

ا لمدرسة العليا لأساتذة التعليم التقني المحمدية

جامعة الحسن الثاني بالدار البيضاء

Département de Mathématique et Informatique II ème année

Filière:

« Ingénierie Informatique : Big Data et Cloud Computing »

II-BDCC

JEE -Angular&&Flutter:Bank-Fontend
Rapport

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ANGULAR

Angular est un Framework frontend single Page application.

Partie 1: Objectifs

- 6. Sécuriser l'application Digital Banking en utilisant Spring Security et JWT
- 7. Créer la partie Frontend Web en utilisant Angular

Partie 2: Realisation

1-Creation de navbar:

Création d'un component home



2-page home

Création d'un component home. Ensuite je crée une route « /home » qui contient la page home.



3-Page Customers

Création d'un formulaire de recherche :

Fonction appeler au submit

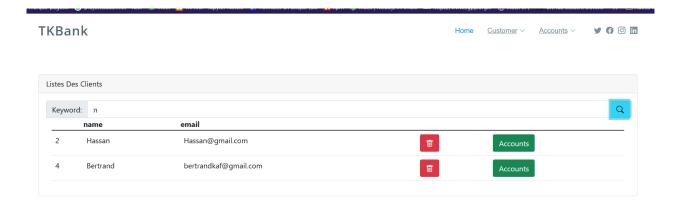
Je recupère la data keyword et j'appel la fonction se customerService.

```
handleSearchCustomers() {
    let key=this.frormGroup.value.keyword;
    this.customer$=this.customerService.searchcustomers(key).pipe(
    map( project: (data : Customer[] )=>({
        dataState:DataStateEnum.LOADED, data:data })),
        startWith( values: { dataState:DataStateEnum.LOADING}),
        catchError( selector: err=>of( value: {dataState:DataStateEnum.ERROR,errorMessage:err.message}))
        }
    }
}
```

Grace à http, je fais une requête get du backend

```
public searchcustomers(key:String):Observable<Array<Customer>>{
    return this.http.get<Customer[]>( url: environment.host+"/customers/search?keyword="+key);
}
```

Je récupère un Observable et je souscrit dans le html pour l'affichage

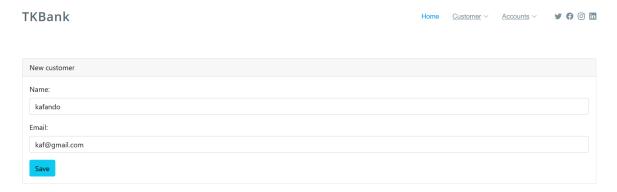


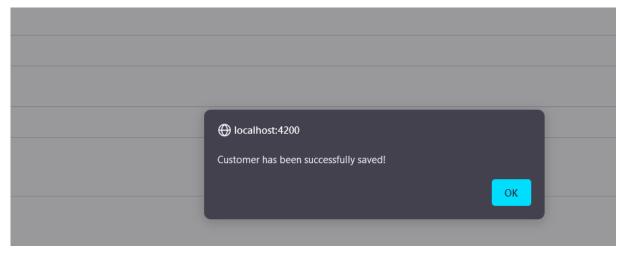
4-post Customer

Avec Reactive form je crée mon formulaire en initialisant les attributs en null dans le fichier ts du component.

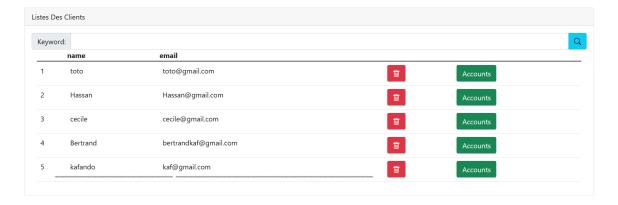
```
handleformnewcustomer() {
  let customer:Customer=this.newCustomerform.value;
  this.customerService.saveCustomer(customer).subscribe(
   observer: {
    next:data=>{
       alert("Customer has been successfully saved!")
      // this.newCustomerform.reset()
      this.router.navigateByUrl( url: "/customers")
   },
   error: err => {
      console.log(err);
   }
};
```

Quand on clique sur save, handleformcustomer est appélé et la customerService fait le post et ensuite je redirge vers la liste.





