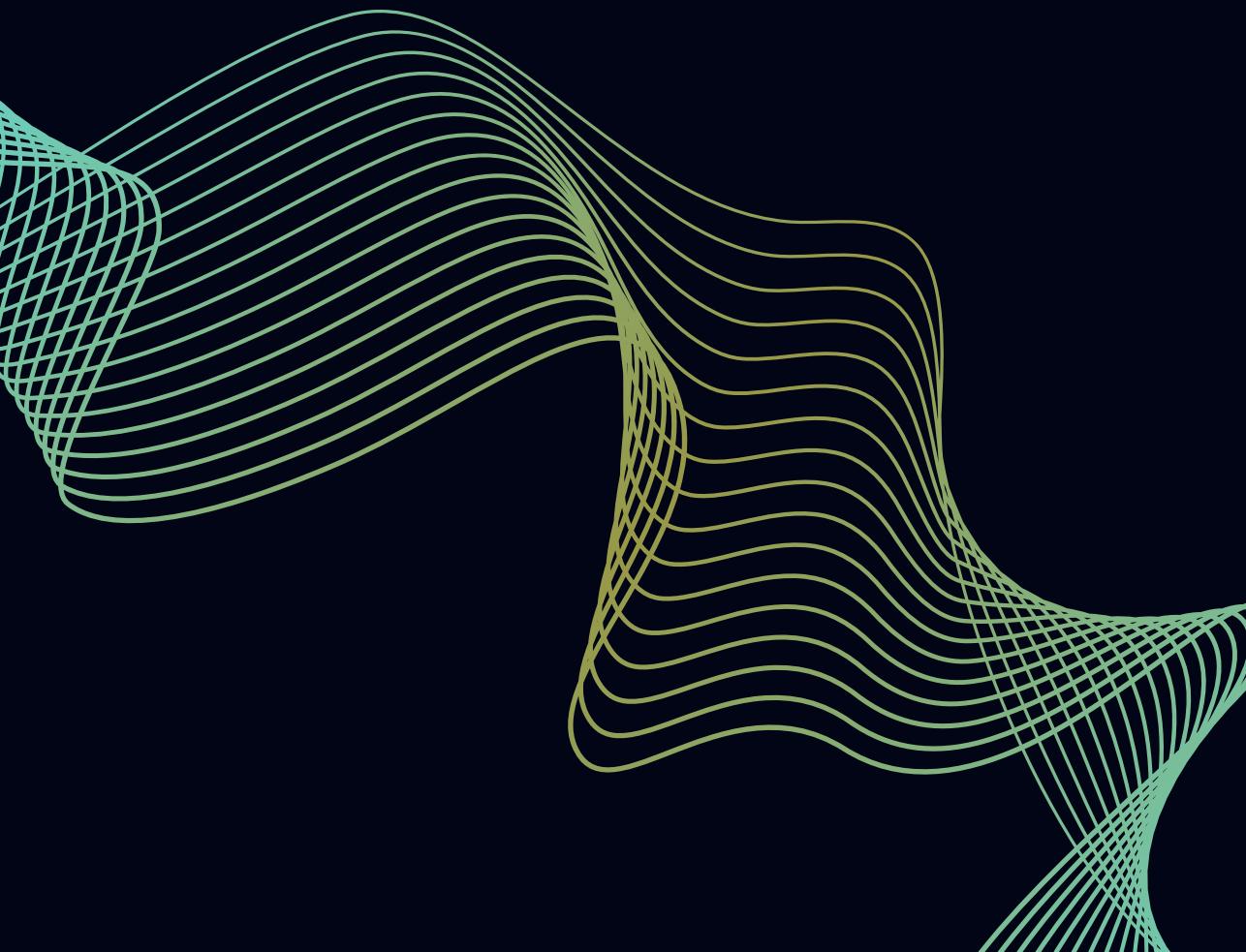
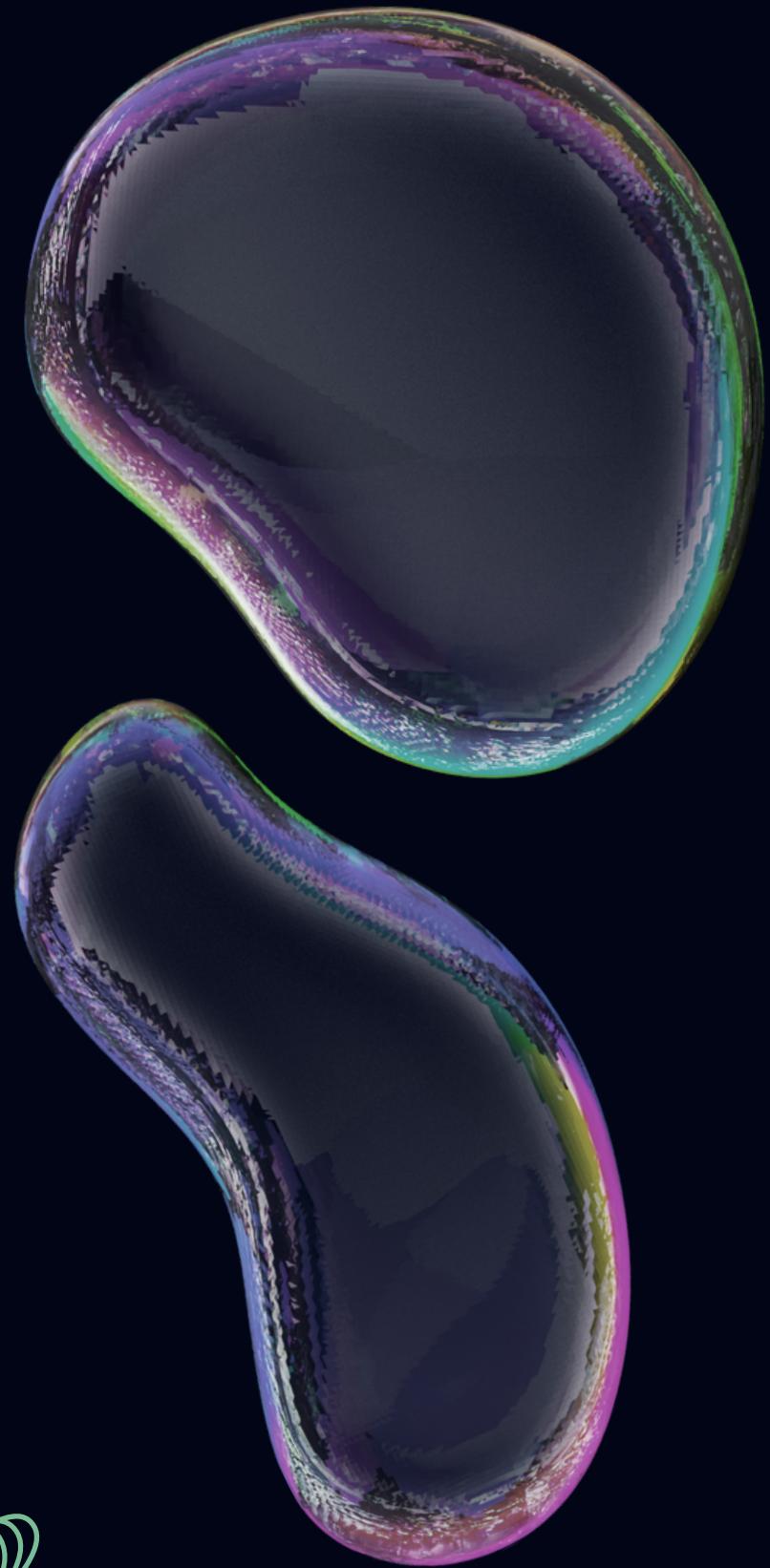
