Online and Offline networks

<https://ionicframework.com/docs/native/network/>

1.Install the Cordova and Ionic Native plugins:

$ ionic cordova plugin add cordova-plugin-network-information  
$ npm install --save @ionic-native/network

//npm install @ionic-native/network@4.20.0

//for ionic 3

2.in app.module.ts

...

import { Network } from '@ionic-native/network';

//import { Network } from '@ionic-native/network/ngx';

…

providers: [

...

Network,

...

]

3.in mypage.ts

...

import { Network } from '@ionic-native/network';

//import { Network } from '@ionic-native/network/ngx';

….

export class HomePage {

constructor(public navCtrl: NavController, private network: Network) {

//unknown, ethernet, wifi, 2g, 3g, 4g, cellular, none

this.network.onDisconnect().subscribe(() => {

console.log('network was disconnected :-(');

});

console.log('network type :-',this.network.type);

this.network.onConnect().subscribe(() => {

console.log('network was connected :-(');

});

if (this.network.type === 'wifi') {

console.log('we got a wifi connection, woohoo!');

}

if (this.network.type === '4g') {

console.log('we got a Cell 4G connection connection, woohoo!');

}

if (this.network.type === 'none') {

console.log('we got a Cell No network connection connection, woohoo!');

}

if (this.network.type === '2g') {

console.log('we got a Cell 2G connection connection connection, woohoo!');

}

}

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*set Global online Offline\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

On app.component.ts

import { Component } from '@angular/core';

import { Platform,Events} from 'ionic-angular';

import { StatusBar } from '@ionic-native/status-bar';

import { SplashScreen } from '@ionic-native/splash-screen';

import {SplashPage} from '../pages/splash/splash';

import { HomePage } from '../pages/home/home';

import{ TabsPage } from '../pages/tabs/tabs';

import { Storage } from '@ionic/storage';

import { ManageTripPage } from '../pages/manage-trip/manage-trip';

import { RestProvider } from '../providers/rest/rest';

import { Network } from '@ionic-native/network';

@Component({

templateUrl: 'app.html'

})

export class MyApp {

email:string;

mobile\_number:string;

rootPage:any;

constructor(platform: Platform, statusBar: StatusBar,

splashScreen: SplashScreen,private storage:Storage,private network:Network,

public events:Events,public rest:RestProvider) {

platform.ready().then(() => {

// Okay, so the platform is ready and our plugins are available.

// Here you can do any higher level native things you might need.

statusBar.styleDefault();

splashScreen.hide();

// this.rootPage=SplashPage;

this.rest.initializeNetworkEvents();

this.checkOffline();

this.checkOnine();

});

}

checkOffline(){

// Offline event

this.events.subscribe('network:offline', () => {

this.rootPage=SplashPage;

this.rest.showToast("You are offline");

});

}

checkOnine(){

// Online event

this.events.subscribe('network:online', () => {

this.storage.get('email').then((val) => {

if(val!=null){

this.rootPage=TabsPage;

}

else{

this.rootPage=HomePage;

}

});

this.rest.showToast("Connection established")

});

}

}

//on restprovider\*\*\*\*\*\*\*\*\*\*

import { Network } from '@ionic-native/network';

import { NavController,Platform,Events} from 'ionic-angular';

...

export enum ConnectionStatusEnum {

Online,

Offline

}

…

@Injectable()

export class RestProvider {

...

previousStatus;

In construtor...

public network: Network,

public eventCtrl:Events,

public initializeNetworkEvents(): void {

this.network.onDisconnect().subscribe(() => {

if (this.previousStatus === ConnectionStatusEnum.Online) {

this.eventCtrl.publish('network:offline');

}

this.previousStatus = ConnectionStatusEnum.Offline;

});

this.network.onConnect().subscribe(() => {

if (this.previousStatus === ConnectionStatusEnum.Offline) {

this.eventCtrl.publish('network:online');

}

this.previousStatus = ConnectionStatusEnum.Online;

});

}

///onfflinePage and Retry Page

import { Component } from '@angular/core';

import { IonicPage, NavController,Platform,Events} from 'ionic-angular';

import {RestProvider} from '../../providers/rest/rest';

import { Storage } from '@ionic/storage';

import{ TabsPage } from '../tabs/tabs';

import{ HomePage } from '../home/home';

import { Network } from '@ionic-native/network';

/\*\*

\* Generated class for the SplashPage page.

\*

\* See https://ionicframework.com/docs/components/#navigation for more info on

\* Ionic pages and navigation.

\*/

@IonicPage()

@Component({

selector: 'page-splash',

templateUrl: 'splash.html',

})

export class SplashPage {

email:string;

mobile\_number:string;

Status:string;

constructor(public navCtrl: NavController,

private storage:Storage,

private network:Network,

public events:Events,

public rest:RestProvider) {

}

ionViewDidLoad(){

}

checkConnection(){

this.checkNetwork();

}

checkNetwork(){

this.rest.initializeNetworkEvents();

if(this.network.type != 'none'){

this.storage.get('email').then((val) => {

if(val!=null){

this.navCtrl.setRoot(TabsPage);

}

else{

this.navCtrl.setRoot(HomePage);

}

});

}else{

this.navCtrl.setRoot(SplashPage);

this.rest.showToast("No Internet Available")

}

this.checkOffline();

this.checkOnine();

}

checkOffline(){

// Offline event

this.events.subscribe('network:offline', () => {

this.navCtrl.setRoot(SplashPage);

this.rest.showToast(" You are offline");

});

}

checkOnine(){

// Online event

this.events.subscribe('network:online', () => {

this.storage.get('email').then((val) => {

if(val!=null){

this.navCtrl.setRoot(TabsPage);

}

else{

this.navCtrl.setRoot(HomePage);

}

});

this.rest.showToast("Connection established")

});

}

}