**WEEK-8 ASSIGNMENT**

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Q.Develop a Web Application for Grocery Checklist Generation as shown in the figure

below. It must have checkboxes which must be populated on page load listing grocery

items. On clicking the Add Item button the selected Items and their prices have to be

displayed in a Table. Set the borderstyle and border width for the table and its cells.

**first\_page.html**

<!-- grocery/templates/grocery/first\_page.html -->

<!DOCTYPE html>

<html lang="en">

<head>

{%load static%}

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Grocery Checklist</title>

<link rel="stylesheet" href="{% static 'styles.css' %}">

</head>

<body>

<h1>Grocery Checklist</h1>

<form method="POST">

{% csrf\_token %}

<div class="grocery-items">

{% for item in grocery\_items %}

<label>

<input type="checkbox" name="{{ item.name }}">

{{ item.name }} - ${{ item.price }} per unit

</label><br>

{% endfor %}

</div>

<button type="submit">Add Item</button>

</form>

</body>

</html>

**second\_page.html**

<!-- grocery/templates/grocery/second\_page.html -->

<!DOCTYPE html>

<html lang="en">

<head>

{%load static%}

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Selected Grocery Items</title>

<link rel="stylesheet" href="{% static 'styles.css' %}">

</head>

<body>

<h1>Selected Grocery Items</h1>

<table>

<thead>

<tr>

<th>Item</th>

<th>Price</th>

<th>Quantity</th>

</tr>

</thead>

<tbody>

{% for item in selected\_items %}

<tr>

<td>{{ item.name }}</td>

<td>${{ item.price }}</td>

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

</tr>

{% endfor %}

</tbody>

</table>

<h2>Total Price: ${{ total\_price }}</h2>

<a href="{% url 'first\_page' %}">Go Back</a>

</body>

</html>

**views.py**

# grocery/views.py

from django.shortcuts import render

# Define the items and prices

grocery\_items = [

{"name": "Wheat", "price": 50, "quantity": 1},

{"name": "Dal", "price": 40, "quantity": 1},

{"name": "Jaggery", "price": 30, "quantity": 1},

{"name": "Milk", "price": 20, "quantity": 1},

{"name": "Cheese", "price": 60, "quantity": 1},

]

# The first page where users select grocery items

def first\_page(request):

if request.method == "POST":

selected\_items = []

total\_price = 0

# Get selected items from the form

for item in grocery\_items:

if request.POST.get(item["name"]):

selected\_items.append(item)

total\_price += item["price"] \* item["quantity"]

# Send selected items and total price to the second page

return render(request, 'grocery/second\_page.html', {

'selected\_items': selected\_items,

'total\_price': total\_price,

})

# Render the first page with available grocery items

return render(request, 'grocery/first\_page.html', {

'grocery\_items': grocery\_items

})

**grocery/urls.py**

# grocery/urls.py

from django.urls import path

from . import views

urlpatterns = [

path('', views.first\_page, name='first\_page'),

]

grocery\_project/urls.py

from django.contrib import admin

from django.urls import path, include

urlpatterns = [

path('admin/', admin.site.urls),

path('', include('grocery.urls')), # Include grocery app URLs

]

**styles.css**

/\* Global Styling \*/

body {

font-family: Arial, sans-serif;

background-color: #f4f4f9;

color: #333;

margin: 0;

padding: 0;

display: flex;

justify-content: center;

align-items: center;

height: 100vh; /\* Vertically center content \*/

flex-direction: column;

text-align: center;

}

h1 {

color: #4CAF50;

margin-bottom: 30px;

}

form {

background-color: #fff;

padding: 30px;

border-radius: 10px;

box-shadow: 0 4px 12px rgba(0, 0, 0, 0.1);

width: 100%;

max-width: 500px; /\* Max width for larger screens \*/

margin-bottom: 40px;

}

label {

font-size: 16px;

display: block;

margin-bottom: 10px;

color: #555;

}

input[type="checkbox"] {

margin-right: 10px;

}

button {

background-color: #4CAF50;

color: white;

padding: 12px 20px;

border: none;

border-radius: 5px;

cursor: pointer;

font-size: 16px;

width: 100%;

margin-top: 20px;

transition: background-color 0.3s ease;

}

button:hover {

background-color: #45a049;

}

/\* Table Styling \*/

table {

width: 80%;

margin: 0 auto;

border-collapse: collapse;

border: 2px solid #ddd;

margin-top: 30px;

}

th, td {

padding: 15px;

text-align: left;

border: 1px solid #ddd;

}

th {

background-color: #4CAF50;

color: white;

font-size: 18px;

}

td {

background-color: #f9f9f9;

}

td, th {

font-size: 16px;

}

/\* Total Price Styling \*/

h2 {

color: #4CAF50;

margin-top: 20px;

font-size: 22px;

}

/\* Link Styling \*/

a {

background-color: #4CAF50;

color: white;

padding: 12px 20px;

border-radius: 5px;

cursor: pointer;

font-size: 16px;

text-decoration: none;

display: inline-block;

margin-top: 20px;

transition: background-color 0.3s ease;

}

a:hover {

background-color: #45a049;

}

/\* Responsive Design for Mobile Devices \*/

@media (max-width: 600px) {

form {

width: 90%;

max-width: 100%;

padding: 20px;

}

table {

width: 90%;

}

}



