```
# Create your models here.

# Create your models here.

Class Note(models.Model):

body models.TextField(null=True, blank=True)

updated = models.DateTimeField(auto_now=True)

created = models.DateTimeField(auto_now_add=True)

def __str__(self):
    return self.body[0:50]
```

```
data to JSON format
```

```
from rest_framework.serializers import ModelSerializer
from .models import Note

class NoteSerializer(ModelSerializer):
class Meta:
model = Note
fields = '__all__'
```

```
perope d'acqui e propert Reyonse mont propert Reyonse in a good way to want to the want to
```

```
def getNotesList(request):
notes = Note.objects.all().order_by('-updated')
serializer = NoteSerializer(notes, many=True)
return Response(serializer.data)

New Mayonse

(Rest framework)
```

when creating a new Note, The should not wait till so.

```
let getNote = async () => {
    if (noteIo == 'new') return gartick.

let response = await fetch('/api/notes/${noteId}/')
    let data = await response.json()
    setNote(data)
}
```

CORS ever - Django

blocking

React app.

python -m pip install django-cors-headers
and then add it to your installed apps:

```
INSTALLED_APPS = [
...
corsheaders",
...
```

Make sure you add the trailing comma or you might get a ModuleNotFoundError (see this blog post).

You will also need to add a middleware class to listen in on responses:

```
MIDDLEWARE = [
...,
"corsheaders.middleware.CorsMiddleware",
"django.middleware.common.CommonMiddleware",
...,
]
```

```
import {
  HashRouter as Router,
  Route
} from "react-router-dom";
```

CORS - ALLOWED - ORIGION = [-]

```
let updateNote = async () => {
    fetch('/api/notes/${noteId}/', {
        method: "PUT",
        headers: {
             'Content-Type': 'application/jsc
        },
        body: JSON.stringify(note)
    })
}

def updateNote(request, pk):
    data = request.data
```

serializer = NoteSerializer(instance=note, data=data

note = Note.objects.get(id=pk)

if serializer.is_valid():

serializer.save()

return serializer.data

```
let handleChange = (value) => {
    setNote(note => ({ ...note, 'body': value }))
    console.log('Handle Change:', note)
}
```

Dilete Node

```
let handleSubmit = () => {
    console.log('NOTE:', note)
    if (noteId !== 'new' && note.body == '') {
        deleteNote()
    } else if (noteId !== 'new') {
        updateNote()
    } else if (noteId === 'new' && note.body !== null) {
        createNote()
    }
    history.push('/')
}
```