## First Folder Structure

* Backend
* Frontend
* Venv

# Virtual Environment Integration

1. Instalation
   1. pipenv install or python -m venv ./venv
   2. pipenv shell or venv\Scripts\activate

# Django Integration

1. pip install django django-shortcuts djangorestframework (only if will use Rest)
2. cd backend
3. django-admin startproject core .
4. python manage.py startapp api or django sa (with django-shortcuts installed)
5. Add ‘api’ and ‘restframework’ (only if will use Rest) to settings installed apps

# My apps

    'api'

    # Third party apps

    'restframework'

1. Create urls.py in the api app.
2. Create model:

class RentForm(models.Model):

name = models.CharField(max\_length=200)

   surname = models.CharField(max\_length=200)

   address = models.CharField(max\_length=200)

   date = models.DateField()

1. Make migrations and migrate: python manage.py makemigrations and python manage.py migrate or django mm and django m
2. Create serializers.py file
3. Serialize class model RentForm

from rest\_framework import serializers

from .models import RentForm

class RentFormSerializer(serializers.ModelSerializer):

    class Meta:

        model = RentForm

        fields = ('id','name','surname','address', 'date')

1. Create a View

from django.shortcuts import render

from rest\_framework import generics

from .models import RentForm

from .serializers import RentFormSerializer

class RentFormView(generics.ListCreateAPIView):

    queryset = RentForm.objects.all()

    serializer\_class = RentFormSerializer

1. Add api urls to core urls

from django.urls import path, include

path('api/', include('api.urls')),

1. Add url

from django.urls import path

from .views import RentFormView

urlpatterns = [

    path('rentform', RentFormView.as\_view()),

]

## For Frontend

* In settings add

CORS\_ALLOWED\_ORIGINS = [

"http://localhost:3000"]

* Pip install django-cors-headers

STATICFILES\_DIRS = [

    os.path.join(BASE\_DIR, '../frontend/build/static'),

]

1. Run the server with python manage.py runserver or django r and go to url

# React Integration

Npx create-react-app frontend

CD in the frontend

Npm start

Npm install react-router-dom

Npm-install @material-ui/core