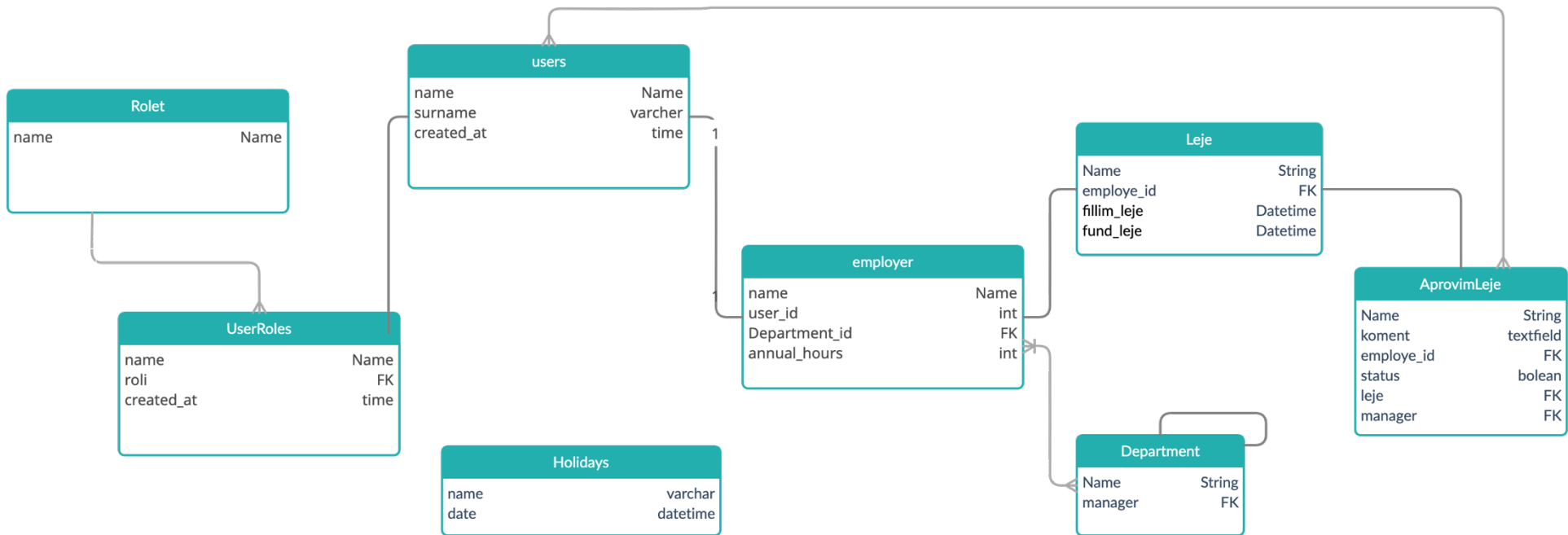


## Dokumentimi



<http://127.0.0.1:8000/department/>

Nxjerr listen e gjith departamenteve.

Permission jane default nga setting.py

```
REST_FRAMEWORK = {
    'DEFAULT_PERMISSION_CLASSES': [
        'rest_framework.permissions.AllowAny',
    ]
}
```

Ne kete rast jane AllowAny... Pra gjithkush mund te shikoje listen e departamenteve

Department Serializer List

Department Serializer List

OPTIONS GET

GET /department/

HTTP 200 OK  
Allow: GET, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
[
  {
    "id": 1,
    "parent_department": null,
    "name": "IT"
  },
  {
    "id": 2,
    "parent_department": null,
    "name": "HR"
  },
  {
    "id": 3,
    "parent_department": 1,
    "name": "Develop_Team"
  }
]
```

<http://127.0.0.1:8000/department/create/>

```
class DepartmentSerializerCreateView(generics.CreateAPIView):
    serializer_class = DepartmentSerializers
    permission_classes = [IsAdminUser]
```

127.0.0.1:8000/department/create/

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Django REST framework ruxhino

Department Serializer List / Department Serializer Create

Department Serializer Create

OPTIONS

GET /department/create/

HTTP 405 Method Not Allowed  
Allow: POST, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
{
  "detail": "Method \"GET\" not allowed."
}
```

