.presentAlert();
  e assets
  environments
   environment.prod.ts
                                             const coordinates = await Plugins.Geolocation.getCurrentPosition();
   environment.ts
                                             return coordinates.coords;
  theme
```

```
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                                            map-modal.component.ts >
                                             🧓 belajar-ionic > ionicMaps2 > src > app > shared > map-modal > 🥦 map-modal.component.ts > 😭 MapModalComponent > 😙 constructo
     map-modal.compone... U
                                                        ngOnInit() {}
     🚨 map-modal.compone...
                                                             this.getGoogleMaps().then((googleMaps) => {
  const mapElement = this.mapElementRef.nativeElement;
  const map = new googleMaps.Map(mapElement, {
    center: { lat: this.lat, lng: this.lng },
   pickers
    app-routing.module.ts
     app.component.html
                                                             googleMaps.event.addListenerOnce(map, 'idle', () => {
   this.renderer.addClass(mapElement, 'visible');
     app.component.scss
  app.component.spec.ts
  app.component.ts
  app.module.ts
                                                              this.getLocation().then(loc => {
                                                               const marker = new googleMaps.Marker({ position: { lat: this.lat, lng: this.lng }, map });
} else {
 i assets
environments
 environment.prod.ts
                                                                 const marker = new googleMaps.Marker({ position: { lat: loc.latitude, lng: loc.longitude }, map });
map.panTo(new googleMaps.latlng(loc.latitude, loc.longitude));
 environment.ts
global.scss
 index.html
                                                             map.addListener('click', event => {
  const selectedCoords = {
    lat: event.latLng.lat(),
    lng: event.latLng.lng(),
}
main.ts
polyfills.ts
test.ts
                                                                };
this.modalCtrl.dismiss(selectedCoords);
zone-flags.ts
.gitignore
  angular.json
browserslist
                                                             console.log(err);
   ionic.config.json
```

Coba jalankan aplikasi, awalny map akan menampilkan area sesuai lat dan lng yang di set

```
export class MapModalComp
lat = 35.6595202;
lng = 139.6989984;
@ViewChild('map', { star
Misal:
```

Tunggu sesaat, map akan menyesuaikan posisi sesuai dengan posisi device saat ini.

Untuk uji coba di browser, set allow jika ada permintaan akses lokasi.

