

Projet 8

Plateforme Nutella

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Plan

- 1 - Première recherche
- 2 - Inscription
- 3 - Connexion
- 4 - Aliment
- 5 – remplacement
- 6 - database

Les pages HTML

- Inclus une navbar navbar.html
- Inclus un bottom bottom.html
- Relié à un fichier js
- Relié à un fichier css

1 - La première recherche

a) Simulation web

b) Les pages Html

→ *Navebarre.html*

→ *Home.html*

c) La fonction `search()` du fichier `views.py`

d) Et ses fonctions associées.

→ `controle_data_food()`

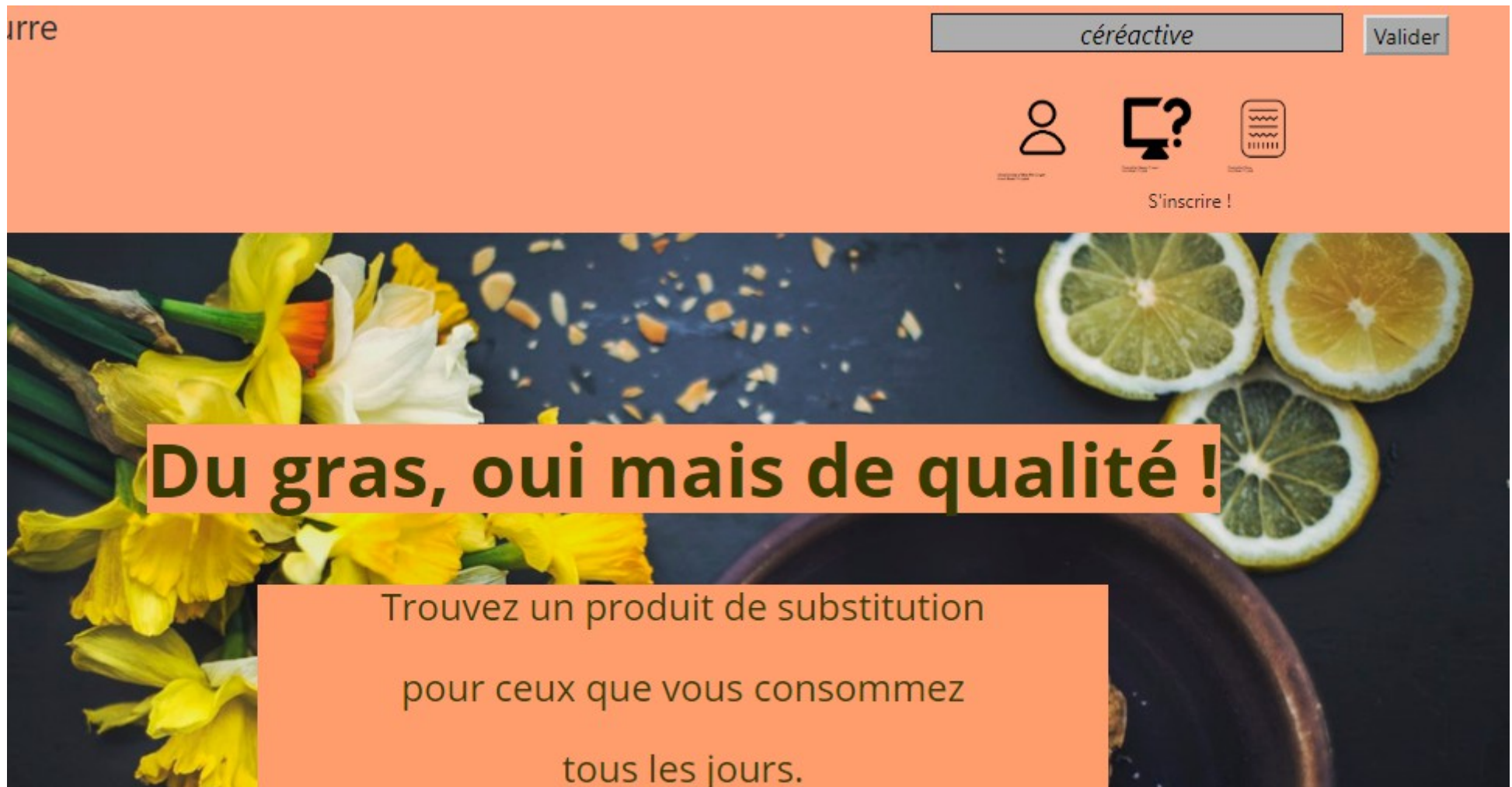
→ `better_nutri()`

→ `image_food()`

→ `title_food()`

a) la recherche - simulation web

L'utilisateur fait sa première recherche



1a) la recherche - simulation web

L'utilisateur fait sa première recherche

Connecte-toi afin de pouvoir les enregistrer et visualise les depuis "Mon compte"

