

## **User Manual**

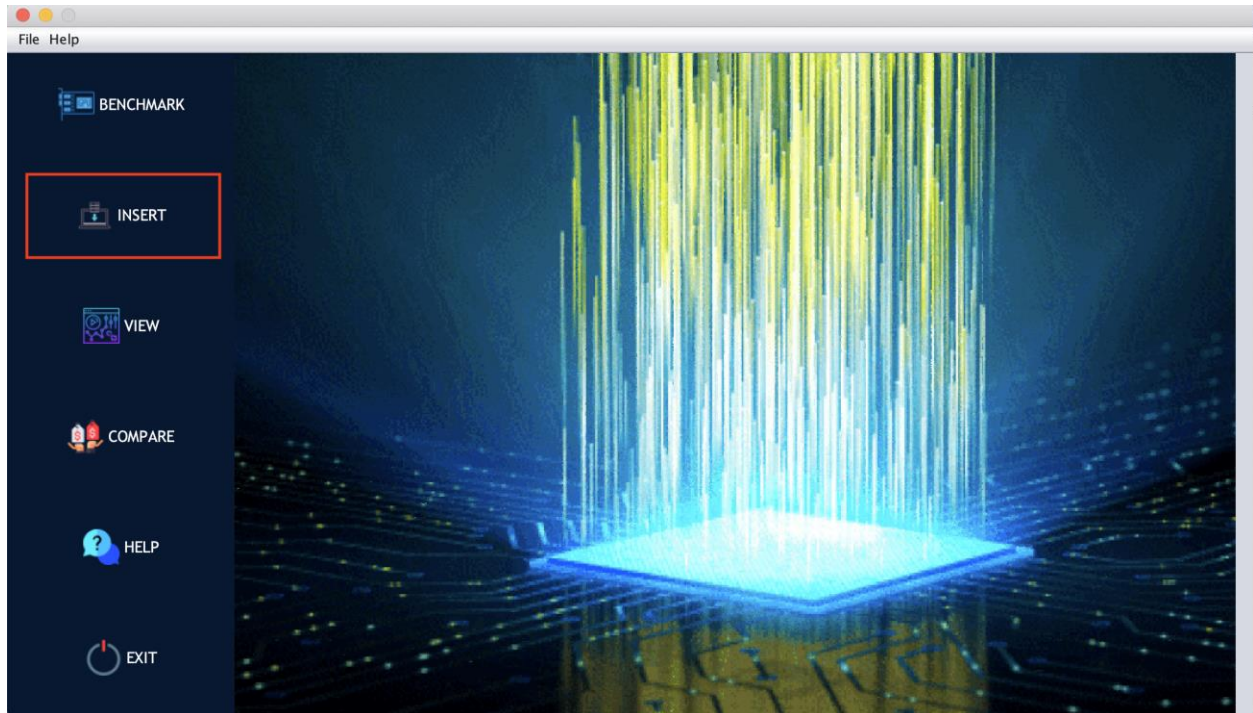
GPU Benchmark system has been providing various kind of GPU card information for both Desktop and Mobile. If user is searching for GPU for his/her computer system, then this system help can user to find GPU compatible to system by different ways such as

- User can view variety of GPU Brands with its models.
- User can compare one GPU with another.
- User can compare low budget GPU.
- User can compare high 3D marks of GPU.

