Lab8(Home Assignment)

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sec : D1
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Q1)Create a website with two pages.First page contains:
RadioButton with HP, Nokia, Samsung, Motorola, Apple as options.
CheckBox with Mobile and Laptop as items. TextBox to enter quantity.
There is a button with text as "Produce Bill".
On Clicking Produce Bill button, item should be displayed with total amount on another page.

CODE:

q1/urls.py

```
from django.contrib import admin
from django.urls import path, include
urlpatterns = [
path('admin/', admin.site.urls),
path('', include('billing.urls')),
]
```

billing/urls.py

```
from django.urls import path
from . import views

urlpatterns = [
path('', views.index, name='index'),
]
```

billing/forms.py

```
from django import forms
class BillForm(forms.Form):
brand = forms.ChoiceField(
choices=[('HP', 'HP'), ('Nokia', 'Nokia'), ('Samsung', 'Samsung'),
('Motorola', 'Motorola'), ('Apple', 'Apple')],
widget=forms.RadioSelect,
label="Select Brand"
)
product_type = forms.MultipleChoiceField(
choices=[('Mobile', 'Mobile'), ('Laptop', 'Laptop')],
widget=forms.CheckboxSelectMultiple,
label="Select Product Type"
)
quantity = forms.IntegerField(min_value=1, label="Enter Quantity")
```

billing/views.py

```
from django.shortcuts import render
from .forms import BillForm
def index(request):
if request.method == 'POST':
form = BillForm(request.POST)
if form.is_valid():
brand = form.cleaned_data['brand']
product_type = form.cleaned_data['product_type']
quantity = form.cleaned_data['quantity']
price = 0
if brand == 'HP':
price = 1000
elif brand == 'Nokia':
price = 500
elif brand == 'Samsung':
price = 800
elif brand == 'Motorola':
price = 600
elif brand == 'Apple':
price = 1200
total_amount = price * quantity
return render(request, 'billing/bill.html', {
'brand': brand,
'product_type': product_type,
'quantity': quantity,
'total_amount': total_amount,
})
else:
form = BillForm()
return render(request, 'billing/index.html', {'form': form})
```

bill.html

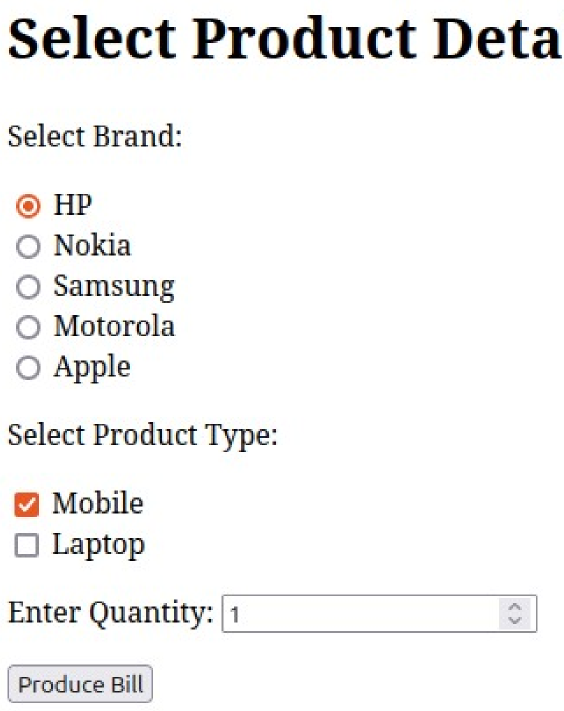
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Bill</title>
</head>
<body>
<h1>Your Bill</h1>
<p><strong>Brand:</strong> {{ brand }}</p>
<p><strong>Product Type(s):</strong> {{ product_type|join:", " }}</p>
<p><strong>Quantity:</strong> {{ quantity }}</p>
<p><strong>Total Amount:</strong> ${{ total_amount }}</p>
```

```
</body>
</html>
```

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Billing Form</title>
</head>
<body>
<h1>Select Product Details</h1>
<form method="POST">
{% csrf_token %}
{{ form.as_p }}
<button type="submit">Produce Bill</button>
</form>
</body>
</html>
```

OUTPUT:



