

Simple project that admin will add task to user and user can see task assigned by admin. And user can also add work update and edit and delete.

Admin module to assign task :-

Add assigntasks

Title:

Details:

Works:

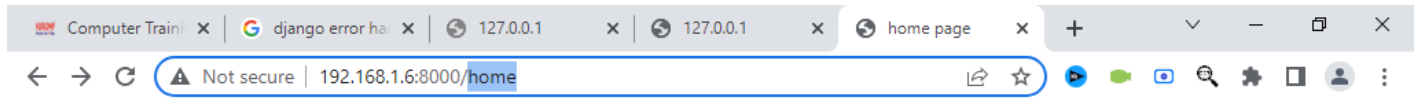
om    

Save and add another

Save and continue editing

SAVE

User Module after login to add task and check task assigned by admin.



Welcome om

[+](#) [Check Task](#)

Title	Details	Date	Delete	Action
18 - may	Dm Lecture ok	May 19, 2023	delete user	update user
19 may work	dm lecture	May 20, 2023	delete user	update user
ooo	kkk12	May 20, 2023	delete user	update user
ok	ok om testing task for you	May 20, 2023	delete user	update user
dm lecture	i taken my lecture	May 24, 2023	delete user	update user

[Logout](#)



Models.py file Code:-

```
from django.db import models
from django.contrib.auth.models import User
from django.contrib.auth.models import Permission

# Create your models here.

class customers(models.Model):
    user=models.OneToOneField(User,primary_key=True,on_delete=models.CASCADE)

    def __str__(self):
        return self.user.username

class Tasks(models.Model):
    Title=models.CharField(max_length=100)
    Details=models.TextField()
    Date=models.DateField(auto_now_add=True)
    works=models.ForeignKey(customers,on_delete=models.CASCADE)
    def __str__(self):
        return self.Title

class Assigntasks(models.Model):
    Title=models.CharField(max_length=100)
    Details=models.TextField()
    Date=models.DateField(auto_now_add=True)
    works=models.ForeignKey(customers,on_delete=models.CASCADE)
    def __str__(self):
        return self.Title
```

admin.py file code :-

```
from django.contrib import admin
from models import customers,Tasks,Assigntasks
```



```

password=forms.CharField(max_length=50,
                          required=True,
                          widget=forms.PasswordInput(attrs={'placeholder':
'Password',
                                                         'class': 'form-
control',
                                                         'data-toggle':
'password',
                                                         'id':
'password',
                                                         }))

email=forms.EmailField(required=True,
                        widget=forms.TextInput(attrs={'placeholder':
'Email',
                                                         'class': 'form-
control',
                                                         }))

class LoginForm(AuthenticationForm):
    username = forms.CharField(max_length=100,
                               required=True,
                               widget=forms.TextInput(attrs={'placeholder':
'Username',
                                                             'class': 'form-
control',
                                                             }))

    password = forms.CharField(max_length=50,
                               required=True,
                               widget=forms.PasswordInput(attrs={'placeholder':
'Password',
                                                                  'class': 'form-
control',
                                                                  'data-toggle':
'password',
                                                                  'id':
'password',
                                                                  'name':
'password',
                                                                  }))

```

Views.py file code:-

```

from django.shortcuts import render,redirect
from django.contrib.auth import login,logout,authenticate
from django.contrib.auth.forms import AuthenticationForm
from django.contrib.auth.models import User
from .forms import *
from django.contrib import messages
from .models import *
from django.contrib.auth.decorators import login_required
from django.http import HttpResponseRedirect

@login_required(login_url='login_req')
def homes(request):
    return render(request, 'app1/base.html')

def AdminDashboard(request):
    # users = User.objects.all().values()
    Customers = customers.objects.all()

    # data=users
    return render(request, "app1/AdminDashboard.html", {"customers":Customers} )

@login_required(login_url='login_req')
def userViewDetails(request,pk):
    tasks = Tasks.objects.filter(works_id=pk)
    return render(request,'app1/userView.html',{'Tasks':tasks})

@login_required(login_url='login_req')
def home(request):
    if request.user.is_superuser:
        return redirect('admin-dash')
    # else:
        # return redirect('taskView')
    customer=customers.objects.get(user=request.user)
    tasks = Tasks.objects.filter(works_id = customer)
    return render(request,'app1/userView.html',{'Tasks':tasks})

@login_required(login_url='login_req')
def hometask(request):
    if request.user.is_superuser:
        return redirect('admin-dash')
    # else:

