

Uji Fungsionalitas – Soal B.b

Soal:

Buatkan module baru di Odoo dengan field sebagai berikut:

1. Nama (char)
2. Tanggal (datetime)
3. Tipe (selection: Check In / Check Out)
4. Longitude (float)
5. Latitude (float)

Kemudian buatkan API untuk dikonsumsi oleh aplikasi lain.

1. GET.

Query params:

- start date
- end date

Response:

```
{  
    Code: 200  
    Message: "Success"  
    Data: [{  
        "nama": "Nama",  
        "tanggal": "Tanggal",  
        "tipe": "Tipe"  
        "longitude": "Longitude",  
        "latitude": "Latitude"  
    }]  
}
```

2. POST

Body:

```
{  
    "nama": "Nama",  
    "tanggal": "Tanggal",  
    "tipe": "Tipe"  
    "longitude": "Longitude",  
    "latitude": "Latitude"  
}
```

Response:

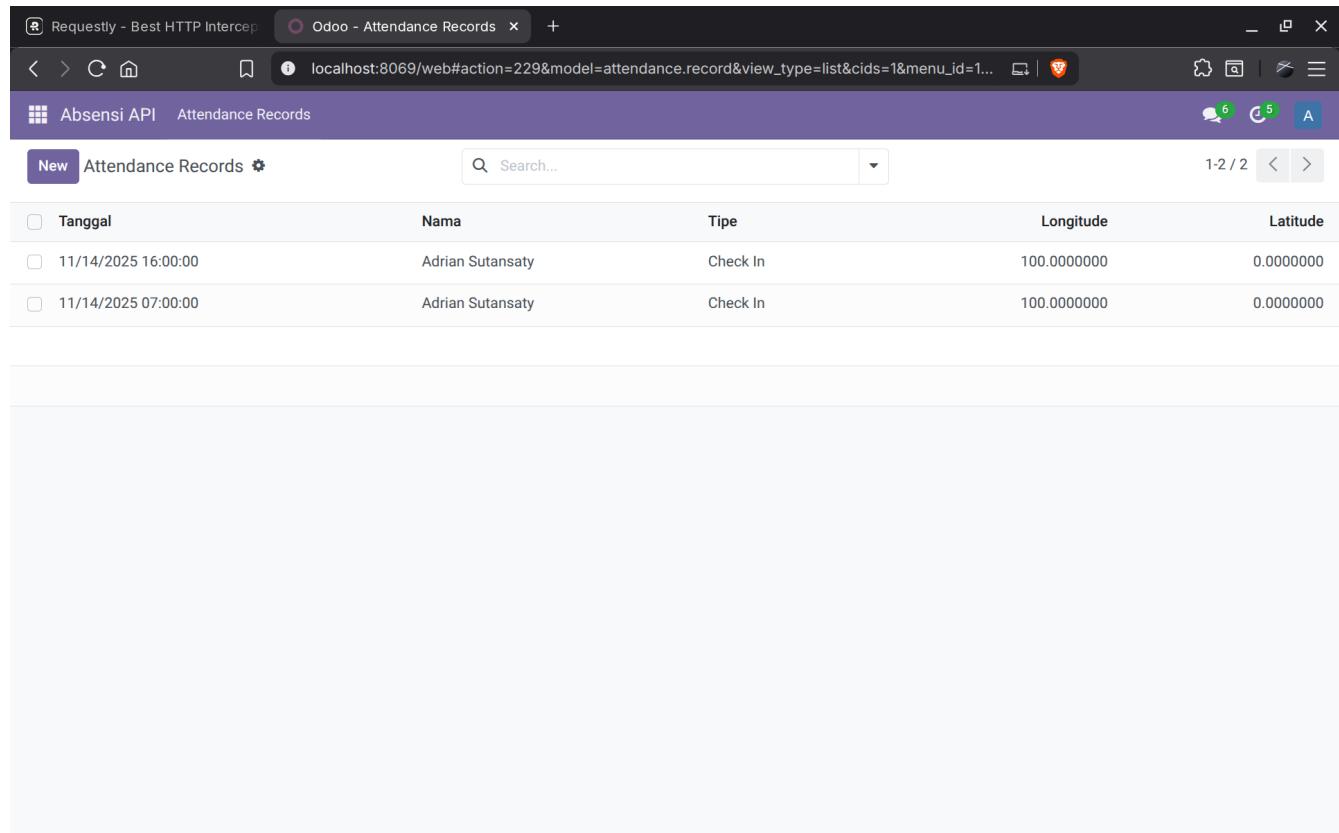
```
{  
    Code: 200  
    Message: "Success"  
}
```

