WP LAB 8- Form processing using Django - Part 2

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Roll no: 8

Q1) Create a website with two pages. First page contains: Radio Button 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.

```
i)settings.py
INSTALLED_APPS = [
  'django.contrib.admin',
  'django.contrib.auth',
  'django.contrib.contenttypes',
  'django.contrib.sessions',
  'django.contrib.messages',
  'django.contrib.staticfiles',
 'billing',
]
ii) BillGenerator/urls.py
from django.contrib import admin
from django.urls import path, include
urlpatterns = [
  path('admin/', admin.site.urls),
 path(", include('billing.urls')), # Include app URLs
]
iii) billing/urls.py
from django.urls import path
from . import views
urlpatterns = [
  path(", views.input_page, name="input_page"), #Home Page
  path('bill/', views.bill_page, name="bill_page"), # Bill Page
1
iv) views.py
from django.shortcuts import render, redirect
# Define prices for Mobile and Laptop
PRICES = {
  "Mobile": 10000, #Base price
  "Laptop": 50000 # Base price
}
def input_page(request):
```

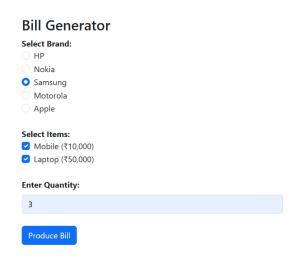
```
if request.method == "POST":
   brand = request.POST.get("brand")
   items = request.POST.getlist("items") # Get multiple values
   quantity = int(request.POST.get("quantity", 0))
   # Store data in session
   request.session["brand"] = brand
   request.session["items"] = items
   request.session["quantity"] = quantity
   return redirect("bill_page") # Redirect to bill page
  return render(request, "billing/input_page.html")
def bill_page(request):
  brand = request.session.get("brand", "Unknown")
  items = request.session.get("items", [])
  quantity = request.session.get("quantity", 0)
 total_amount = sum(PRICES[item] for item in items) * quantity # Calculate total price
  return render(request, "billing/bill_page.html", {
   "brand": brand,
   "items": items,
   "quantity": quantity,
   "total_amount": total_amount
 })
v) templates/billing/bill_page.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Bill Summary</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"</pre>
rel="stylesheet">
</head>
<body>
  <div class="container mt-5">
   <h2>Bill Summary</h2>
   <strong>Brand:</strong> {{ brand }}
   <strong>ltems:</strong> {{ items|join:", " }}
   <strong>Quantity:</strong> {{ quantity }}
   <h4><strong>Total Amount:</strong> ₹{{ total_amount }}</h4>
   <a href="{% url 'input_page' %}" class="btn btn-success">Generate Another Bill</a>
  </div>
</body>
</html>
```

vi) templates/billing/input_page.html

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Bill Generator</title>
 k href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
 <div class="container mt-5">
   <h2>Bill Generator</h2>
   <form method="post">
     {% csrf_token %}
     <label><strong>Select Brand:</strong></label><br>
     <div class="form-check">
       <input class="form-check-input" type="radio" name="brand" value="HP" required> HP
     </div>
     <div class="form-check">
       <input class="form-check-input" type="radio" name="brand" value="Nokia"> Nokia
     </div>
     <div class="form-check">
       <input class="form-check-input" type="radio" name="brand" value="Samsung">
Samsung
     </div>
     <div class="form-check">
       <input class="form-check-input" type="radio" name="brand" value="Motorola">
Motorola
     </div>
     <div class="form-check">
       <input class="form-check-input" type="radio" name="brand" value="Apple"> Apple
     </div>
     <br>
     <label><strong>Select Items:</strong></label><br>
     <div class="form-check">
       <input class="form-check-input" type="checkbox" name="items" value="Mobile">
Mobile (₹10,000)
     </div>
     <div class="form-check">
       <input class="form-check-input" type="checkbox" name="items" value="Laptop">
Laptop (₹50,000)
     </div>
     <br>
     <label for="quantity" class="form-label"><strong>Enter Quantity:</strong></label>
     <input type="number" class="form-control" id="quantity" name="quantity" required>
     <br>
     <button type="submit" class="btn btn-primary">Produce Bill</button>
```

```
</form>
</div>
</body>
</html>
```

vii) Screenshots



Bill Summary

Brand: Samsung

Items: Mobile, Laptop

Quantity: 3

Total Amount: ₹180000

Generate Another Bill

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.

<u>i)settings.py</u>

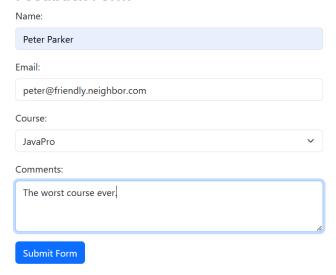
INSTALLED_APPS = [
 'django.contrib.admin',
 'django.contrib.auth',

```
'django.contrib.contenttypes',
  'django.contrib.sessions',
  'django.contrib.messages',
  'django.contrib.staticfiles',
  'feedback',
]
ii) FeedbackApp/urls.py
from django.contrib import admin
from django.urls import path, include
urlpatterns = [
  path('admin/', admin.site.urls),
 path(", include('feedback.urls')), # Include app URLs
1
iii) feedback/urls.py
from django.urls import path
from . import views
urlpatterns = [
  path(", views.feedback_form, name="feedback_form"),
]
iv) views.py
from django.shortcuts import render
def feedback_form(request):
  message = ""
 if request.method == "POST":
   name = request.POST.get("name")
   email = request.POST.get("email")
   course = request.POST.get("course")
   comments = request.POST.get("comments")
   message = f"Thank you {name} for your feedback on {course}!"
  return render(request, "feedback/form.html", {"message": message})
v) templates/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>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"</pre>
rel="stylesheet">
</head>
<body>
  <div class="container mt-5">
```

```
<h2>Feedback Form</h2>
   <form method="post">
     {% csrf_token %}
     <div class="mb-3">
       <label for="name" class="form-label">Name:</label>
       <input type="text" class="form-control" id="name" name="name" required>
     </div>
     <div class="mb-3">
       <label for="email" class="form-label">Email:</label>
       <input type="email" class="form-control" id="email" name="email" required>
     </div>
     <div class="mb-3">
       <label for="course" class="form-label">Course:</label>
       <select class="form-select" id="course" name="course">
         <option value="ASP-XML">ASP-XML</option>
         <option value="DotNET">DotNET</option>
         <option value="JavaPro">JavaPro</option>
         <option value="Unix">Unix</option>
         <option value="C">C</option>
         <option value="C++">C++</option>
       </select>
     </div>
     <div class="mb-3">
       <label for="comments" class="form-label">Comments:</label>
       <textarea class="form-control" id="comments" name="comments"
rows="3"></textarea>
     </div>
     <button type="submit" class="btn btn-primary">Submit Form</button>
   </form>
   {% if message %}
   <div class="alert alert-success mt-3">
     {{ message }}
   </div>
   {% endif %}
 </div>
</body>
</html>
```

vi) Screenshots

Feedback Form



Feedback Form