TKBank Home Customer V Accounts V Y 🗗 🧿 🛅

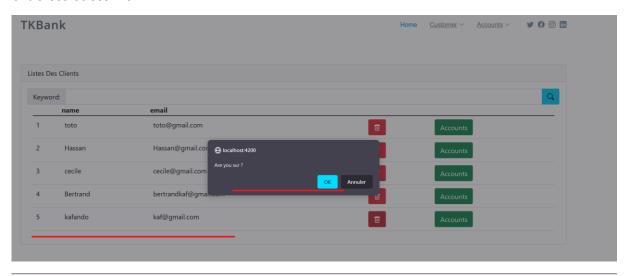


5-Validation

On définit les validators à l'initialisation du formulaire et ensuite on faite les test suivant en fonction des validateurs

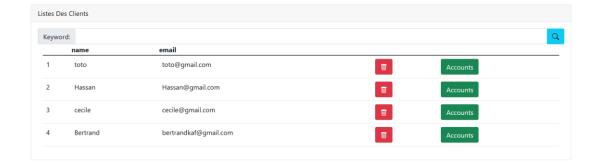


6-delete customer



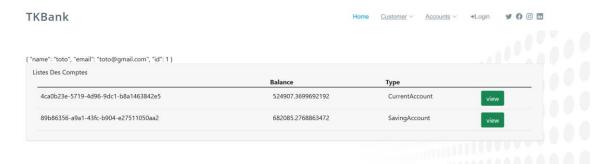
TKBank Home Customer ✓ Accounts ✓

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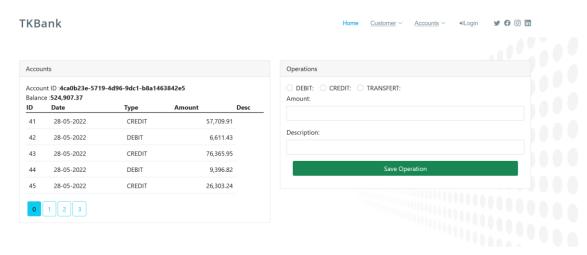


-Accounts Show

En cliquant sur Accounts d'un client on affiche la liste de ses comptes.



Si on clique si View

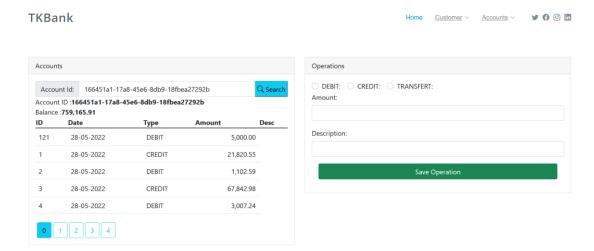


7-Accounts

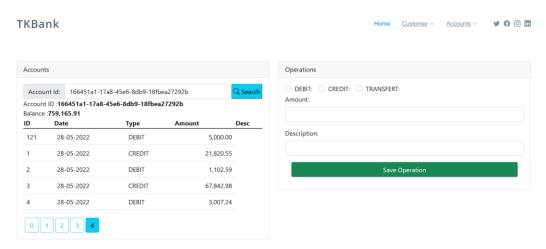
Chercher un compte avec formReactive



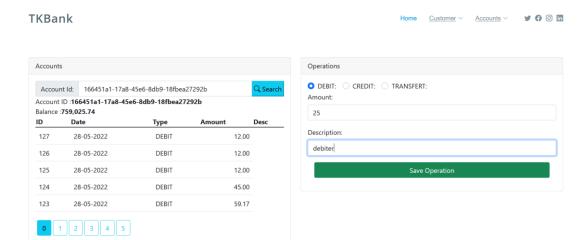
Chercher un compte-Liste des operations

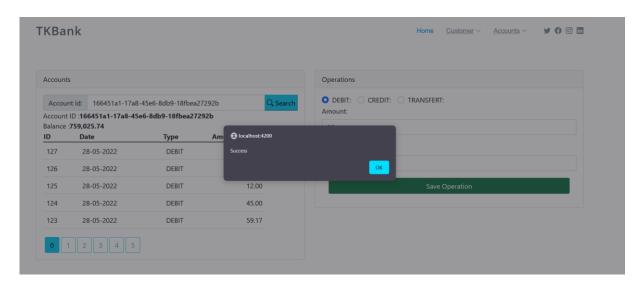


Pagination:

