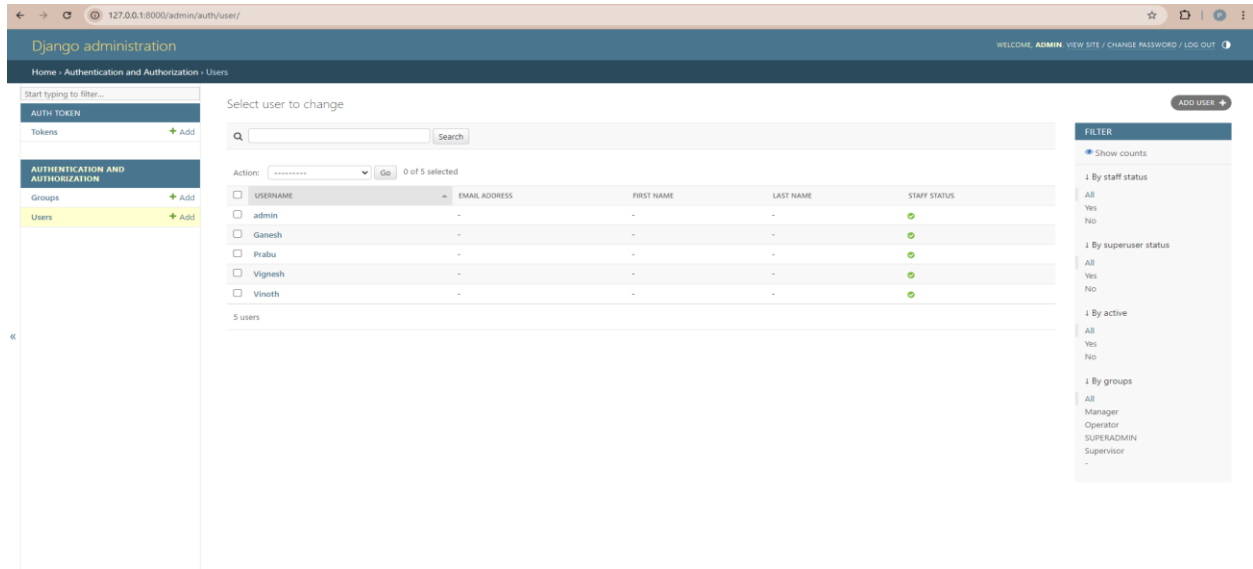


1. I Have created the Django admin username: admin pass :admin@123 and I am created the 4 users based on that User groups



I have created the machine data based on Django models and datas are inserted into based on part 1 assignment requirement.

Query: `SELECT * FROM public.api_machine ORDER BY id ASC`

	id [PK] bigint	machine_id bigint	machine_name character varying (100)	tool_capacity integer	tool_offset double precision	feedrate double precision	tool_in_use integer
1	1	81258857	EMPX1	24	32.22737664414299	11389	14
2	2	81258858	EMPX2	24	20.676790431438988	16571	11
3	3	81258859	EMPX3	24	33.8102626579076	10345	17
4	4	81258860	EMPX4	24	25.439983498958107	18374	4
5	5	81258861	EMPX5	24	17.491891046413574	18492	5
6	6	81258862	EMPX6	24	28.783127754484134	15590	12
7	7	81258863	EMPX7	24	22.090824000723906	13476	23
8	8	81258864	EMPX8	24	28.342486216005618	17770	14
9	9	81258865	EMPX9	24	18.908271514602284	14630	4
10	10	81258866	EMPX10	24	5.228130110897544	17148	14
11	11	81258867	EMPX11	24	22.450260971603623	10589	5
12	12	81258868	EMPX12	24	5.36043853650145	18055	2
13	13	81258869	EMPX13	24	39.155042420667655	15217	9
14	14	81258870	EMPX14	24	8.460862119584192	13282	9
15	15	81258871	EMPX15	24	29.362662093202026	12176	7
16	16	81258872	EMPX16	24	29.167203256160164	12932	19
17	17	81258873	EMPX17	24	8.379230819634678	18401	8
18	18	81258874	EMPX18	24	25.836182167792703	14925	18
19	19	81258875	EMPX19	24	37.64645380417549	14312	10
20	20	81258876	EMPX20	24	7.019554345566005	16175	14