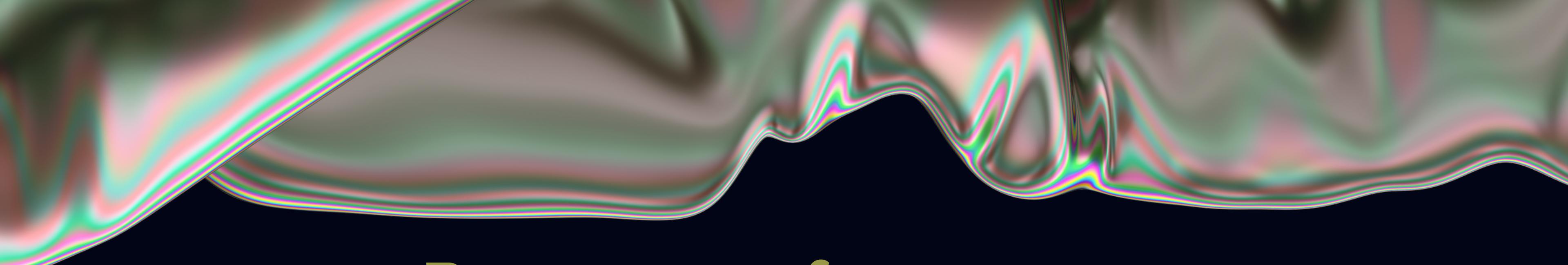