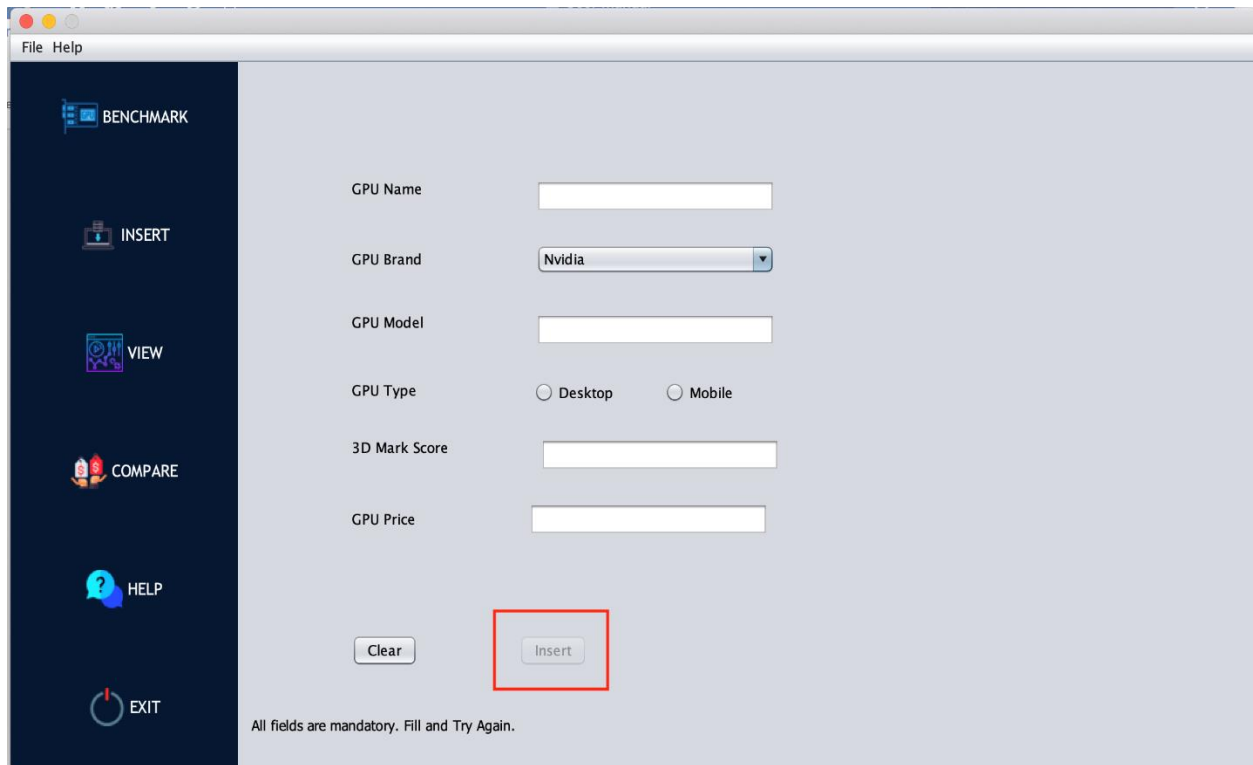
Below are some information and steps on how to use GPU benchmark system:

### To Insert data in system:

If user want to add new GPU data in system then user can do that by clicking in insert icon.



- ♣ User need to input data in all field then click on insert button otherwise insert button gets disabled and only enabled in if user input all the data in text field and radio button.



File Help

BENCHMARK

INSERT

VIEW

COMPARE

HELP

EXIT

GPU Name

GPU Brand

GPU Model

GPU Type

3D Mark Score

GPU Price

Clear

Insert

All fields are mandatory. Fill and Try Again.

The screenshot shows a software window titled "File Help" with a dark blue sidebar on the left containing icons and labels for "BENCHMARK", "INSERT", "VIEW", "COMPARE", "HELP", and "EXIT". The main area is light gray and contains several input fields: "GPU Name" (text box with "GeForce GTX 980 Ti"), "GPU Brand" (dropdown menu with "Nvidia"), "GPU Model" (text box with "GTX 900 Series"), "GPU Type" (radio buttons for "Desktop" and "Mobile", with "Desktop" selected), "3D Mark Score" (text box with "800"), and "GPU Price" (text box with "450"). Below these fields are "Clear" and "Insert" buttons. The "Insert" button is highlighted with a red rectangle. At the bottom, a small text note reads: "Alphabets and Decimals are not allowed. We only allow and deal in absolutes like Sith."

- ♣ User need to input only numeric value in 3D mark score and GPU price. Alphabet or symbol are disabled to input in those text field that's why those text field cannot accept alphabet or symbol.

- ♣ “GPU added to Inventory” message occurred in panel if all the data are successfully inserted to the system.

The screenshot shows a web application window with a title bar containing 'File' and 'Help' menus. On the left is a dark blue sidebar with icons and labels for 'BENCHMARK', 'INSERT', 'VIEW', 'COMPARE', 'HELP', and 'EXIT'. The main content area is light gray and contains a form for adding a GPU to the inventory. The form fields are: 'GPU Name' (text input), 'GPU Brand' (dropdown menu with 'Nvidia' selected), 'GPU Model' (text input), 'GPU Type' (radio buttons for 'Desktop' and 'Mobile', with 'Desktop' selected), '3D Mark Score' (text input), and 'GPU Price' (text input). Below the form are 'Clear' and 'Insert' buttons. A red rectangular box highlights a message at the bottom of the main area: 'GPU added to Inventory. Thank you.'