Connecte-toi afin de pouvoir les enregistrer et visualise les depuis "Mon compte"



céréactive



japanese mochi "red bean" 210g



céréactive



1b) La recherche - les pages HTML

Input de la page navebarre.html et input de la page home.html

```
<form action ="/mes_aliments/recherche/" method="post">  
  <input type="hidden" name="csrfmiddlewaretoken" value="ZpPGYe4an9kbhNTmpXYQUBxfWbFxQnWq20X3SvmFrLBY"  
  <input type="hidden" name="csrfmiddlewaretoken" value="EamjY5jhJJz2DK6tRyzNuimbCmgWR39MDQ8h0gSiKiGj"  
  <input name="cool" class="input_top_haut_droit" type="text" size:"30" placeholder="Produit"/>  
  <input class="input_desous_h2" type="submit" value="Chercher"/>  
</form>
```

```
</div>  
<form action ="/mes_aliments/recherche/" method="post">  
  <input type="hidden" name="csrfmiddlewaretoken" value="ZpPGYe4an9kbhNTmpXYQUBxfWbFxQnWq20X3SvmFrLBYDz1HyQacjnVhPE8nfBY7">  
  <input type="hidden" name="csrfmiddlewaretoken" value="EamjY5jhJJz2DK6tRyzNuimbCmgWR39MDQ8h0gSiKiGjLb00ABb0443CiSMNOeH4">  
  <input name="cool" class="input_top_haut_droit" type="text" size:"30" placeholder="Produit"/>  
  <input class="input_desous_h2" type="submit" value="Chercher"/>  
</form>
```

1c) la recherche - la fonction search()

```
if request.method == "POST":  
  
    search = request.POST.get('cool')  
    username = request.POST.get('username')  
    validate = request.POST.getlist('data[]')
```


1c) la recherche - la fonction search()

```
if search:

    current_user = request.user

    if current_user.is_authenticated:
        stock = controle_data_food(current_user)

        if stock[1] == False:
            exceeded_stock = "oups vous avez trop d'aliment\|
            en stock supprime en ! ou remplace le !"

    image = image_food(search)
    title = title_food(search)

    try:

        a = better_nutri(search)

        return render(request, 'recherche.html',
            {"a":str(a[0][3]),
             "b":str(a[1][3]),
             "c":str(a[2][3]),
             "d":str(a[3][3]),
             "e":str(a[4][3]),
             "f":str(a[5][3]),

             "aa":str(a[0][0]),
             "bb":str(a[1][0]),
             "cc":str(a[2][0]),
             "dd":str(a[3][0]),
             "ee":str(a[4][0]),
             "ff":str(a[5][0]),

             "aaa":str(a[0][3]),
             "bbb":str(a[1][3]),
             "ccc":str(a[2][3]),
             "ddd":str(a[3][3]),
             "eee":str(a[4][3]),
```

1c) la recherche - la fonction search() views.py

```
        "aaaa":"/static/img/portfolio/nutriscore/" + str  
        "bbbb":"/static/img/portfolio/nutriscore/" + str  
        "cccc":"/static/img/portfolio/nutriscore/" + str  
        "dddd":"/static/img/portfolio/nutriscore/" + str  
        "eeee":"/static/img/portfolio/nutriscore/" + str  
        "ffff":"/static/img/portfolio/nutriscore/" + str  
  
        "image":str(image),  
        "titre":str(title),  
        "stock_depasse":exceeded_stock,  
    })  
  
    except:  
        message = "oups nous n'avons pas cet aliment en database"  
        return render(request, 'error.html', {"message":message})  
  
    image = '/static/img/header1.jpg'  
    return render(request, 'recherche.html', {'image':image})
```

1d) la recherche - les fonctions associées

controle_data_food()

```
def controle_data_food(username):  
    """Here we watch if user have 6 products,  
    if he has -6 we ask him to select products  
    else we warned him to modify his selection"""  
  
    c = foodAccount.objects.get(name=username)  
  
    liste = [c.name_aliment1, c.name_aliment2, c.name_aliment3,  
             c.name_aliment4, c.name_aliment5, c.name_aliment6,]  
  
    number = 0  
    for i in liste:  
        if i != "":  
            number += 1  
  
    if number >= 6:  
        return "nombre de produit supérieur a 6", False  
  
    else:  
        return "stockage du produit possible", True
```

1d) la recherche - les fonctions associées

image_food()

```
def image_food(para):  
    """Here we search food picture """  
    try:  
        try:  
            food = aliment.objects.get(name_aliment__contains='{}'.format(para))  
            food = aliment.objects.get(name_aliment=para)  
            image = food.image  
            return image  
  
        except:  
            para = para.split()  
            food = aliment.objects.get(name_aliment__contains=str(para[0]))  
            image = food.image  
            return image  
    except:  
        pass
```

1d) la recherche - les fonctions associées

title_food()

```
def title_food(para):  
    """Here we search title picture """  
  
    try:  
        try:  
            food = aliment.objects.get(name_aliment=para)  
            title = food.name_aliment  
            return title  
  
        except:  
            para = para.split()  
            food = aliment.objects.get(name_aliment__contains=str(para[0]))  
            title = food.name_aliment  
            return title  
    except:  
        pass
```

1d) la recherche - les fonctions associées

better_nutri()

```
def better_nutri(para):  
    """Here we search best nutriscore from category  
    from food search"""  
  
    food = aliment.objects.get(name_aliment=para)  
    food_search = [food.name_aliment, food.id_categorie_id,  
                   food.nutriscore, food.image, food.id]  
  
    category = aliment.objects.filter(id_categorie_id=food.id_categorie_id).order  
        ('nutriscore')  
  
    liste = []  
  
    count = 0  
    for i in category:  
        if count == 20:  
            break  
        else:  
            a = []  
            a = [i.name_aliment, i.id_categorie_id,  
                 i.nutriscore, i.image]  
            liste.append(a)  
  
        count += 1  
  
    liste = liste[:6]  
    liste[0] = food_search  
  
    return liste
```

2 – L'inscription

a) Simulation web

b) Les formulaires

→ *forms.py*

c) Les modèles

→ *models.py*

d) La fonction `register_views()` du fichier `views.py`

2a) l'inscription - simulation web

l'utilisateur s'inscrit

Ton pseudo :

