

**MovieProject:**

- **views.py**

```
from testapp.models import movie
def list_movies_view(request):
    movies_list = Movie.objects.all()
    return render(request, 'testapp/listmovies.html', {'movies_list': movies_list})
```

- **listmovies.html**

```
<body>
{% if movies_list %}
<h1>Movie List</h1>
<table>
<thead>
<th>Release Date</th>
<th>Movie Name</th>
<th>Hero</th>
<th>Heroine</th>
<th>Rating</th>
</thead>
{% for movie in movies_list %}
<tr>
<td>{{movie.rdate}}</td>
<td>{{movie.moviename}}</td>
<td>{{movie.hero}}</td>
<td>{{movie.heroine}}</td>
<td>{{movie.rating}}</td>
</tr>
{% endfor %}
</table>
{% else %}
<h1>No Movies Found</h1>
{% endif %}
</body>
```

- **urls.py**

```
path('movielist/', views.list_movies_view),
```

- **index.html**

```
<a href="/movielist" class="btn btn-primary">List Movies</a>
```

- **forms.py**

```
from django import forms
from testapp.models import Movie
class MovieForm(forms.ModelForm):
    class Meta:
        model = Movie
        fields = '__all__'
```

- **views.py**

```
from testapp.forms import MovieForm
def add_movie_view(request):
    form = MovieForm()
    if request.method == 'POST':
        form = MovieForm(request.POST)
        if form.is_valid():
            form.save(commit=True)
            return index_view(request)
    return render(request, 'testapp/addmovie.html', {'form': form})
```

- **addmovie.html**

```
<body>
<div class="container" align='center'>
<h1>Add Movie Information</h1>
<form method="post">
    {{form.as_p}}
    {% csrf_token %}
    <input type="submit" class="btn btn-primary" name="" value="Add
Movie">
</form>
</div>
</body>
```

- **urls.py**

```
path('addmovie/', views.add_movie_view)
```

- **index.html**

```
<a href="/addmovie" class="btn btn-primary">ADD</a>
```

## **Working With Advanced Tempaltes:**

1.Template Inheritance

2.Template Filters

### **1.Template Inheritance:**

-->If multiple template files have same common code, it is not recommended to write that common code in every template html file. It increases length of the code and reduces readability. It also increases development time.

-->We have to separate that common code into a new template file, which is also known as base template. The remaining template files should required to extend base template so that the common code will be inherited automatically.

-->Inheriting common code from base template to remaining templates is nothing but template inheritance.

### **How to implement template inheritance**

- **base.html**

```
<body>
```

```
    common code required for every child template
```

```
    {% block child_block %}
```

```
        Anything out of this block available to child tag
```

```
        In child template the specific code should be in this
```

```
block
```

```
    {% endblock %}
```

```
</body>
```

- **child.html**

```
<!DOCTYPE html>
```

```
{% extends 'testapp/base.html' %}
```

```
    {% block child_block %}
```

```
        Child specific code
```

```
    {% endblock %}
```