```

```

        # return redirect('taskView')
        customer=customers.objects.get(user=request.user)
        tasks = Assigntasks.objects.filter(works_id = customer)
        return render(request, 'app1/taskView.html', {'Tasks':tasks})

    return render(request, 'app1/home.html', {'details':customer})
@login_required(login_url='login_req')
def uploadTask(request):
    customer=customers.objects.get(user_id=request.user.id)
    form=TaskForms()

    if request.method=="POST":
        form=TaskForms(request.POST)

        if form.is_valid():
            Title=form.cleaned_data["Title"]
            Details=form.cleaned_data["Details"]
            model=Tasks(Title=Title,Details=Details,works=customer)

            model.save()
            form=TaskForms()
            return redirect('taskView', customer.user_id)
        else:
            form = TaskForms()

    return render (request, 'app1/uploadTask.html', {'upload':form})

@login_required(login_url='login_req')
def updateTask(request,user_id,prod_id):

    customer=customers.objects.get(user_id=user_id)
    # if request.user.is_superuser:

        # customer=customers.objects.get(user_id=)

    abc=Tasks.objects.get(id=prod_id)

    xyz=TaskForms(request.POST or None ,instance=abc)

    if xyz.is_valid():
        xyz.save()
        return redirect('taskView',customer.user_id)

```

```

        return render(request, 'app1/uploadTask.html', {'upload': xyz})

@login_required(login_url='login_req')
def updateCustomer(request, user_id):
    user=User.objects.get(id=user_id)
    form=CustomerForms(request.POST or None ,instance=user)
    if form.is_valid():
        # username = form.cleaned_data["username"]
        # email=form.cleaned_data["email"]
        # model=User(username=username,email=email)
        # model.save()
        form.save()

        return redirect('home')

    return render(request, 'app1/uploadCustomer.html', {'upload': form})

def login_req(request):
    if request.method=="POST":
        username=request.POST['username']
        password=request.POST['password']
        user=authenticate(username=username,password=password)
        if user is not None:
            login(request,user)
            return redirect('home')
        else:
            messages.error(request,"invalid")
            return redirect('login_req')
    else:
        form=LoginForm()
    return render(request, "app1/login.html", {'login_form': form})

def AdminDelete(request, user_id):
    # customer=customers.objects.get(user_id=user_id) #! Get Customer
    user = User.objects.get(id=user_id)

    user.delete()
    return redirect('admin-dash')

def user_logout(request):
    logout(request)

```

```

        return redirect('/')

def register_req(request):
    if request.method=="POST":
        username=request.POST['username']
        password=request.POST['password']
        email=request.POST['email']
        user=User.objects.create_user(username=username,password=password,email=e
mail)
        user.save()
        customer=customers(user=user)
        customer.save()
        return redirect('login_req')
    form =NewUserForm
    return render(request,'app1/register.html',{'form':form})

def TaskDelete(request,user_id,prod_id):
    # customer =customers.objects.get(user_id=user_id) #! Get Customer
    task=Tasks.objects.get(id=prod_id)
    task.delete()
    return redirect('taskView',user_id)
import csv

# Create your views here.

def exportcsv(request):
    students = Tasks.objects.all()
    response = HttpResponse('text/csv')
    response['Content-Disposition'] = 'attachment; filename=Tasks.csv'
    writer = csv.writer(response)
    writer.writerow(['ID', 'title', 'details', 'Date','works','works_id'])
    studs = students.values_list('id','Title', 'Details','Date',
'works','works_id')
    for std in studs:
        writer.writerow(std)
    return response

```

urls.py file code(project fodler) :-

```

"""
URL configuration for project project.

The `urlpatterns` list routes URLs to views. For more information please see:

```

```

https://docs.djangoproject.com/en/4.2/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.urls import path
from app1 import views

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', views.homes, name='homes'),
    path('login_req', views.login_req, name="login_req"),
    path('admin-dash', views.AdminDashboard, name='admin-dash'),
    path('taskView/<int:pk>', views.userViewDetails, name='taskView'),
    path('home', views.home, name='home'),
    path('hometask', views.hometask, name='hometask'),
    path('uploadTask/', views.uploadTask, name='uploadTask'),
    path(r'updatetask/<int:user_id>/<int:prod_id>', views.updateTask, name='update
task'),
    path('updatecustomer/<int:user_id>', views.updateCustomer, name='updatecustomer
'),
    path('deletetask/<int:user_id>/<int:prod_id>', views.TaskDelete, name='deletet
ask'),

    path('deleteuser/<int:user_id>', views.AdminDelete, name='deleteuser'),
    path('logout/', views.user_logout, name='logout'),
    path('register_req', views.register_req, name="register_req"),
    path('exportcsv', views.exportcsv, name='exportcsv'),
]

```

AdminDashboard.html file code :-

```

app1
<!DOCTYPE html>

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

</head>
<body>

  <h1 style="text-align: center; padding-top: 1em; padding-bottom:
1em;">Customers Information</h1>
<div class="container mt-3">
  <a href="{% url 'exportcsv' %}" class="btn btn-primary">Export Work Update
Data</a>
<table class="table table-striped table-dark" >
  <thead>
    <tr>
      <th>Index No</th>
      <th>Customer</th>
      <th>Email</th>
      <th>Update</th>
      <th>Delete</th>
    </thead>
  </tr>
  <tbody>
    {% for Customer in customers %}
    <tr >
      <th th scope="row">{{forloop.counter}}</th>
      <td class="text-bg-dark"><a href="{% url 'taskView'
Customer.user_id %}"> {{Customer.user}}</a>
      <td>{{Customer.user.email}}</td>
      <td><a href="{% url 'updatecustomer' Customer.user.id %}">
update</a></td>
      {% comment %} {{Customer.user.id}} {% endcomment %}
      <td><a href="{% url 'deleteuser' Customer.user.id %}">Delete</a></td>

    </td>

```

```

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

</div>
<div class="text-center">

    <a href="/register_req"><button type="button" class="btn btn-primary">Add New
Customer</button></a>

</div>
</body>
</table>

```

base.html file code :-

```

<!doctype html>
<html lang="en">
<head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

```

```

<div class="jumbotron">
  <h1 class="display-4">Welcome</h1>
  <p class="lead">
    This is <b>user registration and login system</b> build with django which
    is
    a Python-based free and open-source web framework that follows the model-
    template-views architectural pattern.
  </p>
  <hr class="my-4">
  <p class="lead">
    <a class="btn btn-primary btn-lg" href="login_req"
    role="button">login</a>

    <a class="btn btn-primary btn-lg" href="/register_req" role="button">Sign
    up</a>
  </p>
</div>

```

home.html file code :-

```

<!doctype html>
<html lang="en">
<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-
  to-fit=no">

  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

<table border="1">
<th>Customer name</th>
<th>Customer email</th>
{% for customer in details %}
<tr>

```

```

<td> <a href="{% url 'taskView' customer.user_id %}"> {{customer.user}}</a>
</td>

<td>{{customer.user.email}}</td>

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

```

register.html file :-

```

<!DOCTYPE html>

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJJOZ" crossorigin="anonymous">
</head>

  <div class="form-content my-3 p-3">
    <div class="container">
      <div class="row justify-content-center">
        <div class="col-lg-7">
          <div class="card shadow-lg border-0 rounded-lg mt-0 mb-5">
            <div class="card-header justify-content-center">
              <h3 class="font-weight-light my-4 text-center">Create
Account</h3>
            </div>
            <div class="card-body">
              <form method="POST">
                {% csrf_token %}
                {% if form.errors %}