Raw data HTML form

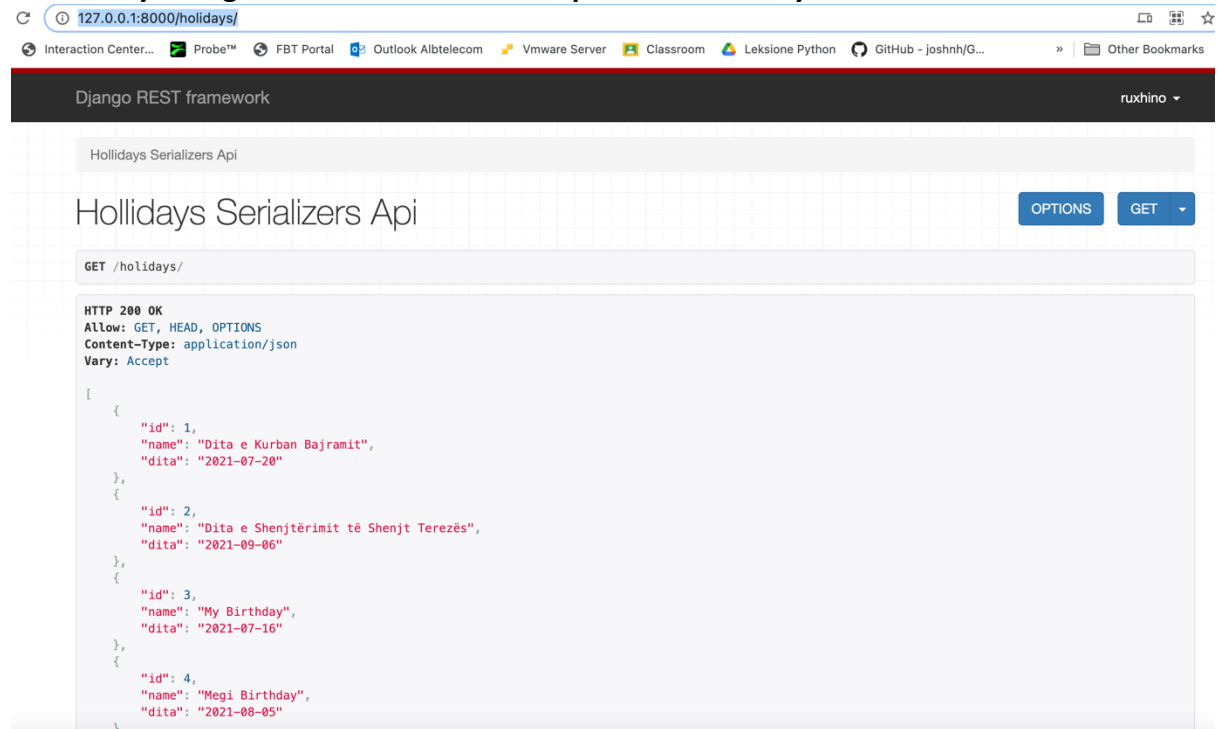
Parent department -----

Name

POST

<http://127.0.0.1:8000/holidays/>

Lista e te gjitha diteve pushim pushimeve. Kan akses te shikojne te gjithë. Permission eshte ndryshe nga default... eshte bere importuar AllowAny