File Help

BENCHMARK

INSERT

VIEW

COMPARE

HELP

EXIT

GPU Name

GPU Brand

GPU Model

GPU Type

3D Mark Score

GPU Price

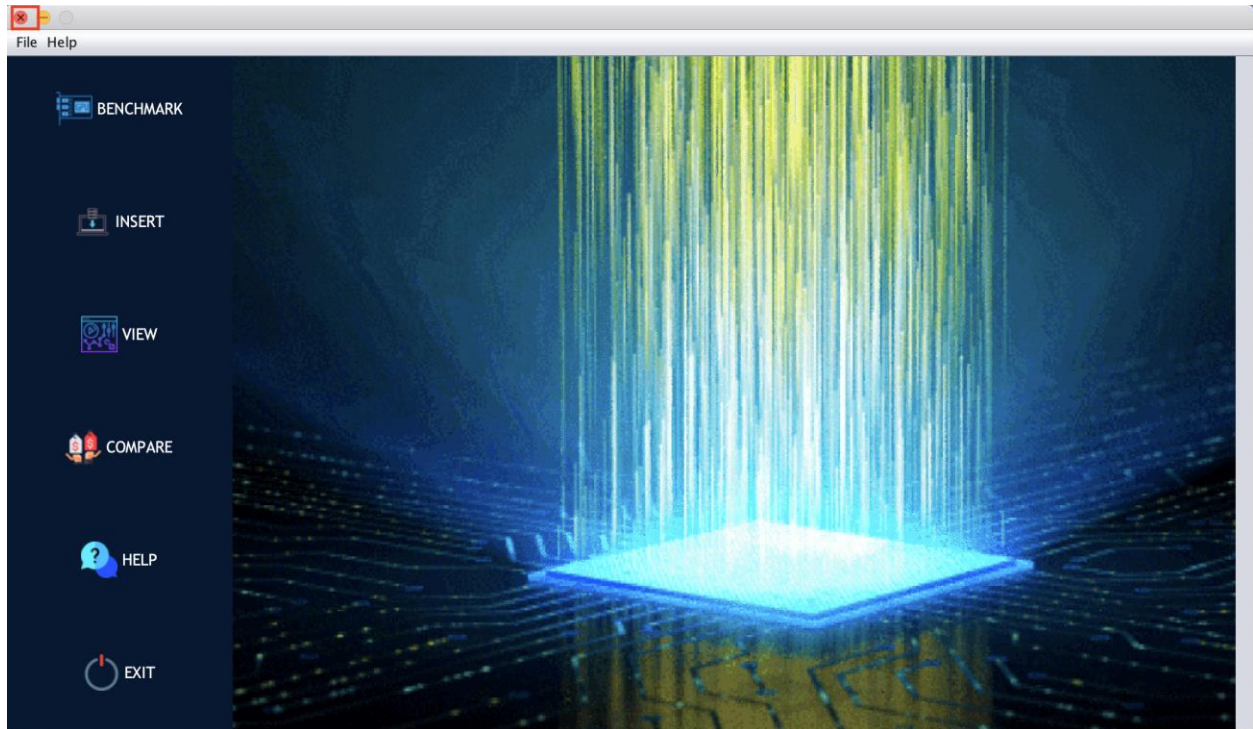
Clear

Insert

GPU added to Inventory. Thank you.