Untuk kedua request tersebut, harap tambahkan metode autentikasi (metode nya bebas yang menurut Anda secure)

Pengujian:

1. Modul yg terdiri dari:

1. Nama (char)
2. Tanggal (datetime)
3. Tipe (selection: Check In / Check Out)
4. Longitude (float)
5. Latitude (float)

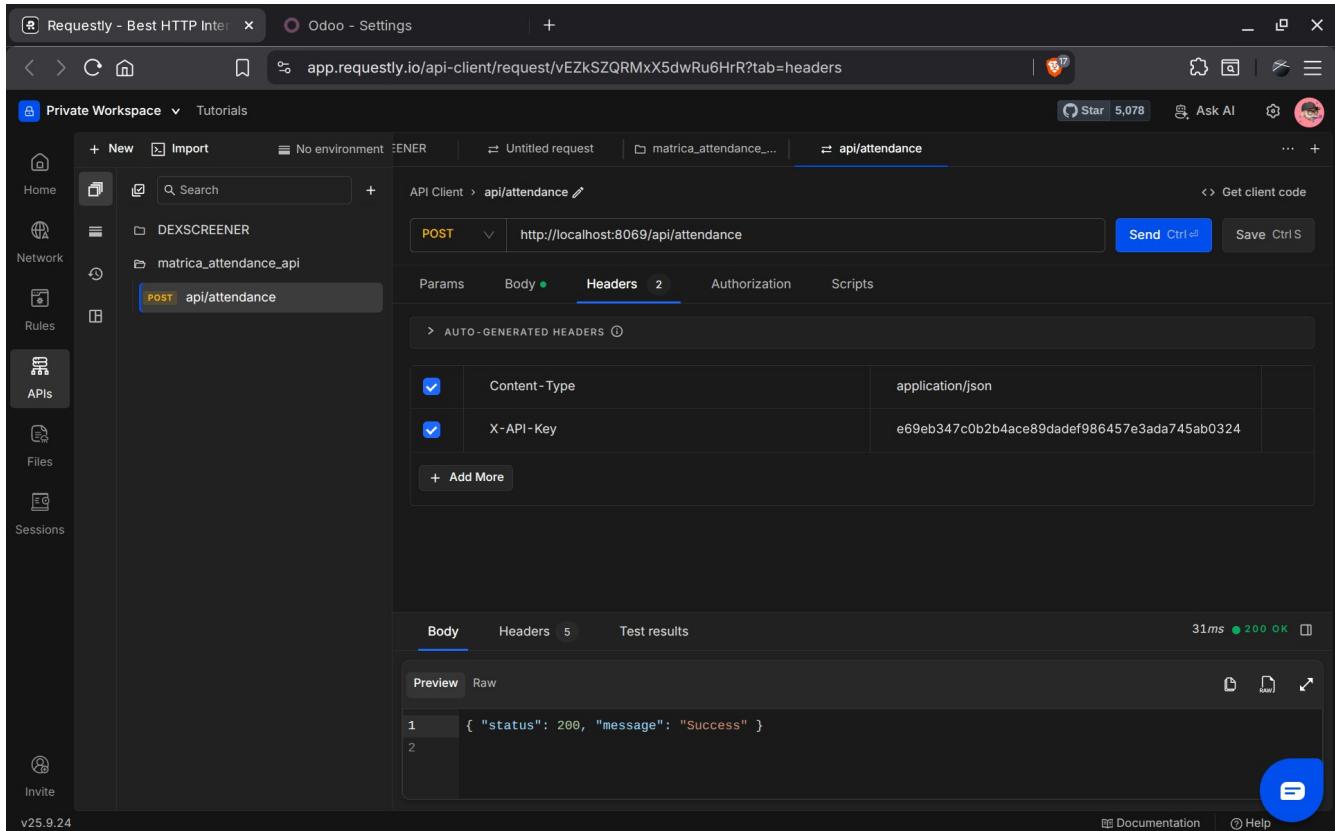


The screenshot shows a web browser window with the URL `localhost:8069/web#action=229&model=attendance.record&view_type=list&cids=1&menu_id=1...`. The page title is "Odoo - Attendance Records". The main content is a table titled "Attendance Records" with the following data:

<input type="checkbox"/> Tanggal	Nama	Tipe	Longitude	Latitude
<input type="checkbox"/> 11/14/2025 16:00:00	Adrian Sutansaty	Check In	100.0000000	0.0000000
<input type="checkbox"/> 11/14/2025 07:00:00	Adrian Sutansaty	Check In	100.0000000	0.0000000

2. Pengujian Endpoint

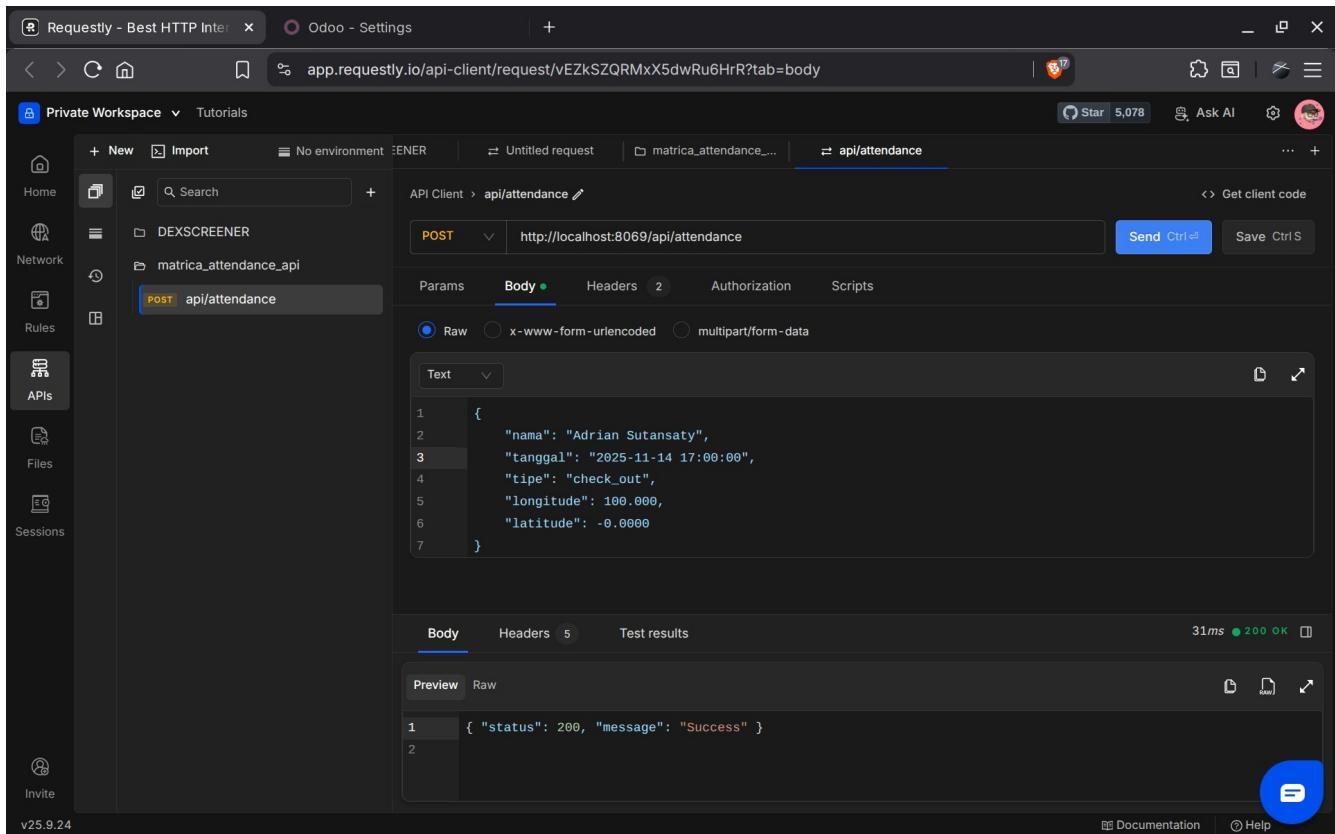
Tambahan: saya menambahkan field “api_key” sebagai inheritance dari model User, untuk digunakan sebagai metode autentifikasi yang aman karena key tiap user berbeda-beda sehingga dapat meningkatkan keamanan & mencegah penyalahgunaan.