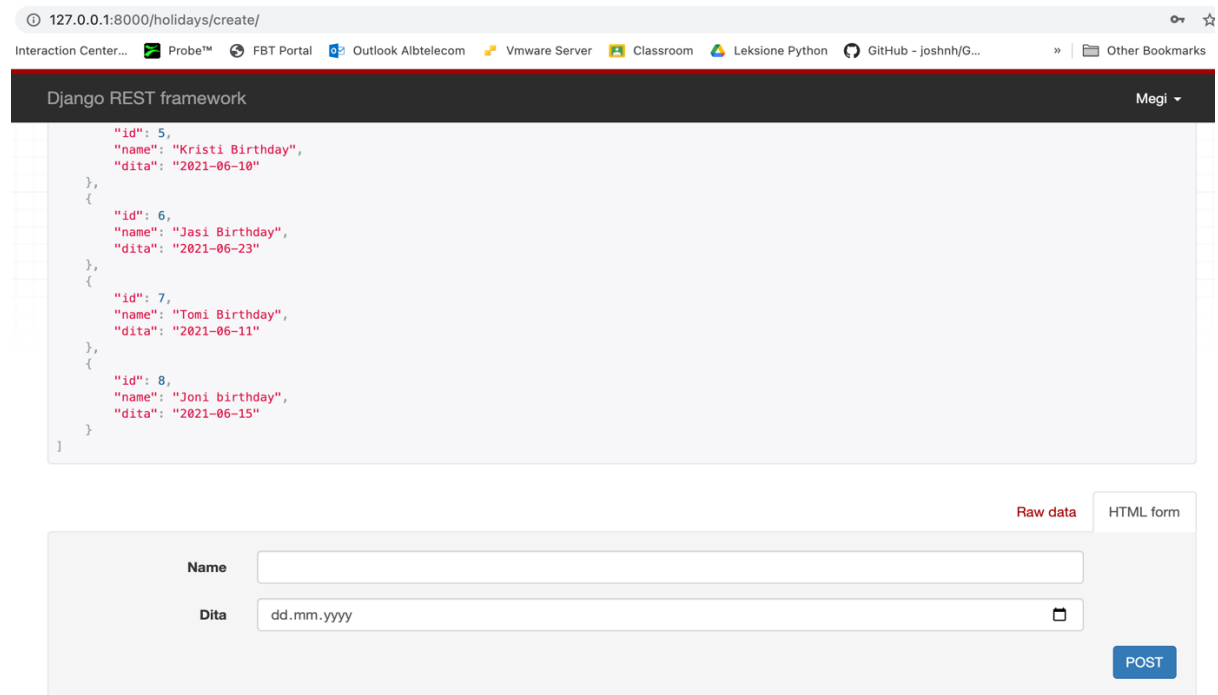


```
HTTP 200 OK
Allow: GET, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

[
  {
    "id": 1,
    "name": "Dita e Kurban Bajramit",
    "dita": "2021-07-20"
  },
  {
    "id": 2,
    "name": "Dita e Shenjtërimit të Shenjt Terezës",
    "dita": "2021-09-06"
  },
  {
    "id": 3,
    "name": "My Birthday",
    "dita": "2021-07-16"
  },
  {
    "id": 4,
    "name": "Megi Birthday",
    "dita": "2021-08-05"
  }
]
```

<http://127.0.0.1:8000/holidays/create/>

create ben shtimin e diteve pushim. Ndryshe nga HolidaysView per ti shtuar duhen permission pasi nuk ka sens qe te gjithë te kene mundesi qe te shtojne ditet e pushimit. Holidays days mund te shtohen vetem nga HR. Po te shikohet me vemendje jam loguar me nje account Megi -> e cila eshte Hr\_specialist.



```
{
  "id": 5,
  "name": "Kristi Birthday",
  "dita": "2021-06-10"
}
```

Raw data HTML form

Name

Dita

POST

<http://127.0.0.1:8000/role/>

Jepet Lista e roleve dhe mundesia per te shtuar rol te ri. Ka te drejta vetem Hr\_specialist

127.0.0.1:8000/role/

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Django REST framework Megi ▾

GET /role/

HTTP 200 OK  
Allow: GET, POST, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
[
  {
    "id": 1,
    "name": "Senior_Specialist"
  },
  {
    "id": 2,
    "name": "Specialist"
  },
  {
    "id": 3,
    "name": "Manager"
  },
  {
    "id": 5,
    "name": "Team_Lider"
  }
]
```

Raw data HTML form

Name

<http://127.0.0.1:8000/role/1/>

role<int:pk> kap vetem nje nga rolet duke u bazuar te pk e objektit. Ketu Hr\_ka te drejta te shtojte, te ndryshoje, te fshije cdo element te roleve

127.0.0.1:8000/role/1/

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Django REST framework Megi ▾

Role Serializers List / Role Serializer Retrive Destroy

Role Serializer Retrive Destroy DELETE OPTIONS GET ▾

GET /role/1/

HTTP 200 OK  
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
{
  "id": 1,
  "name": "Senior_Specialist"
}
```