public.api_axis/machine_data/postgres@PostgreSQL 16

Query Query History

```
1 SELECT * FROM public.api_axis  
2 ORDER BY id ASC
```

Data Output Messages Notifications

	axis_name character varying(10)	max_acceleration double precision	max_velocity double precision	actual_position double precision	target_position double precision	distance_to_go double precision	homd boolean	acceleration double precision	velocity double precision	machine_id bigint	timestamp timestamp with time zone
1	X	200	60	183.6219249610682	141.47643772897283	-42.14548723209538	false	32	21	1	2024-10-04 15:40:09.524196+05:30
2	Y	200	60	184.17307356336687	15.223580390321274	-168.9494931730456	false	18	74	1	2024-10-04 15:40:09.526192+05:30
3	Z	200	60	-69.97628995357164	138.63514277645362	208.61143273002526	false	125	25	1	2024-10-04 15:40:09.527189+05:30
4	A	200	60	54.50344992526897	44.332027073695116	-10.171422851573851	false	67	53	1	2024-10-04 15:40:09.528186+05:30
5	C	200	60	71.63319440793026	159.32727830811285	87.69408390018259	false	4	41	1	2024-10-04 15:40:09.53018+05:30
6	X	200	60	30.312982969311195	5.556874080303885	-24.75610890900731	false	102	57	2	2024-10-04 15:40:09.531178+05:30
7	Y	200	60	-187.86583248475134	-95.51502301777963	92.35080946697171	false	114	42	2	2024-10-04 15:40:09.532176+05:30
8	Z	200	60	141.45786761321278	-77.89806194485907	-219.35592955807186	true	109	60	2	2024-10-04 15:40:09.53417+05:30
9	A	200	60	51.23784666367615	88.49724431671211	37.25939765303596	true	43	56	2	2024-10-04 15:40:09.535167+05:30
10	C	200	60	86.15379481447883	-131.70699431434798	-217.8607891288268	false	114	63	2	2024-10-04 15:40:09.536164+05:30
11	X	200	60	-116.54577871903261	-7.0561484337419245	109.48963028529069	false	29	59	3	2024-10-04 15:40:09.537162+05:30
12	Y	200	60	-20.820067370488914	-91.72928901312447	-70.90922164263556	false	143	40	3	2024-10-04 15:40:09.538158+05:30
13	Z	200	60	-79.274288909347469	171.18395777742518	250.45824687089987	false	133	0	3	2024-10-04 15:40:09.539903+05:30
14	A	200	60	12.791587984222247	-58.4978447549068	-71.28943272971293	true	149	51	3	2024-10-04 15:40:09.540902+05:30
15	C	200	60	78.95948440321081	-84.09473232386438	-163.0542167270752	true	65	66	3	2024-10-04 15:40:09.541902+05:30
16	X	200	60	145.47391994667026	-53.3453949360225	-198.81931488269277	true	109	20	4	2024-10-04 15:40:09.543922+05:30
17	Y	200	60	49.67702920687361	162.62446179784524	112.94743259097163	false	0	44	4	2024-10-04 15:40:09.54492+05:30
18	Z	200	60	174.1971866298058	-58.82918887048885	-233.02637550029465	false	14	58	4	2024-10-04 15:40:09.545889+05:30
19	A	200	60	177.1888360555805	8.70996958991337	-168.47886609658917	false	121	75	4	2024-10-04 15:40:09.546914+05:30
20	C	200	60	39.469476630472144	4.272236607032935	-35.19724056343921	false	149	2	4	2024-10-04 15:40:09.547886+05:30
21	X	200	60	-136.51718072271325	-116.76324912047707	19.75393160223618	true	28	24	5	2024-10-04 15:40:09.535696+05:30

Total rows: 100 of 100 Query complete 00:00:00.275 Ln 1, Col

Here while I am login at the time showing the access and refresh token

Now in this url <http://127.0.0.1:8000/api/machines/> its showing the all machine datas

http://127.0.0.1:8000/api/machines/

GET http://127.0.0.1:8000/api/machines/ Send

Params Authorization Headers (8) Body Scripts Settings Cookies

Auth Type: Bearer Token Token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...

The authorization header will be automatically generated when you send the request. Learn more about [Bearer Token](#) authorization.

Body Cookies (1) Headers (10) Test Results 200 OK · 35 ms · 3.09 KB Save Response