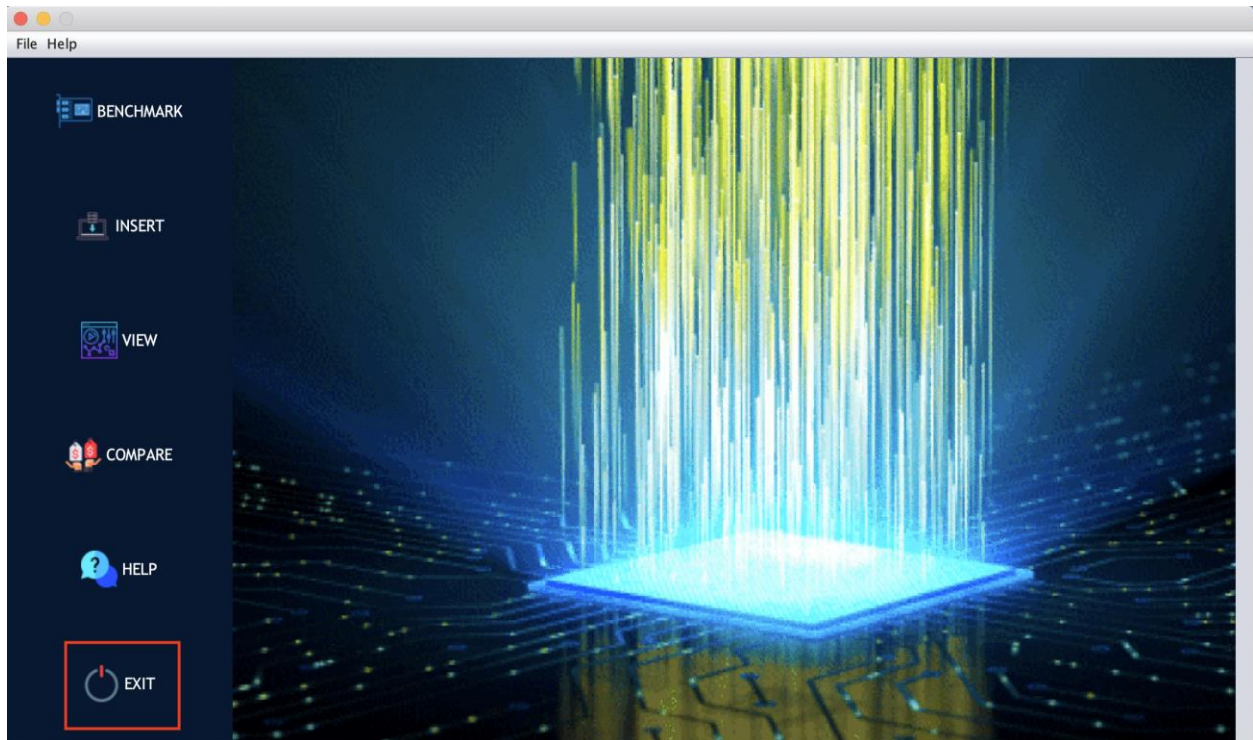
### To get exit:

- You can get exit from system by clicking cross symbol in window title menu and confirm your decision or,