Raw data HTML form

Name

PUT

<http://127.0.0.1:8000/role/user/>

Ketu listohen krijohet rolet per cdo user. Pasi nje nga kushtet ishte qe te krijohet role te ndryshme per nje user.

127.0.0.1:8000/role/user/

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Django REST framework Megi ▾

Role Serializers List / User Role Serializers List

## User Role Serializers List

OPTIONS GET ▾

GET /role/user/

HTTP 200 OK  
Allow: GET, POST, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
[
  {
    "id": 1,
    "name": "IT_Manager",
    "roli": 3,
    "user_id": 1
  },
  {
    "id": 2,
    "name": "Hr_specialist",
    "roli": 2,
    "user_id": 2
  },
  {
    "id": 3,
    "name": "Develop_Team",
    "roli": 1,
    "user_id": 3
  }
]
```

<http://127.0.0.1:8000/role/user/1/>

Po ashtu si rolet/ edhe UserRole me <int:pk> kapet nje nga UserRolet e krijuara. Edhe ketu mund te behen Update/Retrive/Destroy(delete) per nje element specifik

127.0.0.1:8000/role/user/1/

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Django REST framework Megi ▾

Role Serializers List / User Role Serializers List / User Role Serializer Retrive Destroy

## User Role Serializer Retrive Destroy

DELETE OPTIONS GET ▾

GET /role/user/1/

HTTP 200 OK  
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
{
  "id": 1,
  "name": "IT_Manager",
  "roli": 3,
  "user_id": 1
}
```