Ton email :

Confirme le :

Et ton password

2b) L'inscription - les formulaires

Forms.py

```
class UserRegisterForm(forms.ModelForm):
    """This is form for register"""

    username = forms.CharField()
    email = forms.EmailField()
    email2 = forms.EmailField()

    password = forms.CharField(widget=forms.PasswordInput)

class Meta:
    """We call username email and password from meta class"""

    model = User
    fields = [
        'username',
        'email',
        'email2',
        'password',
    ]

def clean(self, *args, **kwargs):
    """We cleaning it"""

    email = self.cleaned_data.get('email')
    email2 = self.cleaned_data.get('email2')
    if email != email2:
        raise forms.ValidationError("pas les meme email")

    email_qs = User.objects.filter(email=email)
    if email_qs.exists():
        raise forms.ValidationError(
            "email existe deja")

    return super(UserRegisterForm, self).clean(*args, **kwargs)
```

2c) L'inscription - les modèles

models.py

```
from django.db import models
#importation of basic model

class foodAccount(models.Model):
    """foodAccount model"""

    name = models.CharField(max_length=50)
    name_aliment1 = models.CharField(max_length=100, null=False)
    name_aliment2 = models.CharField(max_length=100, null=False)
    name_aliment3 = models.CharField(max_length=100, null=False)
    name_aliment4 = models.CharField(max_length=100, null=False)
    name_aliment5 = models.CharField(max_length=100, null=False)
    name_aliment6 = models.CharField(max_length=100, null=False)
```

2d) L'inscription - register_views() views.py

```
def register_view(request):
    """Here we define the register view"""

    next = request.GET.get('next')
    form = UserRegisterForm(request.POST or None)

    if form.is_valid():

        user = form.save(commit=False)
        password = form.cleaned_data.get('password')
        user.set_password(password)
        user.save()

        data_food = foodAccount(name = user.username)
        data_food.save()

        create_database_user(user.username)
        insert_database_user(user.username)
        create_data_score_user(user.username)
        insert_data_score_user(user.username)

        new_user = authenticate(username=user.username, password=password)

        login(request, new_user)

        if next:
            return redirect(next)
        return redirect('/')

    context = {
        'form': form
    }

    return render(request, 'signup.html', context)
```

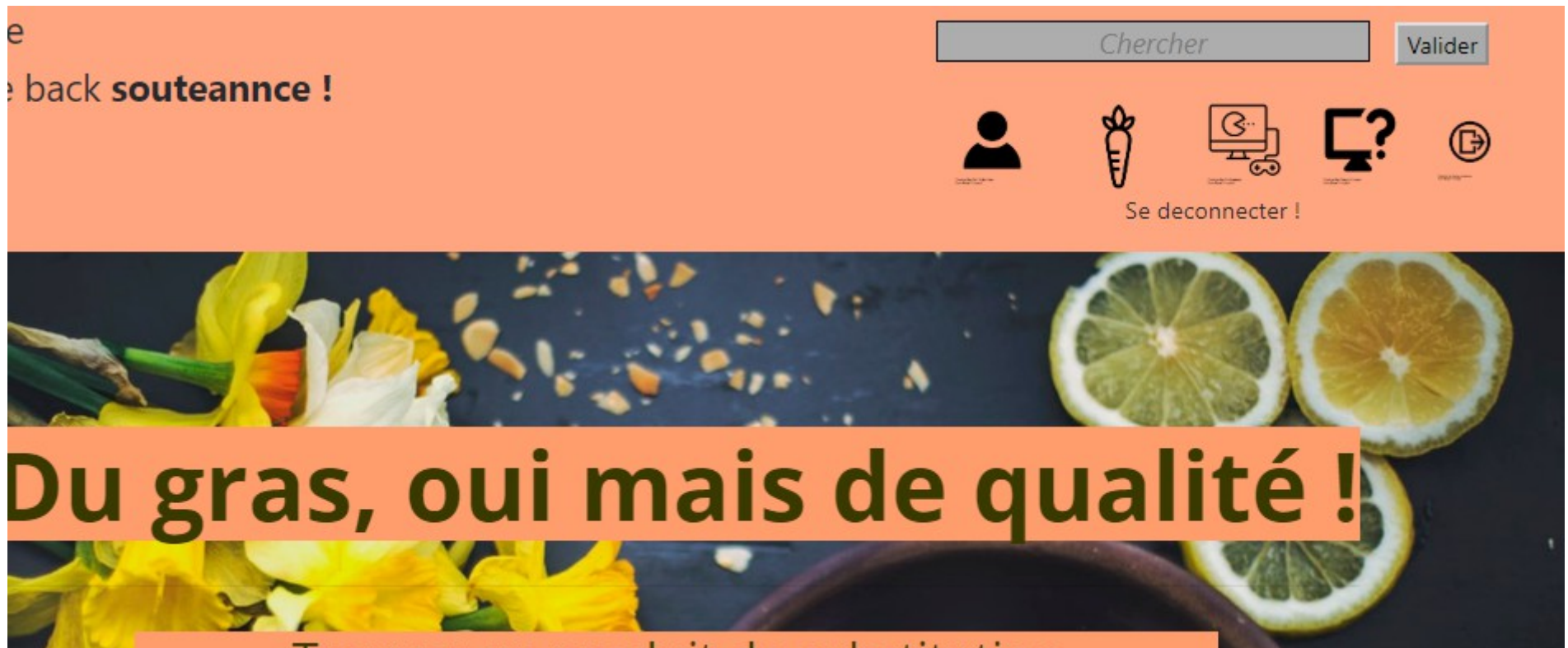
3 – La déconnexion

a) simulation web

b) la fonction `logout_views()` du fichier `views.py`

3a) Déconnexion – simulation web

l'utilisateur se déconnecte



3b) déconnexion - la fonction logout_views() views.py

```
login_required
def logout_view(request):
    """Here we define logout session"""

    logout(request)
    print("déconnexion")
    return redirect('/')
```

4 – La connexion

a) Simulation web

b) les formulaires

→ *forms.py*

c) la fonction `login_view()`

→ *views.py*

4a) connexion – simulation web

L'utilisateur se connecte

nom utilisateur : souteannce

mot de passe : ..

