

CRUD OPERATIONS USING FUNCTION VIEW FOR MOVIES APPLICATION

VIEWS.PY FILE

```
#HII NI HOME VIEW IMECONTAIN LIST TU ZA KWENDA KWENYE HIZO PAGE ZETU NYINGINE
def home(response):

    return render(response, 'DimosoApp/home.html')

#HII VIEW NI KWA AJILI YA KUDISPLAY MOVIES ZOTE ZILIZOPO KWENYE DATABASE
def display_movies(response):
    all_movies = Movies.objects.all()
    context={
        "all_movies":all_movies
    }

    return render(response, 'DimosoApp/display_movies.html', context)

#HII VIEW NI KWA AJILI YA KUADI MOVIES
def add_movie(request):
    form = MoviesForm()
    if request.method == 'POST':
        form = MoviesForm(request.POST)
        if form.is_valid():
            form.save()
            return redirect('home')
        messages.info(request, "Data Uploading Failed!!!")
        return redirect('add_movie')

    context={
        "form":form
    }
    return render(request, 'DimosoApp/add_movie.html', context)

#HII VIEW NI KWA AJILI YA KUAPDETI MOVIE ILA INATUMIA TEMPLATE ILE YA KUADI MOVIE
def update_movies(request, id):

    x = Movies.objects.get(id=id)
    form = MoviesUpdateForm(instance=x)
    if request.method == "POST":
        form = MoviesUpdateForm(request.POST, instance=x)
        if form.is_valid():
            form.save()
            messages.info(request, "Data Updated successful")
            return redirect('display_movies')
```



```

context = {
    "form":form,
    "x":x

}
return render(request, 'DimosoApp/add_movie.html', context)

#HII VIEW NI KWA AJILI YA KUDELETE MOVIE
def delete_movies(response, id):
    movie = get_object_or_404(Movies, id=id)
    movie.delete()
    return redirect('display_movies')
#HII NI KWA AJILI YA KUVIEW TAARIFA ZA MOVIE MOJAMOJA YANI MOVIES DETAIL
def view_movie(response, id):
    movie = Movies.objects.get(id=id)
    context={
        "movie":movie
    }

    return render(response, 'DimosoApp/view_movie.html', context)

```

MODELS.PY

```

from django.db import models
from django.urls import reverse

from django.contrib.auth.models import AbstractBaseUser, BaseUserManager

# Create your models here.
class Movies(models.Model):
    name = models.CharField(max_length=200)
    duration = models.FloatField()
    rating = models.FloatField()
    date = models.DateTimeField(auto_now_add=True)

    def __str__(self):
        return self.name

```



FORMS.PY

```
from DimosoApp.models import *
from django.forms import ModelForm
from django import forms
from django.contrib.auth.forms import UserCreationForm
from django.contrib.auth import authenticate

class MoviesForm(ModelForm):
    class Meta:
        model = Movies
        fields = '__all__'

class MoviesUpdateForm(ModelForm):
    class Meta:
        model = Movies
        fields = '__all__'
```

URLS.PY OF APPLICATION

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

urlpatterns = [

    path("", views.home, name="home"),

    path('base/', views.base, name="base"),
    path('add_movie/', views.add_movie, name="add_movie"),

    path('display_movies/', views.display_movies, name="display_movies"),
    path('update_movies/<int:id>/', views.update_movies, name="update_movies"),
    path('delete_movies/<int:id>/', views.delete_movies, name="delete_movies"),
    path('view_movie/<int:id>/', views.view_movie, name="view_movie"),

]
```

URLS.PY OF THE PROJECT

```
from django.contrib import admin
from django.urls import path, include
from django.conf import settings
from django.conf.urls.static import static
```

```
urlpatterns = [
    path('admin/', admin.site.urls),
    path("", include('DimosoApp.urls')),
]
if settings.DEBUG:
    urlpatterns+=static(settings.MEDIA_URL,document_root=settings.MEDIA_ROOT)
```

TEMPLATES

HOME.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    {% if messages %}
    {% for message in messages %}

        <div class="alert alert-warning alert-dismissible fade show" role="alert">
        <strong>{{message}}</strong>
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
        </div>
        {% endfor %}
    {% endif %}

    <h1>dimsos</h1>

    <a href="{% url 'add_movie' %}">Add New Movie</a><br>
    <a href="{% url 'display_movies' %}">All Movies</a>

</body>
</html>
```

DISPLAY_MOVIES.HTML

```
<!DOCTYPE html>
<html>
<head>
    <title></title>
</head>
<body>
<center><h1>All Movies</h1></center>
<center>
```



```

<table class="table">
  <thead>
    <tr>
      <th>No.</th>
      <th>Movies Name</th>
      <th>Movies Duratio</th>
      <th>Rating</th>
      <th>Created</th>
    </tr>
  </thead>
  <tbody>
    {% for x in all_movies %}
      <tr>
        <td>{{forloop.counter}}</td>
        <td>{{x.name}}</td>
        <td>{{x.duration}}</td>
        <td>{{x.rating}}</td>
        <td>{{x.date}}</td>
        <td>
          <a href="{% url 'view_movie' x.id %}">View</a>
          <a href="{% url 'update_movies' x.id %}">Update</a>
          <a href="{% url 'delete_movies' x.id %}">Delete</a>
        </td>
      </tr>

    {% endfor %}
  </tbody>
</table>

</center>
</body>
</html>

```

ADD_MOVIES.HTML

```

<!DOCTYPE html>
<html>
<head>
  <title></title>
</head>
<body>

  <form action="" method="POST">
    {% csrf_token %}
    {{form.as_p}}

```



```
<input type="submit" class="btn btn-primary" value="Submit" name="">
  </form>

</body>
</html>
```

VIEW_MOVIE.HTML

```
<!DOCTYPE html>
<html>
<head>
  <title></title>
</head>
<body>
<center>
  <h1>Movie Details</h1>
  <h1>Movie Name: {{movie.name}}</h1>
  <h1>Duration: {{movie.duration}}</h1>
  <h1>Rate: {{movie.rating}}</h1>
</center>
</body>
</html>
```

THERE IS NO TEMPLATES FOR UPDATING MOVIES AND DELETE MOVIES