COMP303

Project

GAME
FORGE
MATE



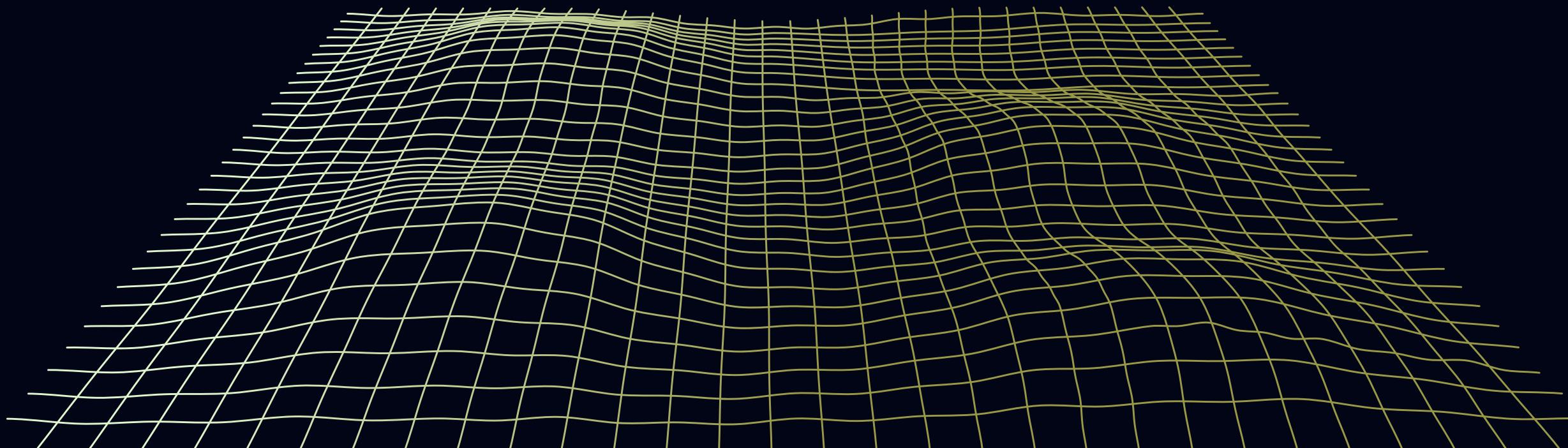


Purpose of our app

The purpose of our application is to recommend systems or parts that are suitable and up-to-date for game lovers who want to buy a new ready-made system or who want to collect a new system, by specifying the games they want to play and which will make them comfortable for a long time.

Python libraries we use when making the application

Pandas, Google Cloud Data Pack, Flask,
Request, Beautiful Soup, Firebase Service





Our road map of our project

While doing this project, we had a road map that we determined according to our needs. Our first goal was to provide the data we wanted. For this, we did a deep **Research** and as a result, we found the data and resources that would be useful to us.

Afterwards, we needed to organize these resources we found according to our needs and we used the **Pandas** library for this.