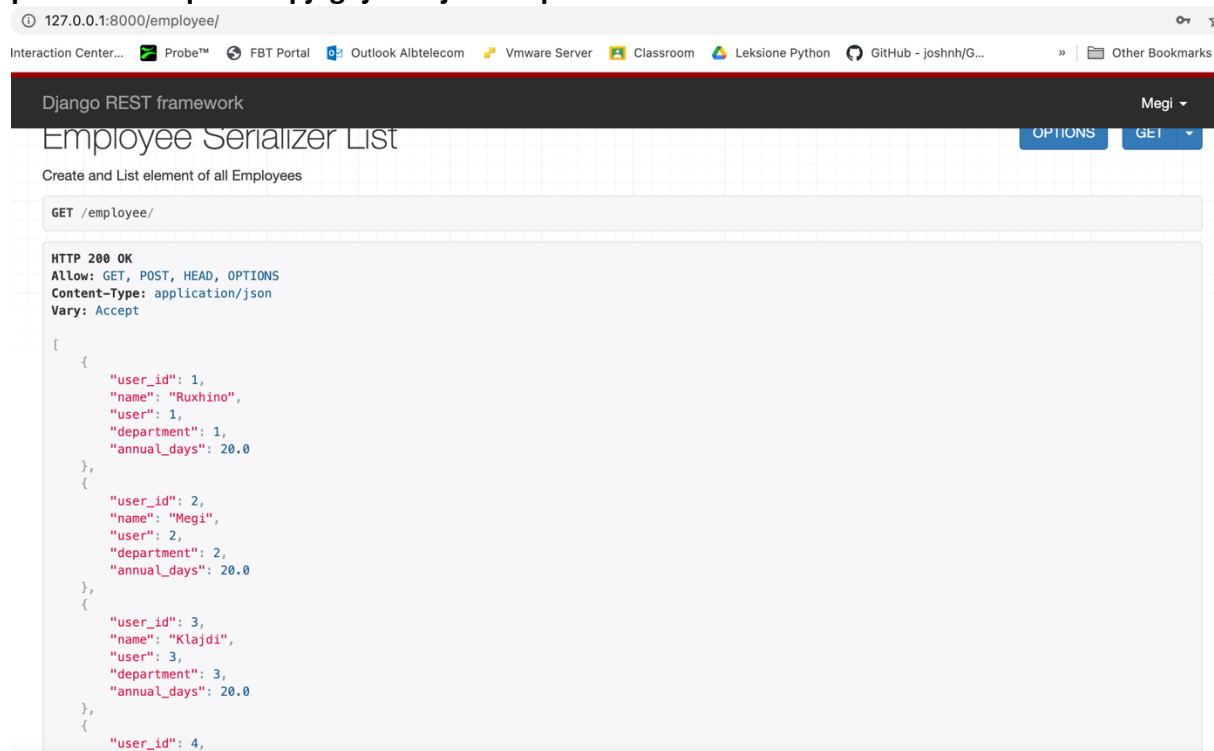
Raw data HTML form

Name	<input type="text" value="IT_Manager"/>
Roli	<input type="text" value="Manager"/>
User id	<input type="text" value="ruxhino"/>

PUT

<http://127.0.0.1:8000/employee/>

ketu shfaqet lista e employee qe serisht e shikon vetem Hr.(eshte bere qe ta shikoje vetem HR me idene qe ndoshta ne nje te ardhme mund te kete te dhena sensitive qe i perkasin vetem punonjesit vete dhe HR. Keshtu qe listen totale dhe te drejten per te shtuar e ka vetem Hr. Ama gjithsecili nga userat mund te shikoje veten e vet ne linkun pershtkrues qe do shpjegoj ne vijim me poshte.