```

```

                                <div class="alert alert-danger alert-
dismissible" role="alert">
                                <div id="form_errors">
                                    {% for key, value in
form.errors.items %}
                                        <strong>{{ value }}</strong>
                                        {% endfor %}
                                    </div>
                                <button type="button" class="close" data-
dismiss="alert" aria-label="Close">
                                    <span aria-
hidden="true">&times;</span>
                                </button>
                            </div>
                        {% endif %}
                    <div class="form-row">
                        <div class="col-md-6">
                            <div class="form-group">
                                {{ form.first_name }}
                            </div>
                        </div>
                        <div class="col-md-6">
                            <div class="form-group">
                                {{ form.last_name }}
                            </div>
                        </div>
                    </div>
                    <div class="form-row">
                        <div class="col-md-6">
                            <div class="form-group">
                                <label class="small mb-
1">Username</label>
                                {{ form.username }}
                            </div>
                        </div>
                        <div class="col-md-6">
                            <div class="form-group">
                                <label class="small mb-
1">Email</label>
                                {{ form.email }}
                            </div>
                        </div>
                    </div>
                </div>

```



```

<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

<div class="form-content my-3 p-3">
  <div class="container">
    <div class="row justify-content-center">
      <div class="col-lg-5">
        <div class="card shadow-lg border-0 rounded-lg mt-0 mb-3">
          <div class="card-header justify-content-center">
            <h3 class="font-weight-light my-1 text-center">Sign
In</h3>
          </div>
          {% if form.errors %}
            <div class="alert alert-danger alert-dismissible"
role="alert">
              <div id="form_errors">
                {% for key, value in form.errors.items %}
                  <strong>{{ value }}</strong>
                {% endfor %}
              </div>
              <button type="button" class="close" data-
dismiss="alert" aria-label="Close">
                <span aria-hidden="true">&times;</span>
              </button>
            </div>
          {% endif %}
          <div class="card-body">
            <form method="POST">
              {% csrf_token %}
              <div class="form-row">
                <div class="col-md-10 offset-md-1">
                  <div class="form-group">
                    <a href="#"
class="btn btn-link btn-lg
active btn-block">Sign in with GitHub</a>
                    <a href="#"
class="btn btn-link btn-lg
active btn-block">Sign in with Google</a>
                  </div>
                </div>
              </div>
            </form>
          </div>
        </div>
      </div>
    </div>
  </div>
  <hr>

```

```

                                <p class="text-
center"><strong>OR</strong></p>
                                <hr>
                                <label class="small mb-
1">Username</label>
                                {{ login_form.username }}
                                </div>
                                </div>
                                </div>
                                <div class="form-row">
                                <div class="col-md-10 offset-md-1">
                                <div class="form-group">
                                <label class="small mb-
1">Password</label>
                                {{ login_form.password }}
                                </div>
                                </div>
                                </div>
                                <div class="form-group mt-4 mb-0">
                                <button type="submit" class="col-md-12 btn
btn-dark">Sign In</button><br><br>
                                </div>
                                </div>
                                </div>
                                </div>
                                <div class="form-row">
                                <div class="col-md-10 offset-md-1">
                                <div class="form-group mt-0 mb-1">
                                <button name="login" class="col-md-12
btn btn-dark" id="login">Sign in</button>
                                </div>
                                </div>
                                </div>
                                </div>
                                </form>
                                </div>
                                <div class="card-footer text-center">
                                <div class="small">
                                <a href= '/register_req' >Don't have an account
yet? Go to signup</a><br>
                                </div>
                                </div>
                                </div>
                                </div>
                                </div>

```

```
    </div>
  </div>
</div>
```

taskView.html file code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>home page</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJJOZ" crossorigin="anonymous">
  <style>
    #nav{
      margin-bottom:20px;
      display: flex;
      justify-content: flex-end ;
      gap:20px;
    }
    body{
      margin: 0 20px;
    }
  </style>
</head>

<body>

<center ><h1>Welcome {{request.user}}</h1></center>
<div id='nav' >
  {% if not request.user.is_superuser %}
  <a class ="btn btn-success" href="{% url 'uploadTask' %}"> +</a>
  {% endif %}
</div>
```

