# Week 8 Homework Assignment – 220962446

**Question 1) 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 1)**

**Urls.py**

from django.urls import path

from .views import order\_view

urlpatterns = [

    path('', order\_view, name='order'),

]

**Views.py**

from django.shortcuts import render, redirect

from .forms import OrderForm

PRICE\_LIST = {

    'Mobile': 10000,

    'Laptop': 50000,

}

def order\_view(request):

    if request.GET.get('new\_order'):

        request.session.pop('order\_data', None)

        return redirect('order')

    order\_data = request.session.get('order\_data', None)

    if request.method == "POST":

        form = OrderForm(request.POST)

        if form.is\_valid():

            request.session['order\_data'] = form.cleaned\_data

            return redirect('order')

    else:

        form = OrderForm()

    total\_price = None

    if order\_data:

        total\_price = sum(PRICE\_LIST[item] \* order\_data['quantity'] for item in order\_data['items'])

    return render(request, 'base.html', {'form': form, 'order': order\_data, 'total\_price': total\_price})

**Forms.py**

from django import forms

class OrderForm(forms.Form):

    BRAND\_CHOICES = [

        ('HP', 'HP'),

        ('Nokia', 'Nokia'),

        ('Samsung', 'Samsung'),

        ('Motorola', 'Motorola'),

        ('Apple', 'Apple'),

    ]

    ITEM\_CHOICES = [

        ('Mobile', 'Mobile'),

        ('Laptop', 'Laptop'),

    ]

    brand = forms.ChoiceField(choices=BRAND\_CHOICES, widget=forms.RadioSelect)

    items = forms.MultipleChoiceField(choices=ITEM\_CHOICES, widget=forms.CheckboxSelectMultiple)

    quantity = forms.IntegerField(min\_value=1)

**Base.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Phone Dealer</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="bg-light">

    <div class="container mt-5">

        <div class="card shadow-lg">

            <div class="card-header bg-primary text-white text-center">

                <h2>Phone Dealer</h2>

            </div>

            <div class="card-body">

                {% if order %}

                    <h4 class="text-success text-center">Bill Summary</h4>

                    <table class="table table-bordered mt-3">

                        <tr>

                            <th>Brand</th>

                            <td>{{ order.brand }}</td>

                        </tr>

                        <tr>

                            <th>Items</th>

                            <td>{{ order.items|join:", " }}</td>

                        </tr>

                        <tr>

                            <th>Quantity</th>

                            <td>{{ order.quantity }}</td>

                        </tr>

                        <tr>

                            <th>Total Price</th>

                            <td class="fw-bold text-danger">₹{{ total\_price }}</td>

                        </tr>

                    </table>

                    <div class="text-center">

                        <a href="{% url 'order' %}?new\_order=true" class="btn btn-outline-primary">Place New Order</a>

                    </div>

                {% else %}

                    <h4 class="text-center text-primary">Place Your Order</h4>

                    <form method="post" class="mt-4">

                        {% csrf\_token %}

                        <div class="mb-3">

                            {{ form.as\_p }}

                        </div>

                        <div class="text-center">

                            <button type="submit" class="btn btn-success">Produce Bill</button>

                        </div>

                    </form>

                {% endif %}

            </div>

        </div>

    </div>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

Output 1)

A screenshot of a phone dealer

AI-generated content may be incorrect.

A screenshot of a phone dealer

AI-generated content may be incorrect.

**Question 2)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.**

A screenshot of a computer

AI-generated content may be incorrect.

**Code 2)**

**Urls.py**

from django.urls import path

from .views import feedback\_view

urlpatterns = [

    path('', feedback\_view, name='feedback'),

]

**Forms.py**

from django import forms

class FeedbackForm(forms.Form):

    student\_name = forms.CharField(label="Student Name", max\_length=100, widget=forms.TextInput(attrs={'class': 'form-control'}))

    GENDER\_CHOICES = [('Male', 'Male'), ('Female', 'Female')]

    gender = forms.ChoiceField(label="Sex", choices=GENDER\_CHOICES, widget=forms.RadioSelect)

    COURSE\_CHOICES = [

        ('ASP-XML', 'ASP-XML'),

        ('DotNET', 'DotNET'),

        ('JavaPro', 'JavaPro'),

        ('Unix,C,C++', 'Unix,C,C++')

    ]

    course = forms.ChoiceField(label="Select Course", choices=COURSE\_CHOICES, widget=forms.Select(attrs={'class': 'form-select'}))

    TECHNICAL\_COVERAGE\_CHOICES = [

        ('Excellent', 'Excellent'),

        ('Good', 'Good'),

        ('Average', 'Average'),

        ('Poor', 'Poor')

    ]

    technical\_coverage = forms.ChoiceField(label="Technical Coverage", choices=TECHNICAL\_COVERAGE\_CHOICES, widget=forms.RadioSelect)

    suggestions = forms.CharField(label="Suggestions", required=False, widget=forms.Textarea(attrs={'class': 'form-control', 'rows': 3}))

**Views.py**

from django.shortcuts import render

from .forms import FeedbackForm

def feedback\_view(request):

    message = None

    if request.method == "POST":

        form = FeedbackForm(request.POST)

        if form.is\_valid():

            student\_name = form.cleaned\_data['student\_name']

            message = f"Thanks {student\_name} for your feedback."

    else:

        form = FeedbackForm()

    return render(request, 'base.html', {'form': form, 'message': message})

**Base.html**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Courseware Feedback Form</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="bg-light">

    <div class="container mt-5">

        <div class="card shadow-lg">

            <div class="card-header bg-primary text-white text-center">

                <h2>Courseware Feedback Form</h2>

            </div>

            <div class="card-body">

                <form method="post">

                    {% csrf\_token %}

                    <div class="mb-3">

                        {{ form.student\_name.label\_tag }}

                        {{ form.student\_name }}

                    </div>

                    <div class="mb-3">

                        <label class="form-label">{{ form.gender.label }}</label><br>

                        {{ form.gender }}

                    </div>

                    <div class="mb-3">

                        {{ form.course.label\_tag }}

                        {{ form.course }}

                    </div>

                    <div class="mb-3">

                        <label class="form-label">{{ form.technical\_coverage.label }}</label><br>

                        {{ form.technical\_coverage }}

                    </div>

                    <div class="mb-3">

                        {{ form.suggestions.label\_tag }}

                        {{ form.suggestions }}

                    </div>

                    <div class="text-center">

                        <button type="submit" class="btn btn-success">Submit Form</button>

                    </div>

                </form>

            </div>

            {% if message %}

            <div class="card-footer text-center text-success fw-bold">

                {{ message }}

            </div>

            {% endif %}

        </div>

    </div>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>

**Output 2)**

**A screenshot of a computer

AI-generated content may be incorrect.**