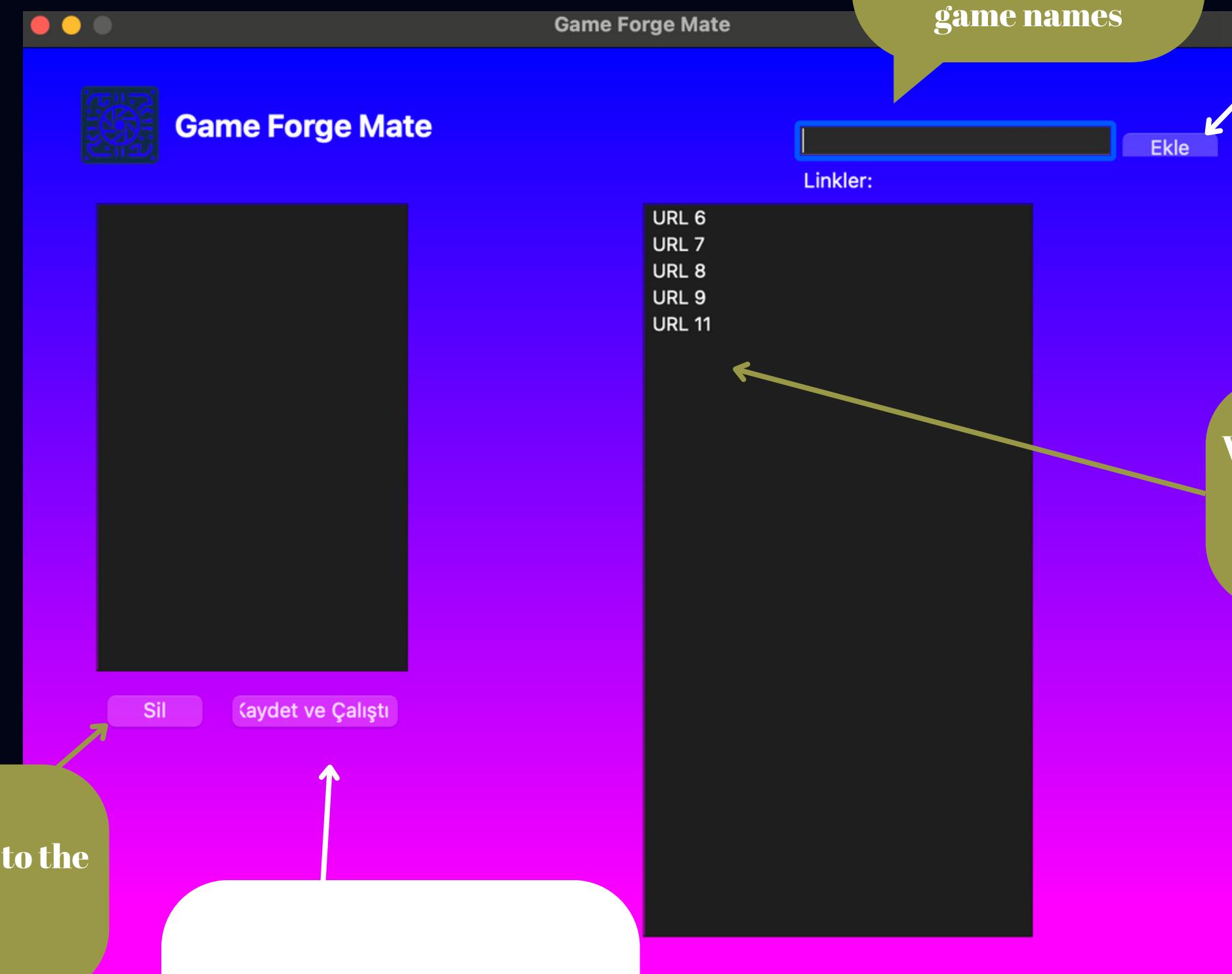
When this process was completed, the need to keep this data somewhere emerged, so we chose **Google Firebase** for this process.

When this process was completed, we needed to call the data we stored in Firebase to our **Python** file, we created an **API** service with **Flask** for this.

And in the last stage, we wrote the algorithm that matches these data with each other, then creates the result and allows us to proceed with the **Web scraping** process.



Info



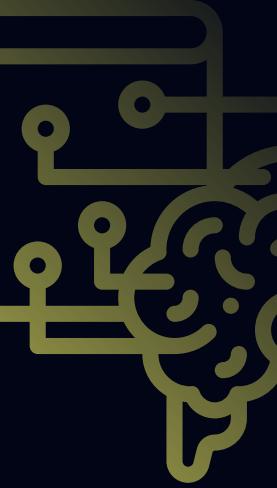
button to delete games to the list

button to start the app

Where to search for game names

button to add games to the list

When you click on the results of the outputs, the resulting urls are opened.



To run the application, simply run the `GFM_Main.py` file

If the project did not start properly, we recommend you follow these steps

- 1- Enter the file path "`4_GFM_Firebase_Ath.json`" in the Firebase admin ath section in the `GFM_Firebase Bridge Service.py` file
- 2- Change the file path in the `# Read game names from CSV` section to the path of the `"1_games_list.csv"` file in the `GFM_WebScrap.py` file, and change the file path in the `# Write URL To CSV` section to the path of the `"2_product_links.csv"` file.
- 3-(Optional) Enter the file path of the `"logo.png"` section in the `#Logo` section
- 4- In the `GFM_Main.py` file, the path to the `"3_searchbar.csv"` file in the `#3` section, the path to the `"2_product_links.csv"` file in the `#2` section, the path to the `"1_games_list.csv"` file in the `#1` section, the path to the `"GFM Firebase Bridge Service.py"` file in the `#Service` section. In the `#Scraping` section, enter the path to the `"GFM_WebScraping.py"` file, in the `#Links` section, enter the path to the `"2_product_links.csv"` file.



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