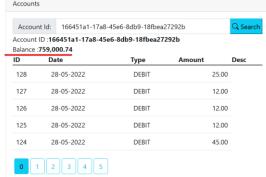


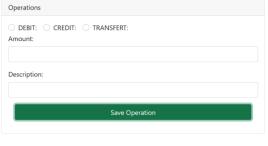
8-Faire une opération de débit





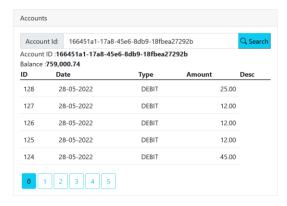


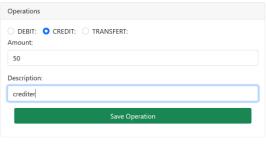


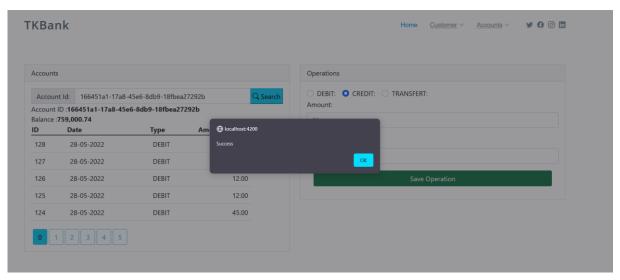


9-Faire une opération de crédit

TKBank Home Customer V Accounts V 9 0 0 11







TKBank Home Customer

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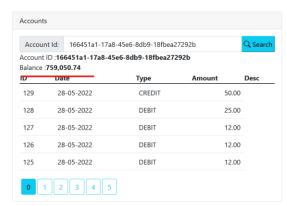
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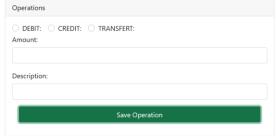
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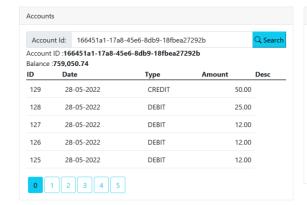
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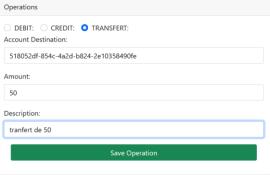


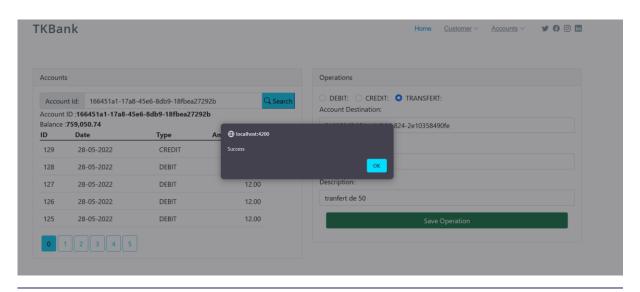


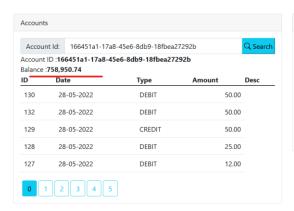
10-Faire un transfert

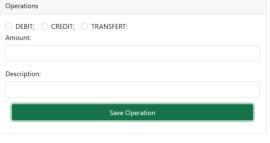
TKBank Home Customer V Accounts V 🗗 🤡 🛈



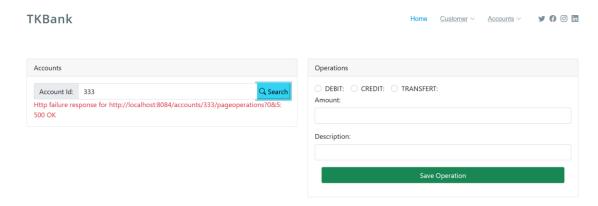




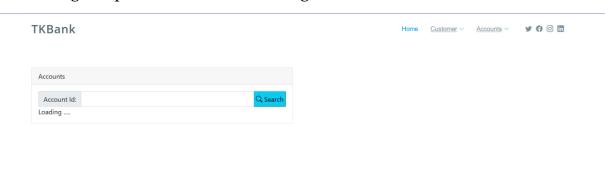




11-Error Template - erreur



12-Loading Template -en cours de telechargement

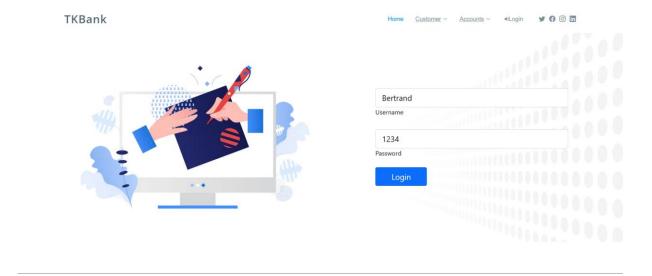


13-Authentification

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Non authentifié cas clients

Page de login il dirégé vers le login



FLUTTER

J'ai initialisé un projet flutter j'affiche la liste des customers. Pour le state management j'utilise bloc.

