



AGENDA DE LA CLASE #2

- Aprendiendo sobre criptografía.
- ¿Cómo funcionan las billeteras digitales?
- ¿Qué es un indexador?
- Configuración del Wallet Adapter.
- Integración con Shyft API.
- Páginas en Angular.
- Secciones en Angular.



















QUIZ #1



WALLETS: INSTALACIÓN DE DEPENDENCIAS





```
import { ApplicationConfig } from '@angular/core';
import { provideRouter } from '@angular/router';
import { appRoutes } from './app.routes';
import { provideAnimationsAsync } from '@angular/platform-browser/animations/async';
import { provideWalletAdapter } from '@heavy-duty/wallet-adapter';

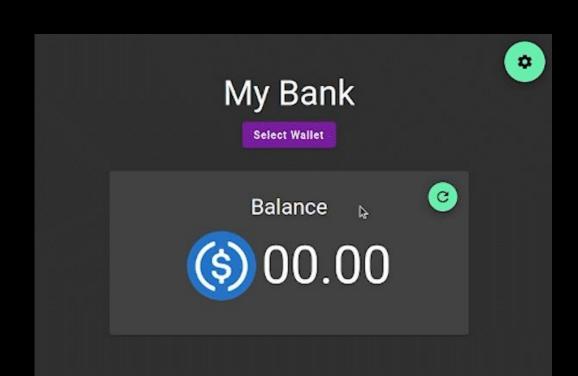
export const appConfig: ApplicationConfig = {
   providers: [
    provideRouter(appRoutes),
    provideAnimationsAsync(),
```

provideWalletAdapter()



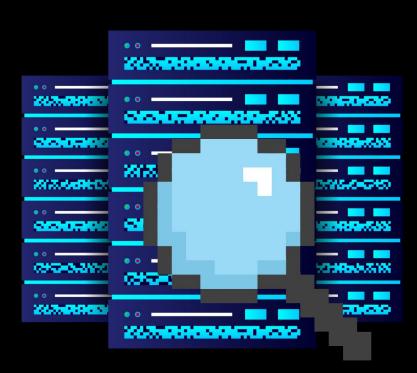
```
import { Component } from '@angular/core';
import { RouterModule } from '@angular/router';
import { HdWalletMultiButtonComponent } from '@heavy-duty/wallet-adapter-material';
@Component({
  standalone: true,
  imports: [RouterModule, HdWalletMultiButtonComponent],
  selector: 'bob-root',
  template:
    <header class="px-16 pt-24 pb-8">
      <h1 class="text-center text-5xl mb-4">My Bank</h1>
      <div class="flex justify-center">
        <hd-wallet-multi-button></hd-wallet-multi-button>
      </div>
    </header>
    <main></main>
export class AppComponent {}
```

WALLETS



QUIZ #2

INDEXERS





https://shyft.to/get-api-key



Get your Super Powers

E-mail Address		
Enter email address		
☐ I agree to the Terms	and Privacy Policy	
I'm not a robot	reCAPTCHA Privay - Terms	

Continue

I would add @Shyft_to that provides great tools and APIs to simplify @solana Web3 development especially for guys with Web2 past I vouch for them.





```
import { ApplicationConfig } from '@angular/core';
import { provideRouter } from '@angular/router';
import { appRoutes } from './app.routes';
import { provideAnimationsAsync } from '@angular/platform-browser/animations/async';
import { provideWalletAdapter } from '@heavy-duty/wallet-adapter';
import { provideHttpClient } from '@angular/common/http';
```

export const appConfig: ApplicationConfig = {

provideRouter(appRoutes),
provideAnimationsAsync(),
provideWalletAdapter(),

provideHttpClient(),

providers: [

```
import { HttpClient } from '@angular/common/http';
import { Injectable, inject } from '@angular/core';
import { map, of } from 'rxis';
@Injectable({ providedIn: 'root' })
export class ShyftApiService {
  private readonly httpClient = inject(HttpClient);
 private readonly headers = { 'x-api-key': 'S3VW7sB4rNNZUmtS' };
  private readonly mint = '7EYnhQoR9YM3N7UoaKRoA44Uy8JeaZV3qyouov87awMs';
  qetAccount(publicKey: string | null | undefined) {
    if (!publicKey) {
      return of(null);
    const url = new URL('https://api.shyft.to/sol/v1/wallet/token balance');
    url.searchParams.append('network', 'mainnet-beta');
   url.searchParams.append('wallet', publicKey);
    url.searchParams.append('token', this. mint);
    return this. httpClient
      .get<{ result: { balance: number; info: { image: string } }}</pre>
       url.toString(),
        { headers: this. headers }
```