```

<table class="table table-striped table-dark">
  <thead>
    <tr>
      <th scope="col">Task </th>
      <th scope="col">Task Details</th>
      <th scope="col">Date</th>

    </tr>
  </thead>
  <tbody>
    {% for task in Tasks %}
      {% if request.user.is_superuser and forloop.first%}
        <h5>Customer: {{task.works}}</h5>
      {% endif %}
      <tr>
        <th scope="row">{{task.Title}}</th>
        <td> {{task.Details}}</td>
        <td>{{task.Date}}</td>

      </tr>

    </tbody>
    {% endfor %}
  </table>
  <a class="btn btn-dark" href="{% url 'logout' %}">Logout</a>
</html>

```

uploadCutomer.html file code :-

```

<!doctype html>
<html lang="en">
<head>

  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">

  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"

```

```
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">

<style>
  .container {
    margin-left: 550px;
    margin-top: 150px;
    width: 300px;
    height: 100px;
    padding: 15px;
  }
  <h1 style="text-align: center; padding-top: 1em; padding-bottom: 1em;">
Update Customers Information </h1>

</style>
</style>
<div class="container">
</head>
<body>

  <table>
    <tbody>
<form method="POST" enctype='multipart=data'>
  {% csrf_token %}
  {%for form in upload%}

  {{ form.label}}
  {{form}}

  {% endfor %}
  <div class="text-center">
  <input class="btn btn-success" type="submit">
  </div>
</tbody>
</table>
{% for key, value in form.errors.items %}
  <strong>error{{ value }}</strong>
{% endfor %}
</div>
```

uploadTask.html file code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>home page</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJOZ" crossorigin="anonymous">

<div class="container-fluid">
  <h1> Add Your Work Update</h1>
  <form method="POST" enctype='multipart=ndata'>
    {% csrf_token %}

    <div class="form-row">
      <div class="col">
        <div class="form-group mt-3 mb-0">
          <label class="small mb-1">Title:</label>
          {{ upload.Title }}

          <div class="col">
            <div class="form-group">
              <label class="small mb-1">Details:</label>
              {{ upload.Details }}
            </div>
          </div>
        </div>
        <div class="form-group mt-4 mb-0">
          <button type="submit" class="col-md-12 btn btn-dark">Submit</button><br><br>
        </div>
      </div>
    </div>
  </form>
</div>
```

userView.html file code :-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>home page</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-KK94CHFLLe+nY2dmCWGMq91rCGa5gtU4mk92HdvYe+M/SXH301p5ILy+dN9+nJJOZ" crossorigin="anonymous">
</style>
  #nav{
    margin-bottom:20px;
    display: flex;
    justify-content: flex-end ;
    gap:20px;
  }
  body{
    margin: 0 20px;
  }
</style>
</head>

<body>

<center ><h1>Welcome {{request.user}}</h1></center>
<div id='nav'>

{% if not request.user.is_superuser %}
<a class ="btn btn-success" href="{% url 'uploadTask' %}"> +</a>
<a class ="btn btn-success" href="{% url 'hometask' %}"> Check Task</a>
{% endif %}
</div>
<table class="table table-striped table-dark">
  <thead>
    <tr>
      <th scope="col">Title</th>
      <th scope="col">Details</th>
      <th scope="col">Date</th>
```

```

        <th scope="col">Delete</th>
        <th scope="col">Action</th>

    </tr>
</thead>
<tbody>
    {% for task in Tasks %}
    {% if request.user.is_superuser and forloop.first%}
    <h5>Customer: {{task.works}}</h5>
    {% endif %}
    <tr>
        <th scope="row">{{task.Title}}</th>
        <td> {{task.Details}}</td>
        <td>{{task.Date}}</td>

        <td><a class="btn btn-danger" href="{% url 'deletetask'
task.works.user.id task.id %}"> delete user</a></td>

        <td><a class="btn btn-warning" href="{% url 'updatetask'
task.works.user.id task.id %}"> update user</a></td>

    </tr>

</tbody>
{% endfor %}
</table>
<a class="btn btn-dark" href="{% url 'logout' %}">Logout</a>
</html>

```