Select Product Details

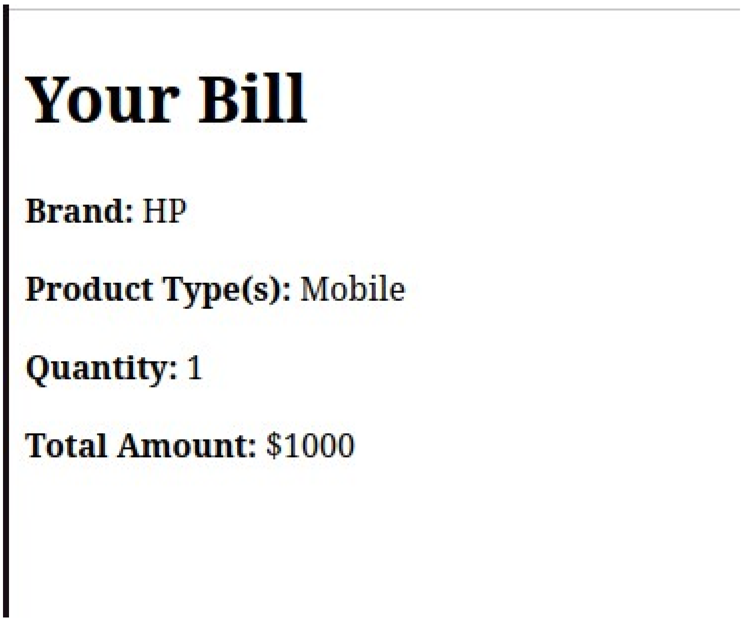
Select Brand:

● HP
○ Nokia
○ Samsung
○ Motorola
○ Apple

Select Product Type:

☑ Mobile
□ Laptop

Enter Quantity: 1



Your Bill

Brand: HP

Product Type(s): Mobile

Quantity: 1

Total Amount: $1000

Q2)Write a program to display the following feedback form. The different options for the list box must be ASP-XML, DotNET, JavaPro and Unix,C,C++. When the Submit Form button is clicked after entering the data, a message as seen in the last line of the above figure must be displayed.

CODE:

q2/urls.py

```
from django.contrib import admin
from django.urls import path
from feedback import views

urlpatterns = [
path('admin/', admin.site.urls),
path('feedback/', views.feedback_view, name='feedback'),
path('', views.feedback_view, name='root_feedback'),
]
```

feedback/urls.py

```
from django.urls import path
from . import views

urlpatterns = [
    path('', views.feedback_view, name='feedback'),  # Handles the feedback form
    path('thank-you/', views.thank_you_view, name='thank_you'),  # Handles the thank you page
]
```

feedback/forms.py

```
from django import forms

class FeedbackForm(forms.Form):
name = forms.CharField(label='Name', max_length=100)
email = forms.EmailField(label='Email')
feedback_type = forms.ChoiceField(
label='Feedback Type',
choices=[('ASP-XML', 'ASP-XML'),
('DotNET', 'DotNET'),
('JavaPro', 'JavaPro'),
('Unix,C,C++', 'Unix,C,C++')],
widget=forms.Select
)
comments = forms.CharField(widget=forms.Textarea, label='Comments')
```

feedback/views.py

```
from django.shortcuts import render
from .forms import FeedbackForm

def feedback_view(request):
if request.method == 'POST':
form = FeedbackForm(request.POST)
if form.is_valid():
name = form.cleaned_data['name']
feedback_type = form.cleaned_data['feedback_type']
comments = form.cleaned_data['comments']
message = f"Thank you, {name}, for submitting your feedback on {feedback_type}!"
return render(request, 'feedback/thank_you.html', {'message': message})
else:
form = FeedbackForm()
return render(request, 'feedback/feedback_form.html', {'form': form})
```

