**BARCODE SCANNER and Qr code(both)**

**https://ionicacademy.com/ionic-qr-code-generator-reader/**

INSTALLATION:

Setup our QR Code app

|  |  |
| --- | --- |
| 1  2  3  4  5 | ionic start devdacticQRCodes blank  cd devdacticQRCodes  npm install ngx-qrcode2 --save  ionic cordova plugin add phonegap-plugin-barcodescanner  npm install --save @ionic-native/barcode-scanner |

IN APP MODULE:

import { BarcodeScanner } from '@ionic-native/barcode-scanner';

import { NgxQRCodeModule } from 'ngx-qrcode2';

….

imports: [

NgxQRCodeModule,

],

…..

providers: [

BarcodeScanner,

NgxQRCodeModule,

]

IN TS FILE:

import { BarcodeScanner } from '@ionic-native/barcode-scanner';

...

constructor(public navCtrl: NavController,private barcodeScanner: BarcodeScanner) {

}

scan(){

this.barcodeScanner.scan().then(barcodeData => {

console.log('Barcode data', barcodeData);

this.scanData=barcodeData;

}).catch(err => {

console.log('Error', err);

});

}

encode(){

this.barcodeScanner.encode(this.barcodeScanner.Encode.TEXT\_TYPE,this.encodeData.text).then((data)=>{

this.encodeData=data;

console.log(this.encodeData);

},(err)=>{

console.log(err);

})

}

// edit by amit Pandey for option

barCodePlugin(){

let options={

//preferFrontCamera : true, // iOS and Android

//showFlipCameraButton : true, // iOS and Android

//showTorchButton : true, // iOS and Android

//torchOn: true, // Android, launch with the torch switched on (if available)

//saveHistory: true, // Android, save scan history (default false)

prompt : "Place a code inside the scan area", // Android

resultDisplayDuration: 500, // Android, display scanned text for X ms. 0 suppresses it entirely, default 1500

formats : "QR\_CODE,PDF\_417", // default: all but PDF\_417 and RSS\_EXPANDED

//orientation : "landscape", // Android only (portrait|landscape), default unset so it rotates with the device

//orientation : "landscape", // Android only (portrait|landscape), default unset so it rotates with the device

disableAnimations : true, // iOS

disableSuccessBeep: false // iOS and Android

};

this.barcodeScanner.scan(options).then(barcodeData => {

console.log('Barcode data', barcodeData.text);

}).catch(err => {

console.log('Error', err);

});

}

IN HTML :

scan a qr or generate

<ion-item>

<ion-input [(ngModel)]="encodeText"></ion-input>

</ion-item>

<button ion-button (click)="scan()">scan</button>

<ion-card \*ngIf="encodeText">

<ngx-qrcode [qrc-value]="encodeText"></ngx-qrcode>

<ion-card-content>

<p>generated from{{ encodeText }}</p>

</ion-card-content>

</ion-card>

<ion-card \*ngIf="scanData">

<ngx-qrcode [qrc-value]='scanData.text'></ngx-qrcode>

<ion-card-content>

<p>{{ scanData.text}}</p>

</ion-card-content>

</ion-card>

[

{

"id": "17",

"CreatedBy": "1",

"TripType": "W",

"TripID": "TW17TV-100001India2018-08-312018-09-02",

"TripName": "Mumbai Mansoon",

"TripOverview": "",

"PlanPhoto": "72831533127910.jpg",

"TripDateRange": "2018/08/31-2018/09/02",

"TripStartDate": "2018-08-31",

"TripEndDate": "2018-09-02",

"CreatedDateTime": "2018-08-01 12:48:48",

"WikiImgUrl": "https://www.trentlo.com/public/siteAssets//images/place\_icon.png",

"frndimg": "88601531831191.jpg",

"shareFullName": "trentlo solution",

"shareUserImage": "88601531831191.jpg",

"shareComapnyName": "trentlo market",

"ManagerialStatus": "Member"

},

{

"id": "13",

"CreatedBy": "1",

"TripType": "W",

"TripID": "TW13TV-100001India2018-07-312018-08-02",

"TripName": "Yeh hai Mumbai",

"TripOverview": "",

"PlanPhoto": "",

"TripDateRange": "2018/07/31-2018/08/02",

"TripStartDate": "2018-07-31",

"TripEndDate": "2018-08-02",

"CreatedDateTime": "2018-07-26 12:35:05",

"WikiImgUrl": "https://www.trentlo.com/public/siteAssets//images/place\_icon.png",

"frndimg": "88601531831191.jpg",

"shareFullName": "trentlo solution",

"shareUserImage": "88601531831191.jpg",

"shareComapnyName": "trentlo market",

"ManagerialStatus": "Member"

},

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"id": "7",

"CreatedBy": "19",

"TripType": "A",

"TripID": "TA7TC-100010India2018-08-012018-08-05",

"TripName": "Meghalaya The Dream Trip",

"TripOverview": "",

"PlanPhoto": "",

"TripDateRange": "2018/8/1 - 2018/8/5",

"TripStartDate": "2018-08-01",

"TripEndDate": "2018-08-05",

"CreatedDateTime": "2018-07-17 12:54:35",

"WikiImgUrl": "https://www.trentlo.com/public/siteAssets//images/place\_icon.png",

"frndimg": "43721531818309.jpg",

"shareFullName": "Mrinal Paul",

"shareUserImage": "43721531818309.jpg",

"shareComapnyName": "",

"ManagerialStatus": "Member"

}

]