**First RoadMap in Django**

Create Directory 🡪 CMD 🡪 Venv 🡪 Config 🡪 Check setting Pycharm 🡪 Create app accounts 🡪 Add To Setting (app name) 🡪 accounts/models 🡪setting.py (add last line AUTH\_USER\_MODEL = 'accounts.CustomUser' ) 🡪 Create forms.py in accounts directory 🡪 Connect Forms to admin in admin.py 🡪 makemigration accounts 🡪 migrate 🡪 createsuperuser 🡪 config/urls.py 🡪 create uls.py in accounts 🡪 accounts/uls.py 🡪create templates directory in main project 🡪 set DIR setting for template 🡪 create \_base.html in templates 🡪 create home.html beside \_base.html 🡪 create login.html in templates/registration/login.html 🡪 create signup.html in templates/registration/signup.html 🡪 setting.py (add last line LOGIN\_REDIRECT\_URL = 'home' , LOGOUT\_REDIRECT\_URL = 'home' 🡪 accounts/views.py 🡪 Test site 127.0.0.1:8000/home

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account/models:

from django.db import models

from django.contrib.auth.models import AbstractUser

class CustomUser(AbstractUser):

age = models.PositiveIntegerField(null=True, blank=True, )

…

…

…

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accounts/forms.py

from django.contrib.auth.forms import UserCreationForm

from django.contrib.auth.forms import UserChangeForm

from .models import CustomUser

class CustomUserCreationForm (UserCreationForm):

class Meta:

model = CustomUser

fields = ('username', 'age', 'email', )

class CustomUserChangeForm (UserChangeForm):

class Meta:

model = CustomUser

fields = ('username', 'age', 'email', )

accounts/admin.py

from django.contrib.auth.admin import UserAdmin

from django.contrib import admin

from .models import CustomUser

from .forms import CustomUserCreationForm, CustomUserChangeForm

class CustomUserAdmin(UserAdmin):

add\_form = CustomUserCreationForm

list\_display = ['username', 'email', 'age', 'is\_staff', ]

form = CustomUserChangeForm

model = CustomUser

fieldsets = (UserAdmin.fieldsets + (

(None, {'fields': ('age', )}),

))

add\_fieldsets = UserAdmin.add\_fieldsets + (

(None, {'fields': ('age', )}),

)

admin.site.register(CustomUser, CustomUserAdmin)

config/urls.py

from django.contrib import admin

from django.urls import path, include

from django.views.generic.base import TemplateView

urlpatterns = [

path('admin/', admin.site.urls),

path('accounts/', include('django.contrib.auth.urls')),

path('accounts/', include('accounts.urls')),

path('home/', TemplateView.as\_view(template\_name='home.html'), name='home', ),

]

accounts/urls.py

from django.contrib import admin

from django.urls import path, include

from . import views

urlpatterns = [

path('signup/', views.SignUpView.as\_view(), name='signup'),

]

templates/\_base.html

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">

<html lang="en">

<head>

<meta http-equiv="Content-Type" content="text/html;charset=UTF-8">

<title>

{% block page\_title %}

{% endblock page\_title %}

</title>

</head>

<body>

{% block content %}

{% endblock content %}

</body>

</html>

templates/home.html

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">

<html lang="en">

<head>

<meta http-equiv="Content-Type" content="text/html;charset=UTF-8">

<title>

{% block page\_title %}

{% endblock page\_title %}

</title>

</head>

<body>

{% block content %}

{% endblock content %}

</body>

</html>

templates/registration/login.html

{% extends '\_base.html' %}

{% block page\_title %} Log In {% endblock page\_title %}

{% block content %}

<form action="" method="post">

{% csrf\_token %}

{{ form.as\_p }}

<button type="submit" >Log IN</button>

</form>

{% endblock content %}

templates/registration/signup.html

{% extends '\_base.html' %}

{% block page\_title %} SignUp {% endblock page\_title %}

{% block content %}

<form action="" method="post">

{% csrf\_token %}

{{ form.as\_p }}

<button type="submit" >Sign Up</button>

</form>

{% endblock content %}

accounts/views.py

from django.views import generic

from .forms import CustomUserCreationForm

from django.urls import reverse\_lazy

class SignUpView(generic.CreateView):

form\_class = CustomUserCreationForm

template\_name = 'registration/signup.html'

success\_url = reverse\_lazy('login')