Pretty Raw Preview Visualize

```
[{"id":1,"machine_id":81258857,"machine_name":"EMPX1","tool_capacity":24,"tool_offset":32.22737664414299,"feedrate":11389.0,"tool_in_use":14}, {"id":2,"machine_id":81258858,"machine_name":"EMPX2","tool_capacity":24,"tool_offset":20.676790431438988,"feedrate":16571.0,"tool_in_use":11}, {"id":3,"machine_id":81258859,"machine_name":"EMPX3","tool_capacity":24,"tool_offset":33.8102626579076,"feedrate":10345.0,"tool_in_use":17}, {"id":4,"machine_id":81258860,"machine_name":"EMPX4","tool_capacity":24,"tool_offset":25.439983498958107,"feedrate":18374.0,"tool_in_use":4}, {"id":5,"machine_id":81258861,"machine_name":"EMPX5","tool_capacity":24,"tool_offset":17.491891046413574,"feedrate":18492.0,"tool_in_use":5}, {"id":6,"machine_id":81258862,"machine_name":"EMPX6","tool_capacity":24,"tool_offset":28.783127754484134,"feedrate":15590.0,"tool_in_use":12}, {"id":7,"machine_id":81258863,"machine_name":"EMPX7","tool_capacity":24,"tool_offset":22.090824000723906,"feedrate":13476.0,"tool_in_use":23}, {"id":8,"machine_id":81258864,"machine_name":"EMPX8","tool_capacity":24,"tool_offset":28.342486216005618,"feedrate":17770.0,"tool_in_use":14}, {"id":9,"machine_id":81258865,"machine_name":"EMPX9","tool_capacity":24,"tool_offset":18.908271514602284,"feedrate":14630.0,"tool_in_use":4}, {"id":10,"machine_id":81258866,"machine_name":"EMPX10","tool_capacity":24,"tool_offset":5.228130110897544,"feedrate":17148.0,"tool_in_use":14}, {"id":11,"machine_id":81258867,"machine_name":"EMPX11","tool_capacity":24,"tool_offset":22.450260971603623,"feedrate":10589.0,"tool_in_use":5}, {"id":12,"machine_id":81258868,"machine_name":"EMPX12","tool_capacity":24,"tool_offset":5.36043853650145,"feedrate":18055.0,"tool_in_use":2}, {"id":13,"machine_id":81258869,"machine_name":"EMPX13","tool_capacity":24,"tool_offset":39.155042420667655,"feedrate":15217.0,"tool_in_use":9}, {"id":14,"machine_id":81258870,"machine_name":"EMPX14","tool_capacity":24,"tool_offset":8.460862119584192,"feedrate":13282.0,"tool_in_use":9}, {"id":15,"machine_id":81258871,"machine_name":"EMPX15","tool_capacity":24,"tool_offset":29.362662093202026,"feedrate":12176.0,"tool_in_use":7}, {"id":16,"machine_id":81258872,"machine_name":"EMPX16","tool_capacity":24,"tool_offset":29.167203236160164,"feedrate":12932.0,"tool_in_use":19}, {"id":17,"machine_id":81258873,"machine_name":"EMPX17","tool_capacity":24,"tool_offset":8.379230819634678,"feedrate":18401.0,"tool_in_use":8}, {"id":18,"machine_id":81258874,"machine_name":"EMPX18","tool_capacity":24,"tool_offset":5.926187167707703,"feedrate":11015.0,"tool_in_use":10}, {"id":19,"machine_id":81258875,"machine_name":"EMPX19","tool_capacity":24,"tool_offset":37.64645386417549,"feedrate":14312.0,"tool_in_use":10}]
```

Now in this url <http://127.0.0.1:8000/api/machines/19> displaying the only 19 th machine value

http://127.0.0.1:8000/api/machines/19

GET http://127.0.0.1:8000/api/machines/19 Send

Params Authorization Headers (8) Body Scripts Settings Cookies

Auth Type: Bearer Token Token: eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...

The authorization header will be automatically generated when you send the request. Learn more about [Bearer Token](#) authorization.

Body Cookies (1) Headers (10) Test Results 200 OK · 35 ms · 465 B Save Response

Pretty Raw Preview Visualize JSON View

```
1 {
2   "id": 19,
3   "machine_id": 81258875,
4   "machine_name": "EMPX19",
5   "tool_capacity": 24,
6   "tool_offset": 37.64645386417549,
7   "feedrate": 14312.0,
8   "tool_in_use": 10
9 }
```

Next I am updating the values in Prabu – superadmin login in this url <http://127.0.0.1:8000/api/machines/19/> using update method

The screenshot shows a REST client interface with the following details:

- URL:** `http://127.0.0.1:8000/api/machines/19/`
- Method:** PUT
- Auth Type:** Bearer Token
- Token:** `eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...`
- Body (JSON):**

```
{  "id": 19,  "machine_id": 81258875,  "machine_name": "EMPK19",  "tool_capacity": 24,  "tool_offset": 37.64645388417549,  "feedrate": 14312.8,  "tool_in_use": 12}
```
- Response:** 200 OK, 39 ms, 465 B

Here I attach the updated value showing get method

The screenshot shows a REST client interface with the following details:

- URL:** `http://127.0.0.1:8000/api/machines/19`
- Method:** GET
- Auth Type:** Bearer Token
- Token:** `eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ...`
- Body (JSON):**

```
{  "id": 19,  "machine_id": 81258875,  "machine_name": "EMPK19",  "tool_capacity": 24,  "tool_offset": 37.64645388417549,  "feedrate": 14312.8,  "tool_in_use": 12}
```
- Response:** 200 OK, 43 ms, 465 B