feedback_form.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Feedback Form</title>
<style>
body {
font-family: Arial, sans-serif;
background-color: #f4f4f9;
```

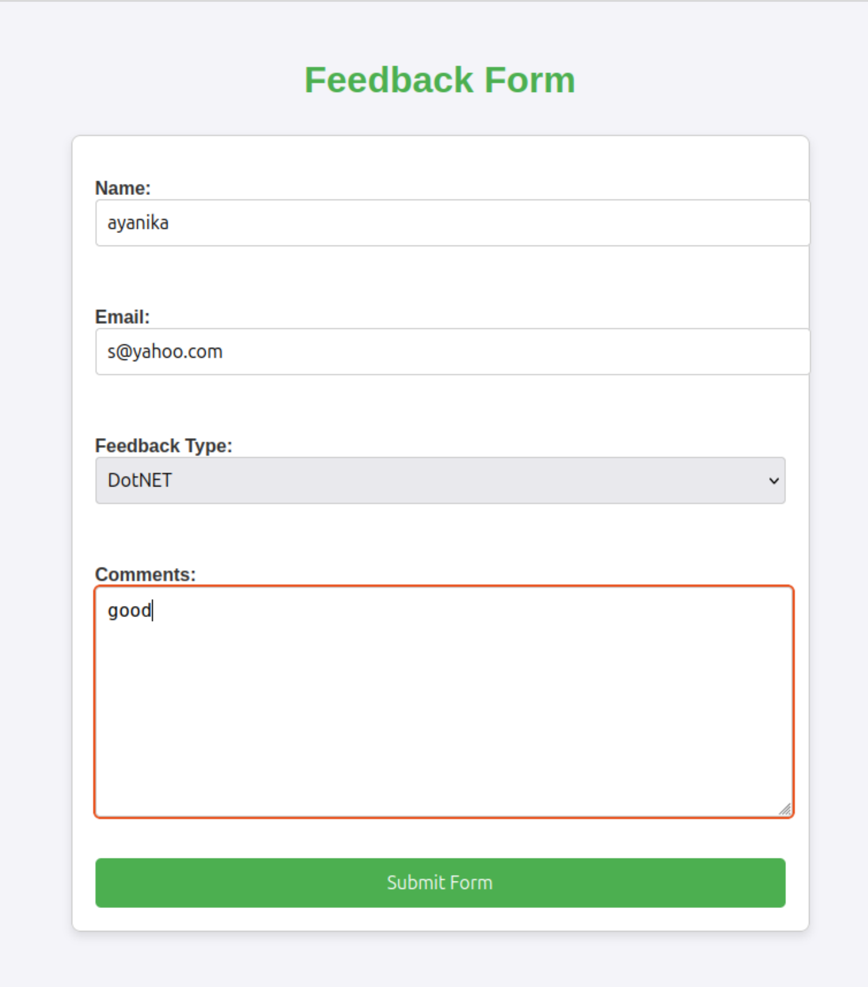
```
color: #333;
margin: 0;
padding: 0;
}

h1 {
text-align: center;
color: #4CAF50;
margin-top: 50px;
}

.form-container {
max-width: 600px;
margin: 30px auto;
padding: 20px;
border: 1px solid #ccc;
border-radius: 8px;
background-color: white;
box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}

form {
display: flex;
flex-direction: column;
}

label {
margin: 10px 0 5px;
font-weight: bold;
font-size: 16px;
}

input[type="text"],
input[type="email"],
select,
textarea {
padding: 10px;
margin-bottom: 20px;
border: 1px solid #ccc;
border-radius: 4px;
font-size: 16px;
width: 100%;
}

button[type="submit"] {
padding: 12px 20px;
border: none;
border-radius: 5px;
background-color: #4CAF50;
color: white;
```

```
font-size: 16px;
cursor: pointer;
width: 100%;
}

button[type="submit"]:hover {
background-color: #45a049;
}
</style>
</head>
<body>
<h1>Feedback Form</h1>
<div class="form-container">
<form method="post" action="{% url 'feedback' %}">
{% csrf_token %}
{{ form.as_p }}
<button type="submit">Submit Form</button>
</form>
</div>
</body>
</html>
```

thank_you.html

```
<!-- feedback/templates/feedback/thank_you.html -->
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Thank You!</title>
<style>
body {
font-family: Arial, sans-serif;
background-color: #f4f4f9;
color: #333;
text-align: center;
margin: 0;
padding: 0;
}

h1 {
color: #4CAF50;
margin-top: 50px;
}

p {
font-size: 18px;
color: #555;
margin: 20px;
}

.message-container {
max-width: 600px;
margin: 50px auto;
padding: 30px;
background-color: white;
border-radius: 8px;
border: 1px solid #ccc;
box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}

.thank-you-btn {
padding: 12px 20px;
border: none;
border-radius: 5px;
background-color: #4CAF50;
color: white;
font-size: 16px;
cursor: pointer;
text-decoration: none;
display: inline-block;
margin-top: 20px;
}

