

# Team: NDY corp.

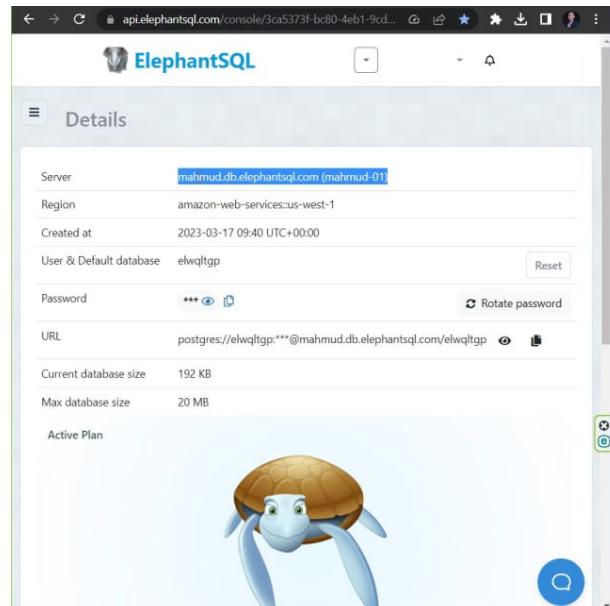
Midterm 1 Report

Date: March 19, 2023

		
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- 1) registration (data of users are to be sent to database)
- 2) Authorisation (data is checked from database)
- 3) Searching items based on name (a specific query to database based on the name written)

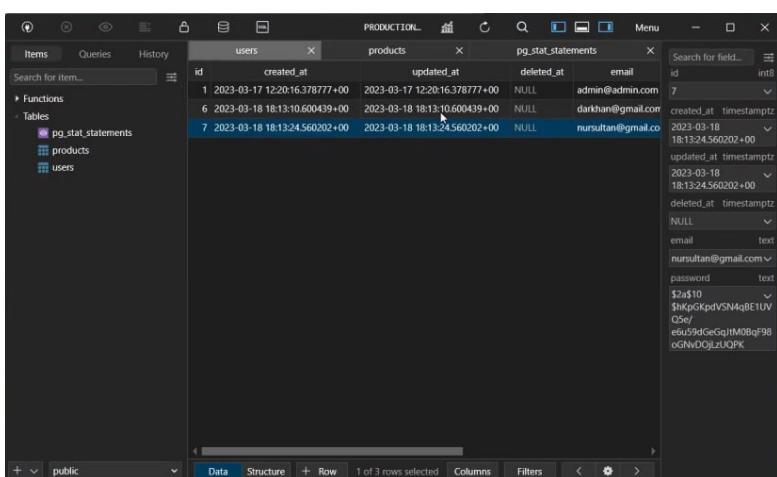
SQL created a server with user and **URL postgres**, so here in our case we connected it over port 3000 hostname and in our project hostname, password and username are identical to this also port 5032.



The screenshot shows the ElephantSQL web interface for managing PostgreSQL databases. The 'Details' tab is selected, displaying information about a database named 'mahmud'. The details include:

- Server: mahmud.db.elephantsql.com (mahmud-01)
- Region: amazon-web-services:us-west-1
- Created at: 2023-03-17 09:40 UTC+00:00
- User & Default database: elwqltgp
- Password: (redacted)
- URL: postgres://elwqltgp:\*\*\*@mahmud.db.elephantsql.com/elwqltgp
- Current database size: 192 KB
- Max database size: 20 MB

Below the details, there is a section for 'Active Plan' featuring a cartoon elephant icon.



The screenshot shows the pgAdmin interface for managing PostgreSQL databases. The 'Data' tab is selected, displaying the contents of three tables: 'users', 'products', and 'pg\_stat\_statements'. The 'users' table has the following data:

id	created_at	updated_at	deleted_at	email
1	2023-03-17 12:20:16.378777+00	2023-03-17 12:20:16.378777+00	NULL	admin@admin.com
6	2023-03-18 18:13:10.600439+00	2023-03-18 18:13:10.600439+00	NULL	darkhan@gmail.com
7	2023-03-18 18:13:24.560202+00	2023-03-18 18:13:24.560202+00	NULL	nursultan@gmail.co

Show you our database so here we have our users and products.

Also we have about 15 or 14 products here, for example java programming data analysis this would be python description also introduction to iOS programming and this was teaching Swift.

	users	products	pg_stat_statements
Items	created_at	updated_at	deleted_at
Queries			title
History			desc
Functions	2023-03-18 08:22:31.457018+00	2023-03-18 08:22:31.457018+00	NULL
Tables	2023-03-18 08:36:48.448443+00	2023-03-18 08:36:48.448443+00	title_test
pg_stat_statements	2023-03-18 18:10:42.552453+00	2023-03-18 18:10:42.552453+00	Java
products	2023-03-18 18:11:22.518224+00	2023-03-18 18:11:22.518224+00	Python
users	2023-03-18 18:11:36.859225+00	2023-03-18 18:11:36.859225+00	UI/UX
	2023-03-18 18:11:50.806104+00	2023-03-18 18:11:50.806104+00	Data A...
	2023-03-18 18:12:05.718169+00	2023-03-18 18:12:05.718169+00	Design...
	2023-03-18 18:12:31.448737+00	2023-03-18 18:12:31.448737+00	Graphic...
	2023-03-18 18:12:45.441857+00	2023-03-18 18:12:45.441857+00	3D mod...
	2023-03-18 18:14:17.669816+00	2023-03-18 18:14:17.669816+00	Introduct...
	2023-03-18 18:18:35.892617+00	2023-03-18 18:18:35.892617+00	Web pr...