Django REST framework

## Employee Serializer List

Options: OPTIONS GET

Create and List element of all Employees

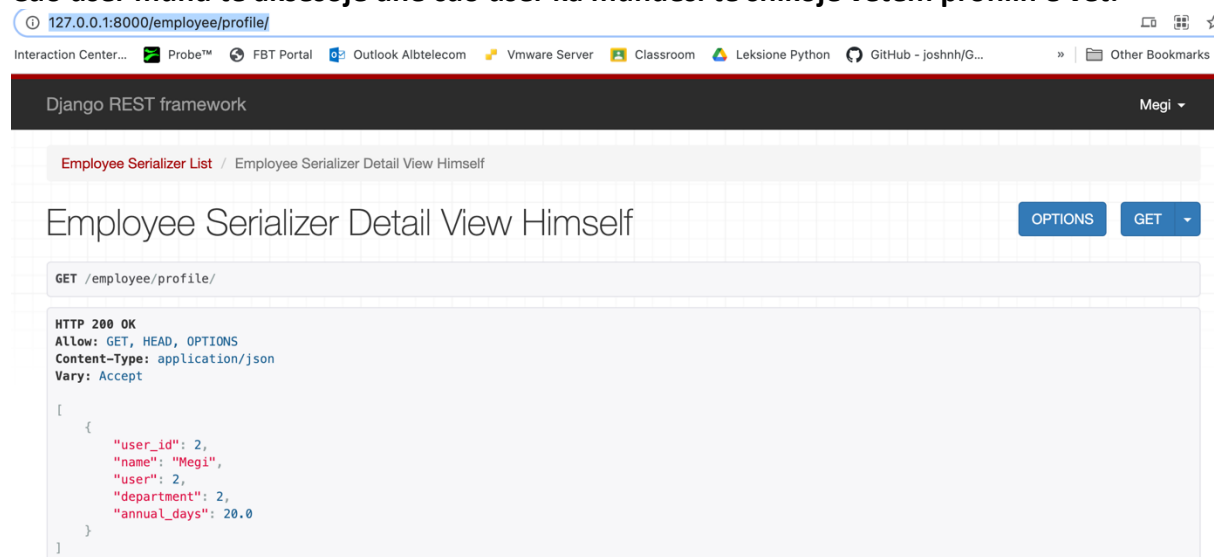
GET /employee/

HTTP 200 OK  
Allow: GET, POST, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
[
  {
    "user_id": 1,
    "name": "Ruxhino",
    "user": 1,
    "department": 1,
    "annual_days": 20.0
  },
  {
    "user_id": 2,
    "name": "Megi",
    "user": 2,
    "department": 2,
    "annual_days": 20.0
  },
  {
    "user_id": 3,
    "name": "Klajdi",
    "user": 3,
    "department": 3,
    "annual_days": 20.0
  },
  {
    "user_id": 4,
    "name": "Megi",
    "user": 4,
    "department": 4,
    "annual_days": 20.0
  }
]
```

<http://127.0.0.1:8000/employee/profile/>

Cdo user mund te aksesoj dhe cdo user ka mundesi te shikoje vetem profilin e vet.



Django REST framework

## Employee Serializer Detail View Himself

Options: OPTIONS GET

Employee Serializer List / Employee Serializer Detail View Himself

GET /employee/profile/

HTTP 200 OK  
Allow: GET, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
[
  {
    "user_id": 2,
    "name": "Megi",
    "user": 2,
    "department": 2,
    "annual_days": 20.0
  }
]
```

<http://127.0.0.1:8000/employee/2>

Po ashtu eshte edhe nje menyre tjeter per te aksesuar profilin tend... Por kjo behet duke ditur User\_id ne tende. Pasi cdo user mund te shikojë vetem employe/<pk> --> ku <pk> eshte id e vete atij user.

127.0.0.1:8000/employee/2

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Django REST framework Megi ▾

Employee Serializer List / Employee Serializer Detail

## Employee Serializer Detail

View Detail on Employee, Update, Delete

GET /employee/2

```
HTTP 200 OK
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

{
  "user_id": 2,
  "name": "Megi",
  "user": 2,
  "department": 2,
  "annual_days": 20.0
}
```

<http://127.0.0.1:8000/employee/add>

Ketu Hr ka mundesine qe te shtojë user

127.0.0.1:8000/employee/add/

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Django REST framework Megi ▾

Employee Serializer List / Employee Serializer Create Api

## Employee Serializer Create Api

GET /employee/add/

```
HTTP 405 Method Not Allowed
Allow: POST, OPTIONS
Content-Type: application/json
Vary: Accept

{
  "detail": "Method \"GET\" not allowed."
}
```

Raw data HTML form

Name

User

Department

Annual days

o-rest-framework.org POST



<http://127.0.0.1:8000/employee/update/1/>

Ne kete link te drejta ka vetem Hr\_emp. Ketu Hr mund te beje update delete dhe retrieve per cdo antar por ai nuk mund te beje ndryshime ne profilin e vet.

127.0.0.1:8000/employee/update/1/

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Django REST framework Megi ▾

Employee Serializer List / Employee Serializer Update Delete Retrieve

## Employee Serializer Update Delete Retrieve

DELETE OPTIONS GET ▾

GET /employee/update/1/

```
HTTP 200 OK
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

{
  "user_id": 1,
  "name": "Ruxhino",
  "user": 1,
  "department": 1,
  "annual_days": 20.0
}
```

Raw data HTML form

Name	<input type="text" value="Ruxhino"/>
User	<input type="text" value="ruxhino"/>
Department	<input type="text" value="IT"/>

Sic vihet re edhe pse Megi eshte Hr ajo vetem mund te shkoje te dhenat e veta dhe jo ti ndryshoje. Kurse userat e tjere nuk i shikojne dot as te dhenat e veta.

127.0.0.1:8000/employee/update/2/

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Django REST framework Megi ▾

Employee Serializer List / Employee Serializer Update Delete Retrieve

## Employee Serializer Update Delete Retrieve

OPTIONS GET ▾

GET /employee/update/2/

```
HTTP 200 OK
Allow: GET, PUT, PATCH, DELETE, HEAD, OPTIONS
Content-Type: application/json
Vary: Accept

{
  "user_id": 2,
  "name": "Megi",
  "user": 2,
  "department": 2,
  "annual_days": 20.0
}
```

<http://127.0.0.1:8000/leje/>

Ne kete link shfaqen te gjitha KERKESAT per Lejet qe kane bere employee te ndryshem dhe shikohen ndryshe nga UserRole te ndryshme...

