Summary of work on the project-Ortal Yatzkan

When I started the exercise I had a basic knowledge of react and python.

During the exercise I first programmed in django and the first time I used the postgresql database.

I will detail how I did the exercise and what materials I used:

First step:

I searched youtube for videos about django and postgresql.

I watched the video:

https://www.youtube.com/watch?v=Pwwz4_AvHDU

You have to follow step by step to create the project and download the relevant software.

Second step:

I used the following article to create a database and to understand how it works:

https://stackpython.medium.com/how-to-start-django-project-with-a-database-postgresql-aaa1d74659d8.

Third step:

Now that I have created the project and connected to the database and understood how to use the database, I started working on the client side, for this I used the previous knowledge I have in react, java script , HTML and css.

In case there is no prior knowledge on these topics you can start by reading the site:

https://reactjs.org/docs/getting-started.html

https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/HTML_basics

https://reactjs.org/docs/react-api.html

https://reactjs.org/docs/hooks-effect.html

Fourth stage:

Now that I have finished building the page structure of the client side by using react, html and java script I started trying to send requests from client side to server, for this purpose I first ran the client side and the network side by using the following commands:

Client side: npm start

Server side: python manage.py runserver

To understand how to write client-side requests to the server and reverse I used the sites:

/https://www.freecodecamp.org/news/react-useeffect-absolute-beginners

/https://www.django-rest-framework.org

https://docs.djangoproject.com/en/4.0/ref

Fifth step:

Now that I have been able to transfer data from client to server and server to client, I have started learning how to store data on the server.

Examples that can help (Django code):

/https://codedec.com/tutorials/update-and-save-data-into-database-in-django

Step Six:

In order to search the database I used the following explanations:

/https://docs.djangoproject.com/en/4.0/topics/db/search

Step Seven:

To export the data to an excel file I used the article:

https://simpleisbetterthancomplex.com/tutorial/2016/07/29/how-to-export-to-excel.html

Installations:

Visual studio code - source-code editor:

/https://code.visualstudio.com

PG-Admin Database management:

https://www.pgadmin.org

Download PostgreSQL

https://www.enterprisedb.com/downloads/postgres-postgresql-downloads

Visual studio installations:

The directory for client API requests-

npm i axios in

npm install react-router-dom –save

There are other installations that appear in the videos and articles I mentioned.

While working on the project, I used other videos on YouTube and sites like Stackoverflow to find solutions to problems I encountered.