Valider

4b) connexion – les formulaires

forms.py

```
class UserLoginForm(forms.Form):
    """this is form for login and run session"""

    username = forms.CharField()
    password = forms.CharField(widget=forms.PasswordInput)

    def clean(self, *args, **kwargs):
        """cleanning entrance"""

        username = self.cleaned_data.get('username')
        password = self.cleaned_data.get('password')

        if username and password:
            user = authenticate(username=username, password=password)
            if not user:
                raise forms.ValidationError('logins erronés')

            if not user.check_password(password):
                forms.ValidationError('password erronés')

        return super(UserLoginForm, self).clean(*args, **kwargs)
```

4c) connexion – la fonction login_views() views.py

```
def login_view(request):  
    """Here we define the login view"""  
  
    next = request.GET.get('next')  
    form = UserLoginForm(request.POST or None)  
    if form.is_valid():  
        username = form.cleaned_data.get('username')  
        password = form.cleaned_data.get('password')  
        user = authenticate(username=username, password=password)  
        login(request, user)  
        if next:  
            return redirect(next)  
        return redirect('/')  
  
    context = {  
        'form': form  
    }  
  
    return render(request, 'login.html', context)
```

L'utilisateur veut voir ses aliments pour la première fois

Veuillez remplir votre selection d'aliment de 6 produit svp =)



5 - La deuxième recherche

a) simulation web

b) les pages html

→ recherche.html

c) javascript

→ recherche.js

d) simulation web

e) javascript

→ recherche.js

f) la fonction search()

g) les fonctions associées

→ *controle_data_food()*

→ verification_not_two()

→ insert_food()

5a) La recherche - simulation web

L'utilisateur fait sa deuxième recherche



ferrero collection

☐ Sauvegarder



2 fars bretons au lait fermier pruneaux

☐ Sauvegarder



sablés aux graines de chia

☐ Sauvegarder



5b) La recherche - Page.html

Recherche.html

```
</div>
<div id="nomAliment2">
    {{bb}}
</div>
<br>
{% if user.is_authenticated %}
<input type="checkbox" style="width: 20px; height: 20px;"
id="product2" onclick='pushlist("product2", "user", "stock", "is_save2")' name="is_save2" value="{{bb}}" /> Sauvegarder
<div id="is_save2"></div>
{% endif %}
```


5c) la recherche – Javascript

recherche.js

```
$("#product1,#product2,#product3,#product4,#product5,#product6").on("click", function(e){
    e.preventDefault();

    $.ajax({
        data:{
            'data[]':LISTE[LISTE.length - 1],
            'username':USER[USER.length - 1],

        },
        type:"POST",
        url:"/mes_aliments/recherche/"
    })
    .done(function(data){
        if (data.error){
            $("#monCadreAlert").text(data.error);
            $("#is_save");

        }
        else{
            $("#is_save").html(data.data);
            $("#monCadreAlert");

        }

    });

});

});
```

5d) la recherche – simulation web l'utilisateur sauvegarde des aliments



ferrero collection



2 fars bretons au lait fermier pruneaux



sablés aux graines de chia

☐ Sauvegarder

☐ Sauvegarder

☐ Sauvegarder

☒ Enregistrement effectuee



5e) la recherche – Javascript

recherche.js

```
function pushlist(id_product, user, stock, is_save){

    var a = document.getElementById(id_product).value;
    var b = document.getElementById(id_product).name;
    var c = document.getElementById(user).innerHTML;
    USER.push(c)
    LISTE.push(a)
    LISTE_NAME.push(b)

    d = document.getElementById(stock).innerHTML;
    console.log(d)

    if (d == "<center><strong>oups vous avez trop d'aliment en stock supprime en ! ou remplace le !</strong></center>"){
        console.log("trop d'aliment pour ce compte")
        document.getElementById(is_save).innerHTML = "";
        document.getElementById(is_save).innerHTML = ''
        + ' <i>Vous avez trop d'aliment</i>';
    }
    else{
        document.getElementById(is_save).innerHTML = "";
        document.getElementById(is_save).innerHTML = ''
        + ' <i>Enregistrement effectuee</i>';
    }

};

};
```

5f) la recherche – la fonction search() views.py

```
if request.method == "POST":

    search = request.POST.get('cool')
    username = request.POST.get('username')
    validate = request.POST.getlist('data[]')

    try:
        stock = controle_data_food(current_user)
    except:
        pass

    if validate and username:

        current_user = request.user
        stock = controle_data_food(username)

        if stock[1] == True:
            veri = verification_product_not_two(current_user,
                                                  validate[0])

            if veri == True:
                insert_food(username, validate[0])

        elif stock[1] == False:
            exceeded_stock = "oups vous avez trop d'aliment en stock supprim"

    if search:

        current_user = request.user

        if current_user.is_authenticated:
            stock = controle_data_food(current_user)

            if stock[1] == False:
                exceeded_stock = "oups vous avez trop d'aliment en stock sup

    image = image_food(search)
    title = title_food(search)
```

