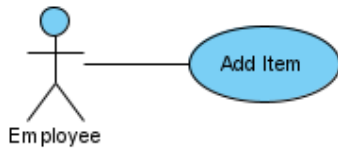


Creating Application with Django Template



For example, to add function “Add Item” for Employee. This function consists of the form “additemform” for entering the new item details and displays “additemconfirmation” page after the details are saved in the Item database table.

Create function

1. In the Terminal, enter the command “python manage.py startapp additem” to create the app ‘additem’.
2. In additem\views.py, add the functions “additemform()” and “additemconfirmation()”. [See next page, take note of the import commands.]
3. In additem folder, create the folder ‘templates\additem’. In this folder, create the files ‘additemform.html’ and ‘additemconfirmation.html’.

Update menu

4. In the app\templates\app folder, update ‘menu.html’ by replacing the code for “Module 1” with the following:

```
<form class="margintop" action='additemform' method='GET'>
    <button type="submit" class="btn btn-info">Add Item</button><br />
</form>
```

Update settings.py and urls.py

5. Update ‘django_project1/settings.py’ by adding “additem” in the INSTALLED_APPS list.
6. Update ‘django_project1/urls.py’ as follows:
 - a. Change the “from app import ...” to “from app import views as main_views”
 - b. Add “from additem import views as additem_views” after the list of app imports.
 - c. Change the URLs for the main pages as follows:

```
re_path(r'^$', main_views.home, name='home'),
re_path(r'^contact$', main_views.contact, name='contact'),
re_path(r'^about$', main_views.about, name='about'),
re_path(r'^menu$', main_views.menu, name='menu'),
```

- d. Add the patterns for addItem URLs:

```
re_path(r'^additemform$', additem_views.additemform, name='additem_form'),  
re_path(r'^additemconfirmation$', additem_views.additemconfirmation,  
        name='additem_confirmation'),
```

7. Run the application and test the 'Add Item' function in the employee login.

[Refer to following pages for the codes for 'additem\views.py', 'additemform.html', and 'additemconfirmation.html']

addItem\views.py

```
from django.shortcuts import render

from django.contrib.auth.decorators import login_required

from datetime import datetime

from app.models import Item


# Create your views here.


@login_required
def additemform(request):

    context = {

        'title': 'Add Item Form',

        'year': datetime.now().year,

    }

    context['user'] = request.user


    return render(request, 'additem/additemform.html', context)


def additemconfirmation(request):

    newitem_id = request.POST['item_id']

    newitem_name = request.POST['item_name']

    newitem_description = request.POST['item_description']


    newitem = Item(item_id = newitem_id, item_name = newitem_name, item_description =
newitem_description)

    newitem.save()


    context = {
```

```
        'item_id': newitem_id,  
        'item_name' : newitem_name,  
        'item_description' : newitem_description,  
    }  
    return render(request,'additem/additemconfirmation.html',context)
```

additemform.html

```
{% extends "app/layout.html" %}
```

```
{% block content %}
```

```
<div class="formadditem" >
```

```
    <br>
```

```
    <h1><p><strong>Add Item Form</strong></p></h1>
```

```
    <form class="additemsubmission" action="additemconfirmation" method="POST">
```

```
        {% csrf_token %}
```

```
        <div class="row margintop">
```

```
            <p><input type="text" name='item_id' placeholder='Item id' class="form-control" /></p>
```

```
            <p><input type="text" name="item_name" placeholder='Item name' class="form-control" ></p>
```

```
            <p><input type="text" name="item_description" placeholder='Item description' class="form-control" ></p>
```

```
        </div>
```

```
    <div class="margintop">
```

```
        <button type="submit" class="btn btn-success btn-square buttonsize">Submit</button>
```

```
        <a class="btn btn-danger btn-square buttonsize" href="/menu">Cancel</a>
```

```
    </div>
```

```
</form>
```

```
</div>
```

```
{% endblock %}
```

additemconfirmation.html

```
{% extends "app/layout.html" %}
```

```
{% block content %}
```

```
<div class="formadditem" >
```

```
    <br>
```

```
    <hi><p><strong>Item Added!</strong></p></hi>
```

```
    <p>Item ID: {{ item_id }}</p>
```

```
    <p>Item Name: {{ item_name }}</p>
```

```
    <p>Item Description: {{ item_description }}</p>
```

```
    <form class="additemsubmission margintop" action="additemdetails" method="POST">
```

```
        <div class="margintop">
```

```
            <a class="btn btn-danger btn-square buttonsize" href="/menu">Cancel</a>
```

```
        </div>
```

```
    </form>
```

```
</div>
```

```
{% endblock %}
```