1. Useri, i cili ne listen e UserRoleve NUK permбан (Hr ose Manager) Shikon vetem Kersesat per Leje qe ka bere vete.
2. Useri i cili ne listen e UserRoleve nder te tjera permбан Manager shikon vetem :
  - i) Kerkusat e veta
  - ii) kerkusat te cilat jane bere nga Employees te cilet jane te regjistruar ne Departamentin ku ky i fundit eshte Manager.
3. Useri i cili ne listen e UserRoleve nder te tjera permбан HR shikon vetem:
  - 1) Kerkusat e veta
  - 2) Kerkusat e te gjith Employee qe kane te pakten nje UserRole si Manager
4. Useri i cili ne listen e UserRoleve permбан HR dhe Manager shikon:
  - 1) Kerkusat e veta.
  - 2) Kerkusat e gjith Hr-ve
  - 3) Kerkusat e gjith Managerve

<http://127.0.0.1:8000/leje/create/>

Ne kete link krijohet leje. Dhe leje kane te drejte te krijojne te gjith userat(employee)

127.0.0.1:8000/leje/create/

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Django REST framework Jasi ▾

[Leje Serializer List](#) / [Leje Serializer Create](#)

## Leje Serializer Create OPTIONS

GET /leje/create/

```
HTTP 405 Method Not Allowed
Allow: POST, OPTIONS
Content-Type: application/json
Vary: Accept

{
  "detail": "Method \"GET\" not allowed."
}
```

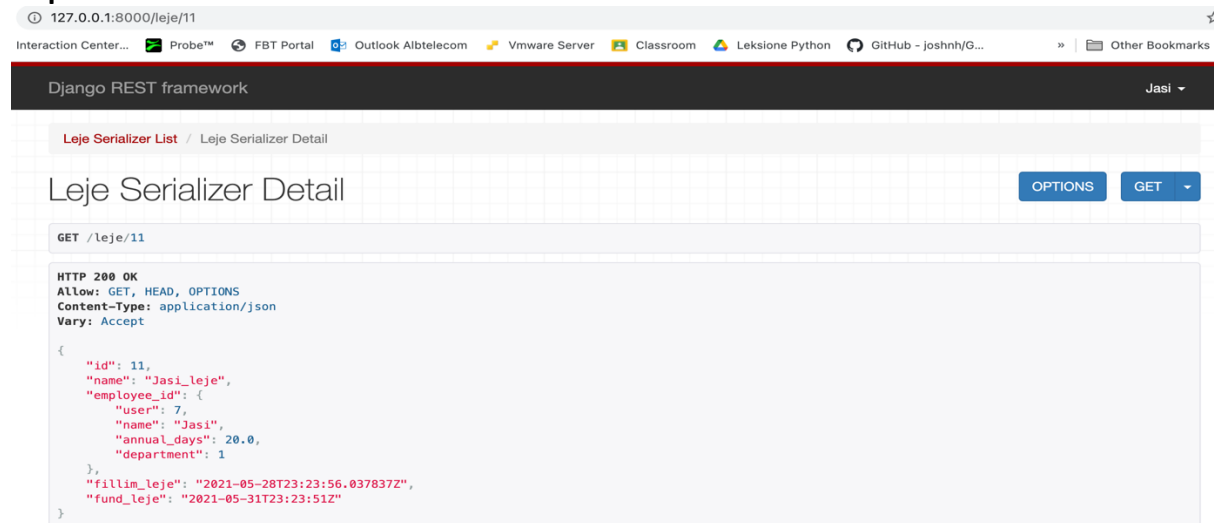
Raw data HTML form

Name	<input type="text"/>
Fillim leje	<input type="text" value="dd.mm.yyyy, --:-- --"/>
Fund leje	<input type="text" value="dd.mm.yyyy, --:-- --"/>

POST

<http://127.0.0.1:8000/leje/11>

Kjo eshte detail View. Ndoshta nuk eshte e rendesishme pasi kete pjese e heq pjesa me siper. Por gjithsesi nqs user deshiron te shikoj specifikisht nje leje atehere gjithsekush mund te shikoj specifikisht lejen vetem nqs leja eshte krijuar nga vete personi qe po ben requestin.