5g) la recherche – les fonctions associées

controle_data_food()

```
def controle_data_food(username):  
    """Here we watch if user have 6 products,  
    if he has -6 we ask him to select products  
    else we warned him to modify his selection"""  
  
    c = foodAccount.objects.get(name=username)  
  
    liste = [c.name_aliment1, c.name_aliment2, c.name_aliment3,  
             c.name_aliment4, c.name_aliment5, c.name_aliment6,]  
  
    number = 0  
    for i in liste:  
        if i != "":  
            number += 1  
  
    if number >= 6:  
        return "nombre de produit supérieur a 6", False  
  
    else:  
        return "stockage du produit possible", True
```

5g) la recherche – les fonctions associées

verification_product_not_two()

```
def verification_product_not_two(username, product):  
    """here we check that the food is not already present"""  
  
    c = foodAccount.objects.get(name=username)  
    if c.name_aliment1 == product or c.name_aliment2 == product or\  
        c.name_aliment3 == product or c.name_aliment4 == product or\  
        c.name_aliment5 == product or c.name_aliment1 == product:  
        return False  
    else:  
        return True
```

5g) la recherche – les fonctions associées

insert_food()

```
def insert_food(username, food_name):  
    """He we insert food"""  
  
    c = foodAccount.objects.get(name=username)  
  
    if c.name_aliment1 == "":  
        c.name_aliment1 = food_name  
        c.save()  
  
    elif c.name_aliment2 == "":  
        c.name_aliment2 = food_name  
        c.save()  
  
    elif c.name_aliment3 == "":  
        c.name_aliment3 = food_name  
        c.save()  
  
    elif c.name_aliment4 == "":  
        c.name_aliment4 = food_name  
        c.save()  
  
    elif c.name_aliment5 == "":  
        c.name_aliment5 = food_name  
        c.save()  
  
    elif c.name_aliment6 == "":  
        c.name_aliment6 = food_name  
        c.save()  
  
    else:  
        print("to much food")
```

Voir ses aliments sans en avoir sauvegarder 6

- Simulation web

L'utilisateur cherche un aliment avec 6 aliments en stock

oups vous avez trop d'aliment en stock supprime en ! ou remplace le !

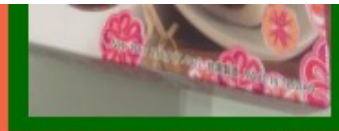


L'utilisateur cherche un aliment avec 6 aliments en stock



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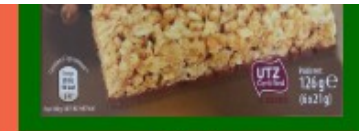
☐ Sauvegarder



japanese mochi "red bean" 210g

☐ Sauvegarder

☒ Vous avez trop d'aliment



céréactive

☐ Sauvegarder



chocolat noir excellence 99% de cacao

☐ Sauvegarder



biscuits p'tit déj bio

☐ Sauvegarder



madeleines longues aux œufs

☐ Sauvegarder

6 - Mes aliments

a) simulation web

b) la fonction `my_food`

→ *views.py*

c) les fonctions associées

→ *my_food_user()*

→ *display_food()*

6a) mes aliments – simulation web

l'utilisateur veut voir ses aliments



6a) mes aliments – simulation web l'utilisateur veut voir ses aliments



ferrero collection



2 fars bretons au lait fermier pruneaux



sablés aux graines de chia



sylvain spéculoos -generou



biscuits ptit dej bio



fauchon



6b) mes aliments – la fonction my_food() views.py

```
def my_food(request):
    """Here we acced to user product"""

    current_user = request.user

    try:
        food = my_food_user(request.user.username)
        a = display_food(food)

        return render(request, 'mes_aliments.html', {"a":str(a[0][4]),
                                                    "b":str(a[1][4]),
                                                    "c":str(a[2][4]),
                                                    "d":str(a[3][4]),
                                                    "e":str(a[4][4]),
                                                    "f":str(a[5][4]),

                                                    "aa":str(a[0][0]),
                                                    "bb":str(a[1][0]),
                                                    "cc":str(a[2][0]),
                                                    "dd":str(a[3][0]),
                                                    "ee":str(a[4][0]),
                                                    "ff":str(a[5][0]),

                                                    "aaaa":"/static/img/portfolio/nutriscore/" + str(a[0][3])
                                                    "bbbb":"/static/img/portfolio/nutriscore/" + str(a[1][3])
                                                    "cccc":"/static/img/portfolio/nutriscore/" + str(a[2][3])
                                                    "dddd":"/static/img/portfolio/nutriscore/" + str(a[3][3])
                                                    "eeee":"/static/img/portfolio/nutriscore/" + str(a[4][3])
                                                    "ffff":"/static/img/portfolio/nutriscore/" + str(a[5][3])

                                                    "aaaaa":str(a[0][0]),
                                                    "bbbbb":str(a[1][0]),
                                                    "ccccc":str(a[2][0]),
                                                    "ddddd":str(a[3][0]),
                                                    "eeeee":str(a[4][0]),
                                                    "ffffff":str(a[5][0]),
                                                    })

    except:
        message = "Veuillez remplir votre selection d'aliment de 6 produit svp ="
        return render(request, 'error.html', {"message":message})
```