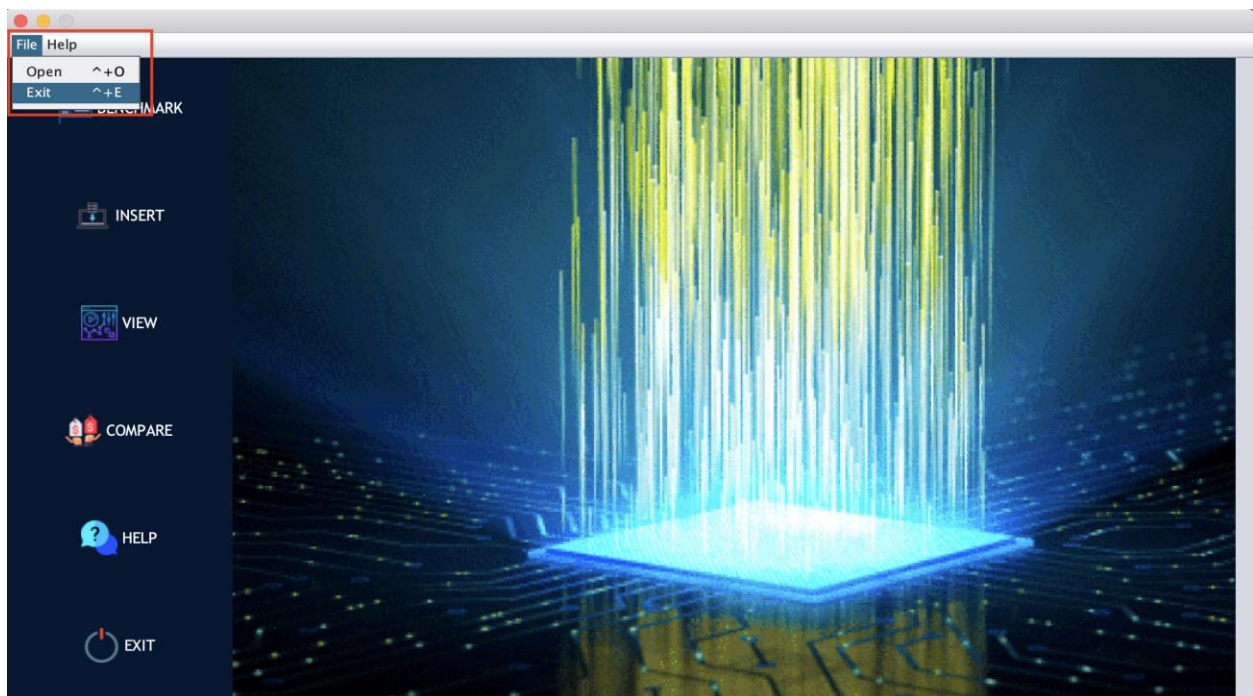


- You can get exit by clicking exit icon situated in left-bottom of the benchmark system or



