

LAB-6

ADDITIONAL QUESTIONS

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-CSE_D//45

Q1// Design a simple web application which will ask the user to input his name and a message, display the two items concatenated in a label, and change the format of the label using radio buttons and check boxes for selection, the user can make the label text bold, underlined or italic and change its color. include buttons to display the message in the label, clear the text boxes and label and exit.

A1//

message/urls.py:

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

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

textformatting/urls.py:

```
from django.contrib import admin
from django.urls import path, include

urlpatterns = [
    path('admin/', admin.site.urls),
    path("", include('message.urls')), # Include the message app URLs
]
```

views.py:

```
from django.shortcuts import render

def home(request):
    formatted_message = ""
    if request.method == "POST":
        name = request.POST.get("name", "")
        message = request.POST.get("message", "")
        style = request.POST.getlist("style")
        color = request.POST.get("color")

        # Concatenate name and message
        formatted_message = f"{name}, {message}"

        # Apply styles based on user selection
        style_classes = []
```

```

    if "bold" in style:
        style_classes.append("bold")
    if "italic" in style:
        style_classes.append("italic")
    if "underline" in style:
        style_classes.append("underline")

    # Apply color
    style_classes.append(f"color-{color}")

    return render(request, "home.html", {"formatted_message": formatted_message,
"style_classes": " ".join(style_classes)})

    return render(request, "home.html", {"formatted_message": formatted_message})

```

home.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Text Formatter</title>
    <style>
        .bold { font-weight: bold; }
        .italic { font-style: italic; }
        .underline { text-decoration: underline; }
        .color-red { color: red; }
        .color-blue { color: blue; }
        .color-green { color: green; }
    </style>
</head>
<body>
    <h1>Text Formatter</h1>

    <form method="POST">
        {% csrf_token %}
        <label for="name">Name:</label>
        <input type="text" id="name" name="name"><br><br>

        <label for="message">Message:</label>
        <input type="text" id="message" name="message"><br><br>

        <label>Text Style:</label><br>
        <input type="checkbox" name="style" value="bold"> Bold<br>
        <input type="checkbox" name="style" value="italic"> Italic<br>
        <input type="checkbox" name="style" value="underline"> Underline<br><br>

        <label>Text Color:</label><br>
        <input type="radio" name="color" value="red" checked> Red<br>
        <input type="radio" name="color" value="blue"> Blue<br>

```

```

<input type="radio" name="color" value="green"> Green<br><br>

<button type="submit">Display Message</button>
<button type="reset">Clear</button>
</form>

{% if formatted_message %}
  <h2>Formatted Message:</h2>
  <p class="{{ style_classes }}">{{ formatted_message }}</p>
{% endif %}

<button onclick="window.location.href='/'">Exit</button>
</body>
</html>

```

OUTPUT:

Text Formatter

Name:

Message:

Text Style:

☐ Bold

☒ Italic

☒ Underline

Text Color:

☐ Red

☒ Blue

☐ Green

Text Formatter

Name:

Message:

Text Style:

☐ Bold

☐ Italic

☐ Underline

Text Color:

☒ Red

☐ Blue

☐ Green

Formatted Message:

Prathit, How are you

Q2// Design a simple web application to provide information about a book. The home page of the application should display the cover page of the book along with three hyperlinks: Metadata, Reviews, Publisher info. Give provision to revert to home page from any other page.

A2//