.pipe(map(({ result }) => result));



```
</nav>
    </header>
   <main>
     <router-outlet></router-outlet>
   </main>
export class AppComponent {
 private readonly shyftApiService = inject(ShyftApiService);
 private readonly walletStore = inject(WalletStore);
 private readonly publicKey = toSignal(this. walletStore.publicKey$);
  readonly account = computedAsync(
    () => this. shyftApiService.getAccount(this. publicKey()?.toBase58()),
     requireSync: true },
```

```
@Component({
  standalone: true,
  imports: [
   RouterOutlet,
   RouterLink,
   DecimalPipe,
   MatAnchor,
   HdWalletMultiButtonComponent,
  selector: 'bob-root',
 template:
   <header class="px-16 pt-20 pb-8 relative">
     <h1 class="text-center text-5xl mb-4">My Bank</h1>
     @if (account()) {
       <div class="absolute top-4 left-4 flex items-center gap-2">
         <img [src]="account()?.info?.image" class="w-8 h-8" />
         {{ account()?.balance | number }}
         </div>
     <div class="flex justify-center mb-4">
       <hd-wallet-multi-button></hd-wallet-multi-button>
     </div>
```

INDEXER



Select Wallet

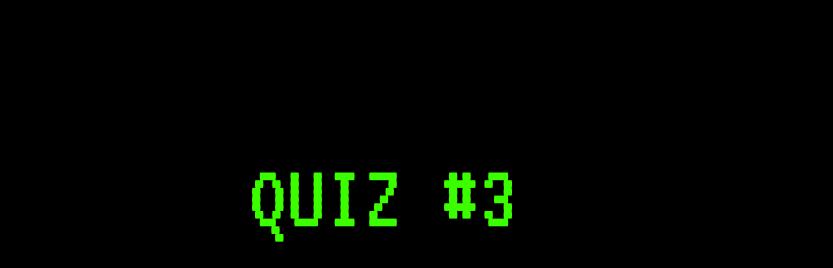
Home

Settings

lè

Home Page

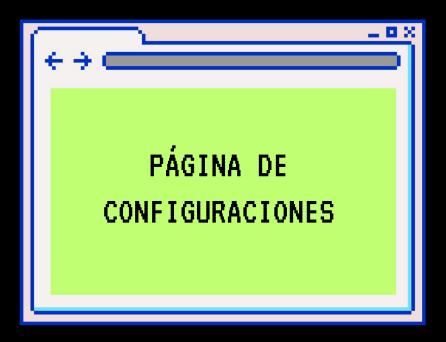
Welcome to the home page!





PÁGINAS





/<RUTA>/PERFIL

/<RUTA>/CONFIGURACIONES

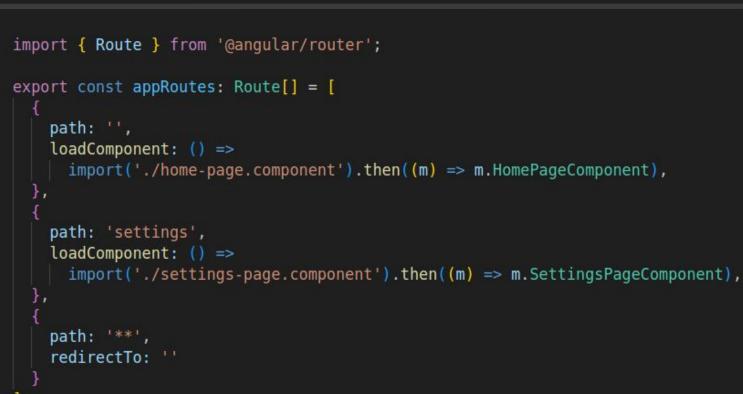
```
import { Component } from '@angular/core';
@Component({
 selector: 'bob-home-page',
 template:
   <section>
     <h2 class="text-center text-3xl">Home Page</h2>
     Welcome to the home page!
   </section>
```