Authorization / Signup

POST http://localhost:3000/signup

Params Auth Headers (9) Body Pre-req. Tests Settings

raw JSON

```

1 ... "email": "admin@admin.com",
2 ...
3 ...
4 ...

```

Sending...

Cancel

Sending request...

## Registration user

If we try to register again(**registered user**) and send this request, it will give us an error “Failed to create a user”. Why? Because this user is already registered.

Here we show all our products or courses on localhost 3000.

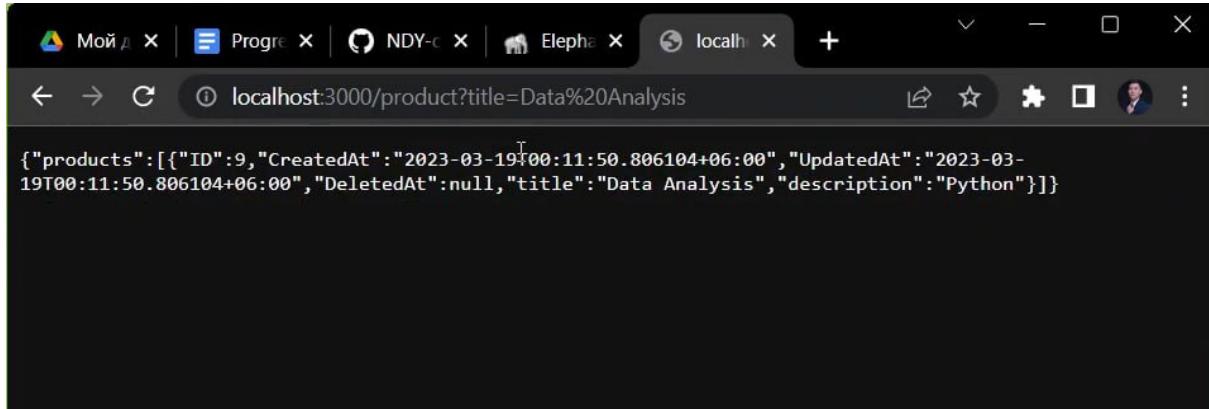
We have marked several of them with red rectangles.

```

"products": [{"ID":1,"CreatedAt":"2023-03-18T14:22:31.457018+06:00","UpdatedAt":"2023-03-18T14:22:31.457018+06:00","DeletedAt":null,"title":"","description":""}, {"ID":5,"CreatedAt":"2023-03-18T14:36:48.448443+06:00","UpdatedAt":"2023-03-18T14:36:48.448443+06:00","DeletedAt":null,"title":"title_test","description":"test_desc"}, {"ID":6,"CreatedAt":"2023-03-19T00:10:42.552453+06:00","UpdatedAt":"2023-03-19T00:10:42.552453+06:00","DeletedAt":null,"title":"Java","description":"Java programming language"}, {"ID":7,"CreatedAt":"2023-03-19T00:11:22.518224+06:00","UpdatedAt":"2023-03-19T00:11:22.518224+06:00","DeletedAt":null,"title":"Python","description":"Python programming language"}, {"ID":8,"CreatedAt":"2023-03-19T00:11:36.859225+06:00","UpdatedAt":"2023-03-19T00:11:36.859225+06:00","DeletedAt":null,"title":"UI/UX","description":"Figma"}, {"ID":9,"CreatedAt":"2023-03-19T00:11:50.806104+06:00","UpdatedAt":"2023-03-19T00:11:50.806104+06:00","DeletedAt":null,"title":"Data Analysis","description":"Python"}, {"ID":10,"CreatedAt":"2023-03-19T00:12:05.718169+06:00","UpdatedAt":"2023-03-19T00:12:05.718169+06:00","DeletedAt":null,"title":"Design for Manufacture","description":"Fusion 360"}, {"ID":11,"CreatedAt":"2023-03-19T00:12:31.448737+06:00","UpdatedAt":"2023-03-19T00:12:31.448737+06:00","DeletedAt":null,"title":"Graphic Design","description":"InDesign, Photoshop, Illustrator"}, {"ID":12,"CreatedAt":"2023-03-19T00:12:43.441857+06:00","UpdatedAt":"2023-03-19T00:12:43.441857+06:00","DeletedAt":null,"title":"3D modeling","description":"Maya"}, {"ID":13,"CreatedAt":"2023-03-19T00:14:17.669816+06:00","UpdatedAt":"2023-03-19T00:14:17.669816+06:00","DeletedAt":null,"title":"Introduction to iOS Programming","description":"Swift"}, {"ID":14,"CreatedAt":"2023-03-19T00:18:35.892617+06:00","UpdatedAt":"2023-03-19T00:18:35.892617+06:00","DeletedAt":null,"title":"Web programming front end","description":"HTML, CSS, Javascript"}, {"ID":16,"CreatedAt":"2023-03-19T01:14:53.027631+06:00","UpdatedAt":"2023-03-19T01:14:53.027631+06:00","DeletedAt":null,"title":"Mobile Programming","description":"Kotlin"}]

```

Here we show how search is working in this localhost.



A screenshot of a browser window titled "localhost:3000/product?title=Data%20Analysis". The address bar shows the URL. The main content area displays a JSON object:

```
{"products": [{"ID": 9, "CreatedAt": "2023-03-19T00:11:50.806104+06:00", "UpdatedAt": "2023-03-19T00:11:50.806104+06:00", "DeletedAt": null, "title": "Data Analysis", "description": "Python"}]}
```

INF 368

The Go programming language

Teacher: Azamat Serek

Project type: Midterm 1