The screenshot shows the Requestly interface with a POST request to `http://localhost:8069/api/attendance`. The Headers tab shows two entries: `Content-Type: application/json` and `X-API-Key: e69eb347c0b2b4ace89dade986457e3ada745ab0324`. The Body tab displays a JSON response with the following content:

```
{ "status": 200, "message": "Success" }
```

Pengujian POST /api/attendance sebagai skenario mensubmit absensi (check_in & check_out)



The screenshot shows the Requestly interface with a POST request to `http://localhost:8069/api/attendance`. The Body tab is set to `Raw` and contains the following JSON payload for a `check_out` submission:

```
{
  "nama": "Adrian Sutansaty",
  "tanggal": "2025-11-14 17:00:00",
  "tipe": "check_out",
  "longitude": 100.000,
  "latitude": -0.0000
}
```

The Headers tab shows `Content-Type: application/json` and `X-API-Key: e69eb347c0b2b4ace89dade986457e3ada745ab0324`. The Body tab displays a JSON response with the following content:

```
{ "status": 200, "message": "Success" }
```

Pengujian GET /api/attendance sebagai skenario mengecek absensi

The screenshot shows the Requestly API Client interface. On the left sidebar, under the 'APIs' section, there is a 'matrica_attendance_api' entry with a 'GET /api/attendance' endpoint selected. The main panel displays a 'DEXSCREENER' tab with an 'Untitled request'. A 'Params' tab is active, showing two query parameters: 'start_date' set to '2025-11-14 09:00:00' and 'end_date' set to '2025-11-14 17:00:00'. The 'Body' tab shows a JSON response with status 200, message 'Success', and data containing two entries for 'Adrian Sutansaty' with check-in and check-out details. The 'Headers' tab shows five headers. The 'Test results' tab at the bottom indicates a 20ms response time and a green '200 OK' status.

Uji Skenario GAGAL jika api key salah

The screenshot shows the Requestly API Client interface. On the left sidebar, under the 'APIs' section, there is a 'matrica_attendance_api' entry with a 'POST /api/attendance' endpoint selected. The main panel displays a 'DEXSCREENER' tab with an 'Untitled request'. A 'Headers' tab is active, showing two headers: 'Content-Type' set to 'application/json' and 'X-API-Key' set to 'INISALAHe69eb347c0b2b4ace89dade9f986457e3ada74'. The 'Body' tab shows a JSON response with status 401, message 'Unauthorized: Invalid or missing API Key', and a red '401 UNAUTHORIZED' status indicator. The 'Headers' tab shows five headers. The 'Test results' tab at the bottom indicates a 18ms response time and a red '401 UNAUTHORIZED' status.