<http://127.0.0.1:8000/leje/pranim>

Kjo eshte nje forme pranimi i nje Kerkese per leje. Karakteristikat e kesaj jane:

1. Linku eshte i aksesueshem vetem per ata request.user ku te pakten nje nga UserRolet eshte Hr ose Manager.
2. Useri if request.user eshte Manager atehere ai aprovom te gjitha lejet qe jane bere nga Employee te cilet jane pjese te departamentit te vet.
3. User Manager nuk aprovon dot Lejen e krijuar nga vete ai, apo nuk aprovon dot lejet qe jane krijuar nga employee qe nuk jane pjese e departamentit te tij.
4. Nqs resques.user eshte HR atehere ai mund te aprovoje te gjitha lejet qe jane krijuar nga UserRole Manager.
5. HR nuk aprovon dot kerkesat per leje te userave qe nuk jane Manager As Kerkesat qe ai mund te kete krijuar vete.
6. Nqs request.user eshte HR dhe Manager atehere ai mund te aprovoje te gjitha kerkesat e ardhura nga employe role Manager, si dhe te gjith ata qe jane ne departamentin Hr(specialist)
7. Po ashtu ai nuk aprovon dot lejet e employerave qe nuk jane manager dhe nuk jane pjese e departamentit te Hr si dhe nuk e aprovon dot lejen e vetes se vet.
8. Nqs plotesohet kushtet e mesiperme (pra useri eshte manager ose hr dhe po aprovon lejen e nje useri qe ka akses qe ta pranoje), Aprovimi per leje refuzohet automatikisht nga sistemi nqs Employerit te te cilit po i aprovohet leja, ka kerkuar leje me shume sesa ka dit/ore te mbetura. Shembull: nqs useri ka edhe 48 ore leje vjetore dhe ai kerkon 3 dit => 72 ore. Atehere sistemi nxjerr nje messazh errori dhe nuk behet ruajtja ne database.
9. Edhe nqs plotesohen kushte e mesiperme, per nje leje nuk mund te kete 2 aprovime leje. Lidhja eshte OneToOne.
10. Ne castin qe Manager/Hr ben aprovimin e lejes, automatikisht ne database behen zbritje oret e lejes per Employerin te cilit ju aprovua leja.

127.0.0.1:8000/leje/pranim

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Django REST framework ruxhino

## Pranim Refuzim Create Api

OPTIONS

GET /leje/pranim

HTTP 405 Method Not Allowed  
Allow: POST, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
{
  "detail": "Method \"GET\" not allowed."
}
```

Raw data HTML form

Name

Koment

Status ☐

Leje

Manager

POST

<http://127.0.0.1:8000/leje/status>

Gjithsekush mund te shikoje statusin e lejes se vet. Nqs ai nuk ka krijuar leje, apo leja eshte ne status(pending) nuk eshte pranuar apo refuzuar nga useri, athere ai nk e shikon dot gje.

127.0.0.1:8000/leje/status

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Django REST framework ruxhino

Leje Serializer List / Pranim Refuzim Api

## Pranim Refuzim Api

OPTIONS GET

GET /leje/status

HTTP 200 OK  
Allow: GET, HEAD, OPTIONS  
Content-Type: application/json  
Vary: Accept

```
[
  {
    "name": "Ruxhino Aprovim",
    "koment": "U Aprovua",
    "status": true,
    "leje": 2,
    "manager": 2
  },
  {
    "name": "ruxhinno 2 aprovim leje",
    "koment": "Nuk u aprovua",
    "status": false,
    "leje": 13,
    "manager": 2
  }
]
```