6c) mes aliments – les fonctions associées

my_food_user()

```
def my_food_user(username):  
    """Here we take user food"""  
  
    liste = []  
    c = foodAccount.objects.get(name=username)  
    food = [c.name_aliment1, c.name_aliment2, c.name_aliment3,  
            c.name_aliment4, c.name_aliment5, c.name_aliment6]  
  
    for i in food:  
        liste.append(i)  
  
    return food
```

6c) mes aliments – les fonctions associées

display_food()

```
def display_food(food_list):  
    """Here we take informations food for template"""  
  
    liste_ali = []  
    try:  
        for i in food_list:  
            z = aliment.objects.get(name_aliment=i)  
            liste = []  
            liste = [z.name_aliment, z.code_product_food,  
                    z.description, z.nutriscore,  
                    z.image, z.name_store, z.name_brand]  
  
            liste_ali.append(liste)  
  
        return liste_ali  
    except:  
        pass
```

7 - La description d'un produit

a) simulation web

b) Javascript

→ *choice()*

c) nanrien()

d) fonction food_details

→ *views.py*

e) fonction associées

→ *food_details*

7a) la description – simulation web

L'utilisateur veut voir la description d'un produit



ferrero collection



2 fars bretons au lait fermier pruneaux



sablés aux graines de chia



sylvain spéculoos -generou



biscuits ptit dej bio



fauchon



7a) la description – simulation web

L'utilisateur veut voir la description d'un produit



ferrero collection



Details aliment

Remplacer cette aliment

Enfete non rien

2 fars bretons au lait fermier pruneaux



sablés aux graines de chi



7b) la description – Javascript choice()

```
function choice(im, image, detail, remplacement, nan, gabarit){  
    var a = "<center></center>"  
    document.getElementById(im).style.display = "none";  
    document.getElementById(image).innerHTML = a  
    document.getElementById(detail).innerHTML = "<center><input type='submit'" +  
        "style='color:black;' value='Détails aliment' />" +  
        "</center><br>";  
    document.getElementById(remplacement).innerHTML = "<center><input type='submit' style='color:black;" +  
        "'value='Remplacer cette aliment' /></center><br>";  
  
    var a = "nanrien(" + "'" + im + "'" + "," + image + "','" + detail + "','" + remplacement + "','" + nan + "'" + ")" + ""  
  
    document.getElementById(nan).innerHTML = "<center><input type='button' onclick=" + "'" + a +  
        "style='color:black;' value='Enfete non rien' /></center>";  
  
};
```

Simulation nanrien()



ferrero collection

E



2 fars bretons au lait fermier pruneaux

C



sablés aux graines de chia

C



sylvain spéculoos -generou

D



biscuits ptit dej bio

D



fauchon

D

7b) la description – Javascript choice()

```
function nanrien(im, image, detail, remplacement, nan){  
  
    document.getElementById(im).style.display = "block";  
    document.getElementById(image).innerHTML = "";  
    document.getElementById(detail).innerHTML = "";  
    document.getElementById(remplacement).innerHTML = "";  
    document.getElementById(nan).innerHTML = "";  
    CHOISEN = []  
  
};
```

L'utilisateur veut voir la description d'un produit



7c) la description – food_details() views.py

```
def food_det(request):  
    """This is function for food details"""  
  
    if request.method == "POST":  
  
        search = request.POST.get('produit')  
        details = food_details(search)  
        url_nutri = details.nutriscore  
        food = details.name_aliment  
        code = details.code_product_food  
        image = details.image  
        url_nutri = "/static/img/portfolio/nutriscore/" + str(url_nutri) + ".jpg >"  
  
        return render(request, 'aliment_det.html',{'detail':details,  
                                                    'url_nutri':url_nutri,  
                                                    'code':code,  
                                                    'image':image,  
                                                    'food': food  
                                                    })  
  
    return render(request, 'aliment_det.html')
```

7d) la description – fonctions associées

food_details()

```
def food_details(value):  
    """Here we calling informations about product. Thank to that we  
    can redirect to Openfactfood"""  
  
    details = aliment.objects.get(image='{}'.format(value))  
  
    return details
```

8 – remplacer un produit

a) simulation web

b) la fonction replacing

→ *views.py*

c) les fonctions associées

→ `verification_replacement()`

→ *data_replace()*

8a) remplacement – simulation web

L'utilisateur veut remplacer un produit



ferrero collection



2 fars bretons au lait fermier pruneaux



sablés aux graines de chi



8b) remplacement – la fonction replacing views.py

```
def replacing(request):
    """This is functionality for replace food from my food"""

    message = ''

    if request.method == "POST":
        replace_it = request.POST.getlist('remplace_food')
        if replace_it:
            current_user = request.user

            liste = [[], []]
            element = []
            c=0
            for i in replace_it:
                for j in i:
                    if j == ",":
                        c+=1
                    else:
                        liste[c].append(j)
                c+=1
            for i in liste:
                i = "".join(i)
                element.append(i)

            b = verification_replacement(current_user, "".join(liste[-1]))

            if b == True:
                data_replace(request, current_user,
                             element[0], element[1])
            elif b == False:
                message = 'vous avez deja cet aliment'
```

8b) remplacement – la fonction replacing

[illegible]