.thank-you-btn:hover {
background-color: #45a049;
}
</style>
</head>
<body>
<div class="message-container">
<h1>Feedback Submitted</h1>
<p>{{ message }}</p>
<a href="/" class="thank-you-btn">Go Back to Form</a>
</div>
</body>
</html>
```

OUTPUT:



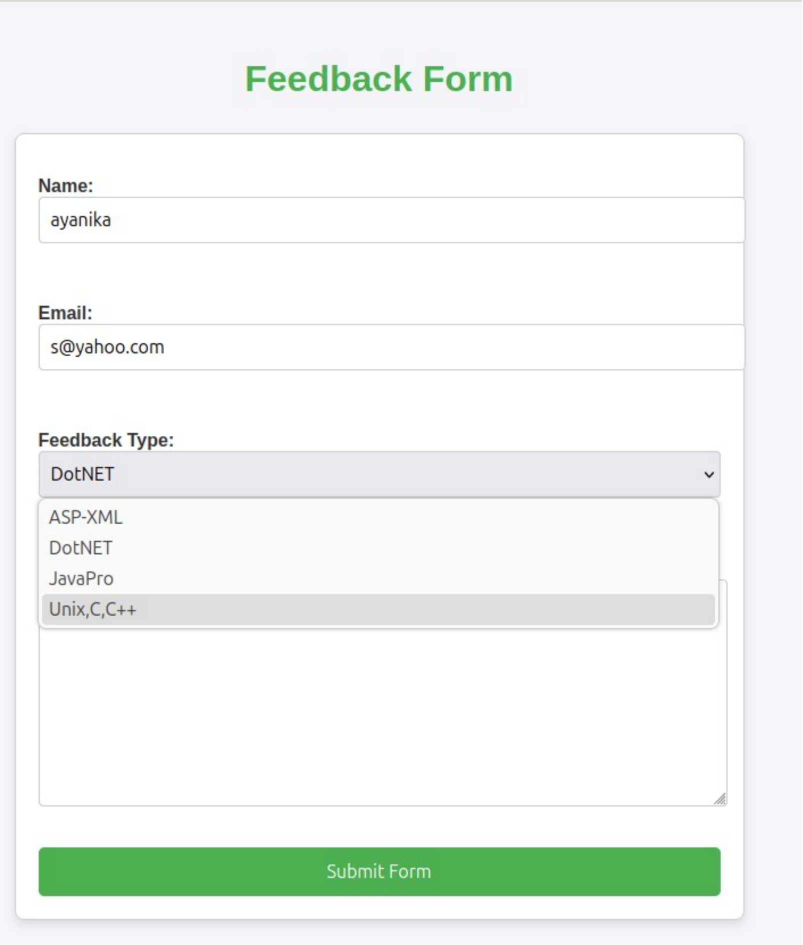
Feedback Form

Name: ayanika

Email: s@yahoo.com

Feedback Type: DotNET

Comments: good

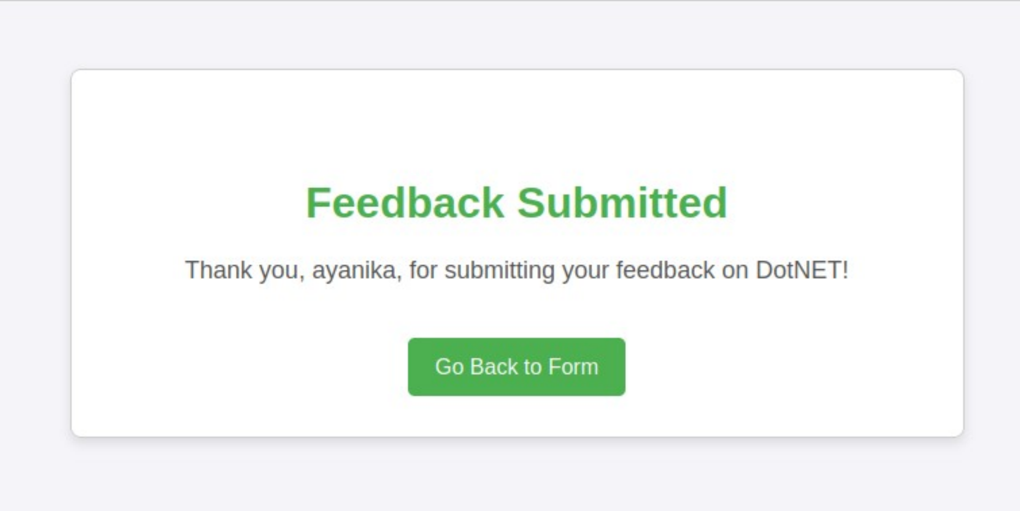


Feedback Form

Name: ayanika

Email: s@yahoo.com

Feedback Type: DotNET



Feedback Submitted

Thank you, ayanika, for submitting your feedback on DotNET!