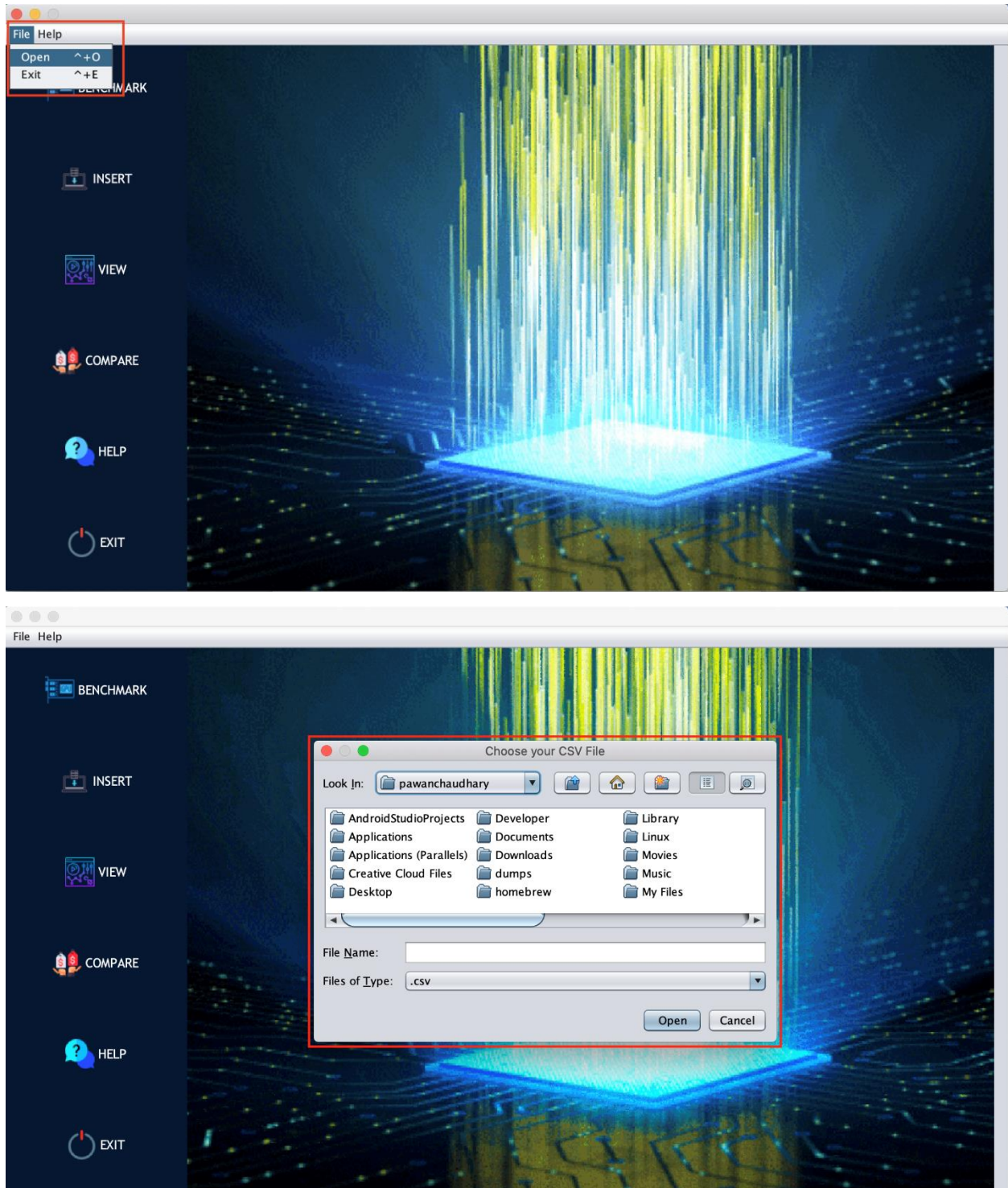


- You can also get exit from file menu:
  - ♣ Click on File on Menu bar.
  - ♣ Choose Exit and choose Yes to confirm your decision or using keyboard command i.e. control(ctrl) + e



## To Load External File:

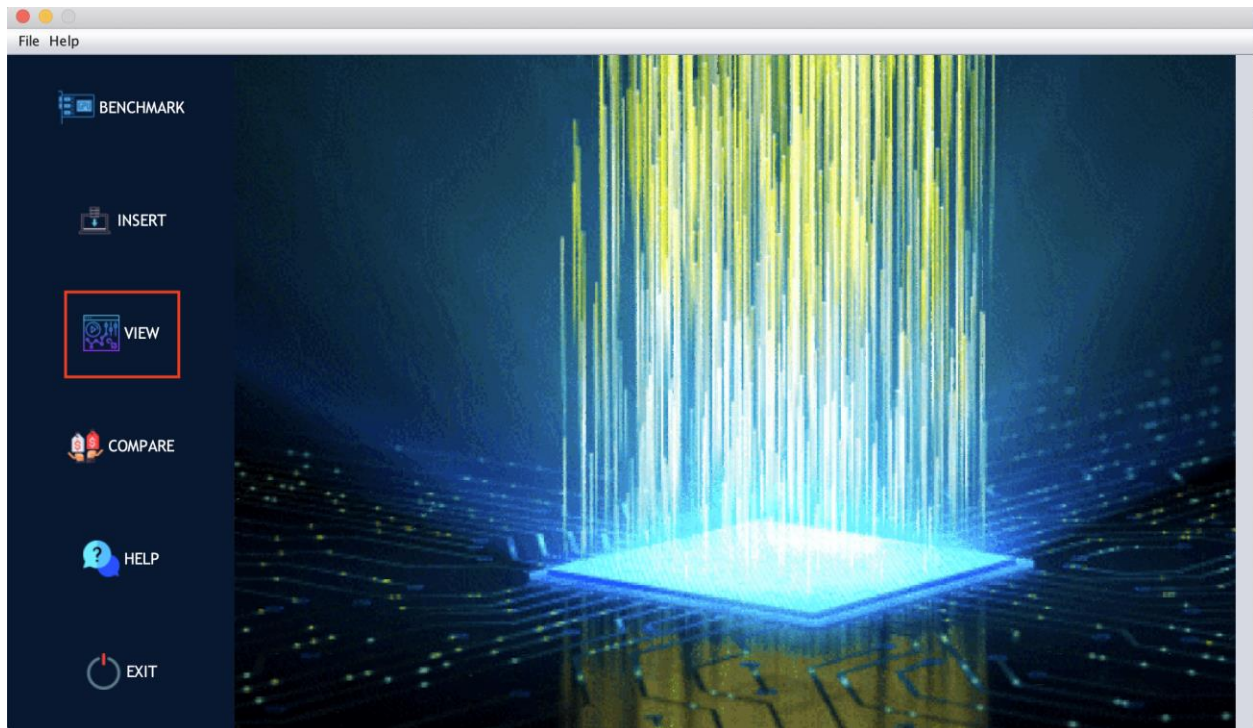
User can load external file i.e. CSV file by clicking file in file menu and choosing Open option or using keyboard command i.e. ctrl + o





After window dialog box appeared, user need to choose valid csv file to load in table if the csv file is invalid to table then user need to restart the benchmark system.

After loading valid csv file user, if user want to view then user have to click view icon and also if user want to export table data then user can do that easily by clicking save data.



File

Help

BENCHMARK

INSERT

VIEW

COMPARE

HELP

EXIT

Sort Table

3D Mark ...