standalone: true,

export class HomePageComponent {}

```
import { Component } from '@angular/core';
@Component({
  selector: 'bob-settings-page',
  template:
   <section>
     <h2 class="text-center text-3xl">Settings Page</h2>
     Welcome to the settings page!
   </section>
  standalone: true
export class SettingsPageComponent {}
```

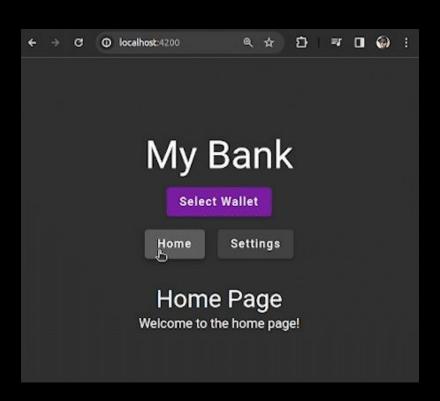




```
import { Component } from '@angular/core';
import { MatAnchor } from '@angular/material/button';
import { RouterLink, RouterOutlet } from '@angular/router';
import { HdWalletMultiButtonComponent } from '@heavy-duty/wallet-adapter-material';
@Component({
 standalone: true,
  imports: [RouterOutlet, RouterLink, MatAnchor, HdWalletMultiButtonComponent],
 selector: 'bob-root',
  template:
   <header class="px-16 pt-24 pb-8">
     <h1 class="text-center text-5xl mb-4">My Bank</h1>
     <div class="flex justify-center mb-4">
       <a [routerLink]="['']" mat-raised-button>Home</a>
           <a [routerLink]="['settings']" mat-raised-button>Settings</a>
   </header>
```

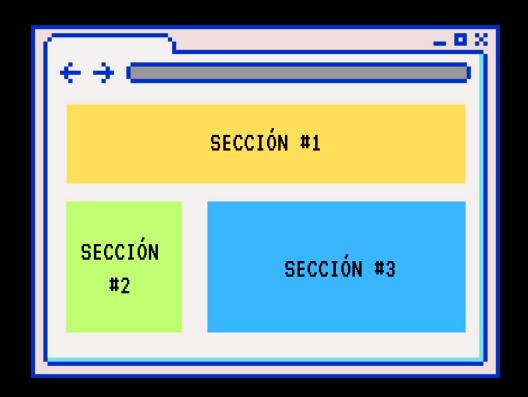
export class AppComponent {}

PÁGINAS



QUIZ #4

SECCIONES





```
import { Component } from '@angular/core';
@Component({
 selector: 'bob-hero-section',
  template:
   <section class="px-16 py-24 ■ bg-white bg-opacity-5">
     <h2 class="text-center text-3xl">Home Page</h2>
     Welcome to the home page!
   </section>
 standalone: true,
export class HeroSectionComponent {}
```



import { Component } from '@angular/core'; @Component({ selector: 'bob-features-section', template: <section class="px-16 py-24"> Rapido Seguro Eficiente </section> standalone: true,

export class FeaturesSectionComponent {}



```
import { Component } from '@angular/core';
import { HeroSectionComponent } from './hero-section.component';
import { FeaturesSectionComponent } from './features-section.component';
@Component({
  selector: 'bob-home-page',
  template:
    <bob-hero-section></bob-hero-section>
   <bob-features-section></bob-features-section>
  imports: [HeroSectionComponent, FeaturesSectionComponent],
  standalone: true,
export class HomePageComponent {}
```

SECCIONES

My Bank

Select Wallet

Home

Settings

Home Page

Welcome to the home page!

Rapido

Seguro

Eficiente

QUIZ #5



RETO #2

El propósito de este desafío es incentivar a los participantes a crear una aplicación donde muestran el saldo disponible en su billetera.

¡SUERTE!