8b) remplacement – la fonction replacing views.py

```
current_user = request.user
try:
    food = my_food_user(request.user.username)
    a = display_food(food)

    return render(request, 'mes_aliments.html', {"a":str(a[0][4]),
                                                "b":str(a[1][4]),
                                                "c":str(a[2][4]),
                                                "d":str(a[3][4]),
                                                "e":str(a[4][4]),
                                                "f":str(a[5][4]),

                                                "aa":str(a[0][0]),
                                                "bb":str(a[1][0]),
                                                "cc":str(a[2][0]),
                                                "dd":str(a[3][0]),
                                                "ee":str(a[4][0]),
                                                "ff":str(a[5][0]),

                                                "aaaa":"/static/img/portfolio/nutriscore/" + str(a[0][
                                                "bbbb":"/static/img/portfolio/nutriscore/" + str(a[1][
                                                "cccc":"/static/img/portfolio/nutriscore/" + str(a[2][
                                                "dddd":"/static/img/portfolio/nutriscore/" + str(a[3][
                                                "eeee":"/static/img/portfolio/nutriscore/" + str(a[4][
                                                "ffff":"/static/img/portfolio/nutriscore/" + str(a[5][

                                                "aaaaa":str(a[0][0]),
                                                "bbbbb":str(a[1][0]),
                                                "ccccc":str(a[2][0]),
                                                "ddddd":str(a[3][0]),
                                                "eeeeee":str(a[4][0]),
                                                "ffffff":str(a[5][0]),
                                                'message':message

                                                })

except:
    return render(request, 'mes_aliments.html')
```

8b) remplacement – la fonction replacing views.py

```
def replacing(request):
    """This is functionality for replace food from my food"""

    message = ''

    if request.method == "POST":
        replace_it = request.POST.getlist('replace_food')
        if replace_it:
            current_user = request.user

            liste = [[], []]
            element = []
            c=0
            for i in replace_it:
                for j in i:
                    if j == ",":
                        c+=1
                    else:
                        liste[c].append(j)
                c+=1
            for i in liste:
                i = "".join(i)
                element.append(i)

            b = verification_replacement(current_user, "".join(liste[-1]))

            if b == True:
                data_replace(request, current_user,
                             element[0], element[1])
            elif b == False:
                message = 'vous avez deja cet aliment'
```

8c) remplacement – fonctions associées

verification_replacement()

```
def verification_replacement(username, product):  
    """We verify food isnt already present"""  
  
    c = foodAccount.objects.get(name=username)  
  
    food = [c.name_aliment1, c.name_aliment2, c.name_aliment3,  
            c.name_aliment4, c.name_aliment5, c.name_aliment6]  
  
    for i in food:  
        if product == i:  
            return False  
  
    return True
```

8c) remplacement – fonctions associées

data_replace()

```
def data_replace(request, username, product, new_product):  
    """ """  
  
    c = foodAccount.objects.get(name=username)  
  
    food = [c.name_aliment1, c.name_aliment2, c.name_aliment3,  
            c.name_aliment4, c.name_aliment5, c.name_aliment6]  
  
    if c.name_aliment1 == product:  
        c.name_aliment1 = new_product  
        c.save()  
  
    elif c.name_aliment2 == product:  
        c.name_aliment2 = new_product  
        c.save()  
  
    elif c.name_aliment3 == product:  
        c.name_aliment3 = new_product  
        c.save()  
  
    elif c.name_aliment4 == product:  
        c.name_aliment4 = new_product  
        c.save()  
  
    elif c.name_aliment5 == product:  
        c.name_aliment5 = new_product  
        c.save()  
  
    elif c.name_aliment6 == product:  
        c.name_aliment6 = new_product  
        c.save()
```

9 -Construction de database

a) insertion de donnée dans category

b) insertion de donnée dans food

c) nettoyage de donnée

→ *character()*

→ *data_no_food()*

→ *delete_virgula()*

→ *visualisation()*

9a) - Construction de la database category

```
class data:
    """Here we insert data into tables"""

    def categorie(self):
        """Here we insert category"""

        conn = psycopg2.connect(database=DATABASE,
                                user=USER,
                                host=HOST,
                                password=PASSWORD)

        cursor = conn.cursor()
        self.liste = []
        path = "https://fr.openfoodfacts.org/categories"
        requete = requests.get(path)
        page = requete.content
        soup = BeautifulSoup(page, "html.parser")

        for tag in soup.find_all("td"):
            self.liste.append(tag.text)

        c = 0
        for i in range(3):
            print(self.liste[c])
            self.liste[c] = self.liste[c].replace(" ", "_")
            self.liste[c] = self.liste[c].replace("'", "")

            cursor.execute("INSERT INTO mes_aliments_categorie(name_categorie) \
                           VALUES (%s)" % self.liste[c])
            conn.commit()
            c+=3
        print("categorie faites")
```

9b) Construction de la database insert_food()

```
def insert_food(self):
    """Here we run api and we take informations necessary for tables insert

    conn = psycopg2.connect(database=DATABASE,
                            user=USER,
                            host=HOST,
                            password=PASSWORD)

    cursor = conn.cursor()

    c = 0
    d = 1
    self.liste_store = []
    self.liste_store1 = [[], [], [], [], [], [], [], [],
                        [], [], [], [], [], [], [], [],
                        [], [], [], [], [], [], [], []]

    self.liste_brands = []
    self.liste_brands1 = [[], [], [], [], [], [], [], [],
                        [], [], [], [], [], [], [], [],
                        [], [], [], [], [], [], [], []]

    self.liste2 = []

    for i in range(3):

        print(self.liste[c])
        print("\n")

        path2 = "https://fr.openfoodfacts.org/categorie/{}".format(self.lis
        requete = requests.get(path2)
        page = requete.content
        soup = BeautifulSoup(page, "html.parser")
        for tag in soup.find_all("span"):
            self.liste2.append(tag.text)
```

9b) Construction de la database

insert_food()

```
for i in range(3):

    print(self.liste[c])
    print("\n")

    path2 = "https://fr.openfoodfacts.org/categorie/{}".format(self.list
    requete = requests.get(path2)
    page = requete.content
    soup = BeautifulSoup(page, "html.parser")
    for tag in soup.find_all("span"):
        self.liste2.append(tag.text)

    for i in self.liste2[6:]:
        print(i)
        a = str(i).find(" - ")
        i = i[0:a]
        print(i)
        path3 = "https://fr.openfoodfacts.org/cgi/search.pl?search_terms
        search = path3.format(i)
        r = requests.get(search)
        data = json.loads(r.text)

        try:
            self.number_product = data["products"][0]['code']
        except:
            self.number_product = "No_found"

        try:
            self.description_product = data["products"][0]["ingredients_
        except:
            self.description_product = "No_found"

        try:
            self.nutriscore = data["products"][0]["nutrition_grades"]
            print("nutriscore=", self.nutriscore)
        except:
            self.nutriscore = "No_found"
```

9b) Construction de la database

insert_food()

```
try:
    self.image = data["products"][0]["image_front_url"]
except:
    self.image = "No_found"

try:
    self.brandss = data["products"][0]["brands"]
    if self.brandss == '':
        self.liste_brands.append(self.brandss)
    else:
        self.liste_brands.append(self.brandss)
except:
    self.brandss = "No_found"
    self.liste_brands.append("No_found")

try:
    self.store_product = data["products"][0]["stores"]
    if self.store_product == '':
        self.liste_store.append("No_found")
    else:
        self.liste_store.append(self.store_product)
except:
    self.store_product = "No_found"
    self.liste_store.append("No_found")

i = i.replace("'", "")
print(i)
self.image = self.image.replace("'", "")
print(self.number_product)

self.description_product = self.description_product.replace("'", "")

print(self.description_product)
self.nutriscore = self.nutriscore.replace("'", "")

print(self.nutriscore)
self.nutriscore = self.nutriscore.replace("'", "")
```

9b) Construction de la database

insert_food()

```
print(self.nutriscore)
self.nutriscore = self.nutriscore.replace("'", "")

print(self.image)
self.image = self.image.replace("'", "")

print(d)

print(self.store_product)
self.store_product = self.store_product.replace("'", "")

print(self.brandss)
self.brandss = self.brandss.replace("'", "")

cursor.execute("INSERT INTO mes_aliments_aliment (name_aliment,\
            image, code_product_food, description, nutriscor\
            id_categorie_id, name_store, name_brand)\
            VALUES ('{0}','{1}','{2}','{3}','{4}',{5},'{'6}','\
            .format(i.lower(), self.image.lower(),\
                    self.number_product.lower(),\
                    self.description_product.lower(),\
                    self.nutriscore.lower(),\
                    d, self.store_product.lower(),self.brandss

conn.commit()

d+=1
c+=3
self.liste2 = []

if __name__ == "__main__":
    yo = data()
    yo.categorie()
    yo.insert_food()
```

9c) Construction de la database nettoyage virgule del_vir()

```
import psycopg2
from config import DATABASE, USER, HOST, PASSWORD

def del_vir():
    """Here we search food picture """

    conn = psycopg2.connect(database=DATABASE,
                             user=USER,
                             host=HOST,
                             password=PASSWORD)

    cur = conn.cursor()

    cur.execute("""UPDATE mes_aliments_aliment
                  set name_aliment = REPLACE(name_aliment, ',', ' ');""")

    conn.commit()
    cur.execute("""select * from mes_aliments_aliment""")

    rows = cur.fetchall()
    print(rows)

del_vir()
|
```

9c) Construction de la database nettoyage caractère replace()

```
def replace():  
    """Here we search food picture """  
  
    conn = psycopg2.connect(database=DATABASE,  
                            user=USER,  
                            host=HOST,  
                            password=PASSWORD)  
    cur = conn.cursor()  
  
    cur.execute("""UPDATE mes_aliments_aliment  
                  set name_aliment = REPLACE(name_aliment, '\xa0', '');""")  
  
    conn.commit()  
  
replace()
```

9c) Construction de la database nettoyage donnée dela()

```
def dela():  
    """Here we search food picture """  
  
    conn = psycopg2.connect(database=DATABASE,  
                             user=USER,  
                             host=HOST,  
                             password=PASSWORD)  
    cur = conn.cursor()  
  
    cur.execute("""DELETE FROM mes_aliments_aliment  
                  WHERE nutriscore = 'no_found' or  
                  image = 'no_found' or name_aliment='no_found'  
                  or code_product_food = 'no_found'""")  
  
    conn.commit()  
    cur.execute("""select * from mes_aliments_aliment""")  
  
    rows = cur.fetchall()  
    print(rows)  
  
dela()
```


9c) Visualisation database visualisation()

```
import psycopg2

def visualisation():
    """Here we search food picture """

    conn = psycopg2.connect(database='deed0vc5ehln6g',
                            user='hylgxgwfjacgtj',
                            host='ec2-54-225-95-183.compute-1.amazonaws.com',
                            password='2509ffb8ec855b2a37e2dlb80e0521d942219ad4d5')

    cur = conn.cursor()

    cur.execute("""select name_aliment from mes_aliments_aliment""")
    conn.commit()
    rows = cur.fetchall()
    print(rows)

visualisation()
```

Les tests

- Direction le document de test
 - prend en compte les fichier tests.py de chaque applications.
 - ils testent le renvoie d'un statut 200 pour chaque template, le bon fonctionnement de chaque méthode que nous avons vu précédemment et le test de la requête vers l'api d'Openfactfood.