Ascending

Search Price

GPU Name	GPU Brand	GPU Model	GPU Type	3D Mark Score	GPU Price
Intel Coffee Lake UHD	Intel	Intel Coffee Lake series	Mobile	1158	45
Intel Iris pro 5200	Intel	Iris series	Mobile	1173	45
GeForce RTX 1660 TI GAMING X	MSI	RTX series	Desktop	11523	247
Radeon RX Vega 56	AMD	RX series	Desktop	12062	264
EVGA GeForce GTX 1060 SC GAMING	EVGA	GTX series	Desktop	9097	313
Radeon RX 480	AMD	RX series	Desktop	8153	349
EVGA GeForce RTX 2060 SUPER XC BLAC...	EVGA	RTX series	Desktop	13770	399
GeForce RTX 2080	Nvidia	RTX series	Desktop	15502	649
Radeon RX 5700 GAMING X	MSI	RX series	Desktop	13804	841
Radeon RX 5700 GAMING OC	Gigabyte	RX series	Desktop	13804	850
GeForce GTX 1080 Ti	Nvidia	GTX series	Desktop	14221	949
AORUS GeForce RTX 2080 SUPER WATER...	Gigabyte	RTX series	Desktop	15881	949
GeForce GTX 980 Ti	Nvidia	GTX 900 Series	Desktop	800	450

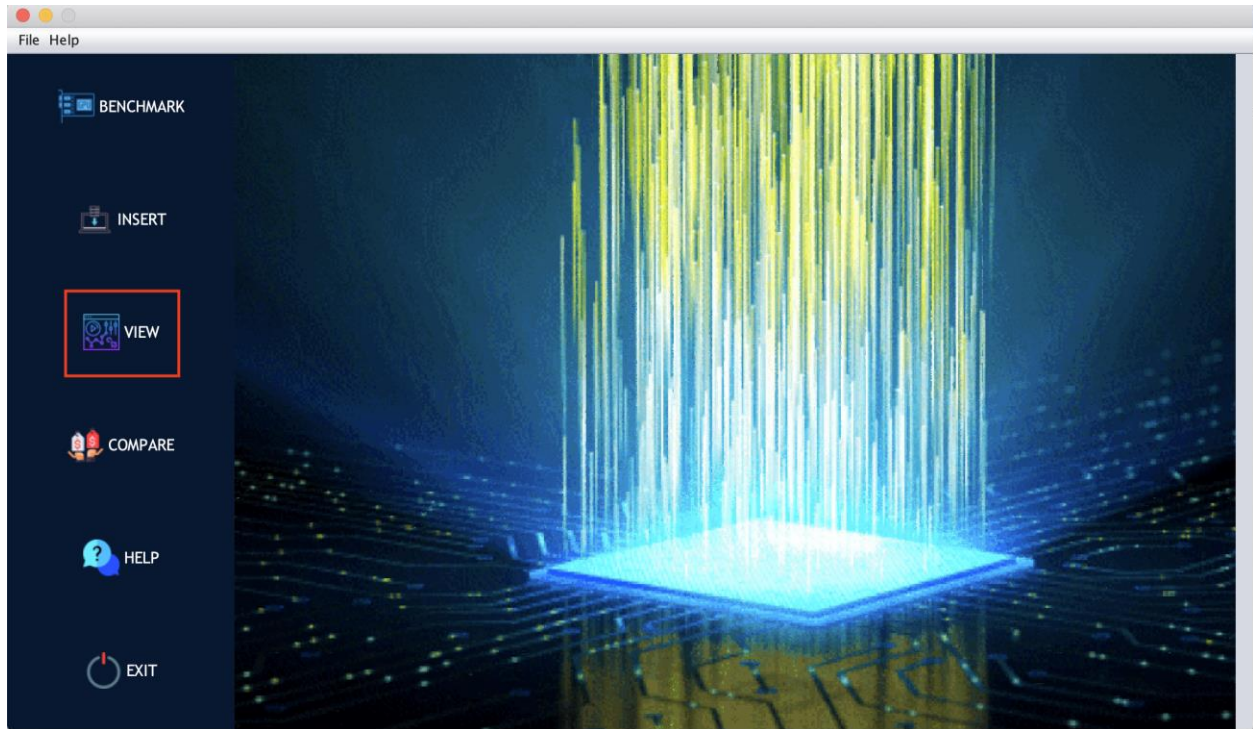
Query Stock

GPU Name

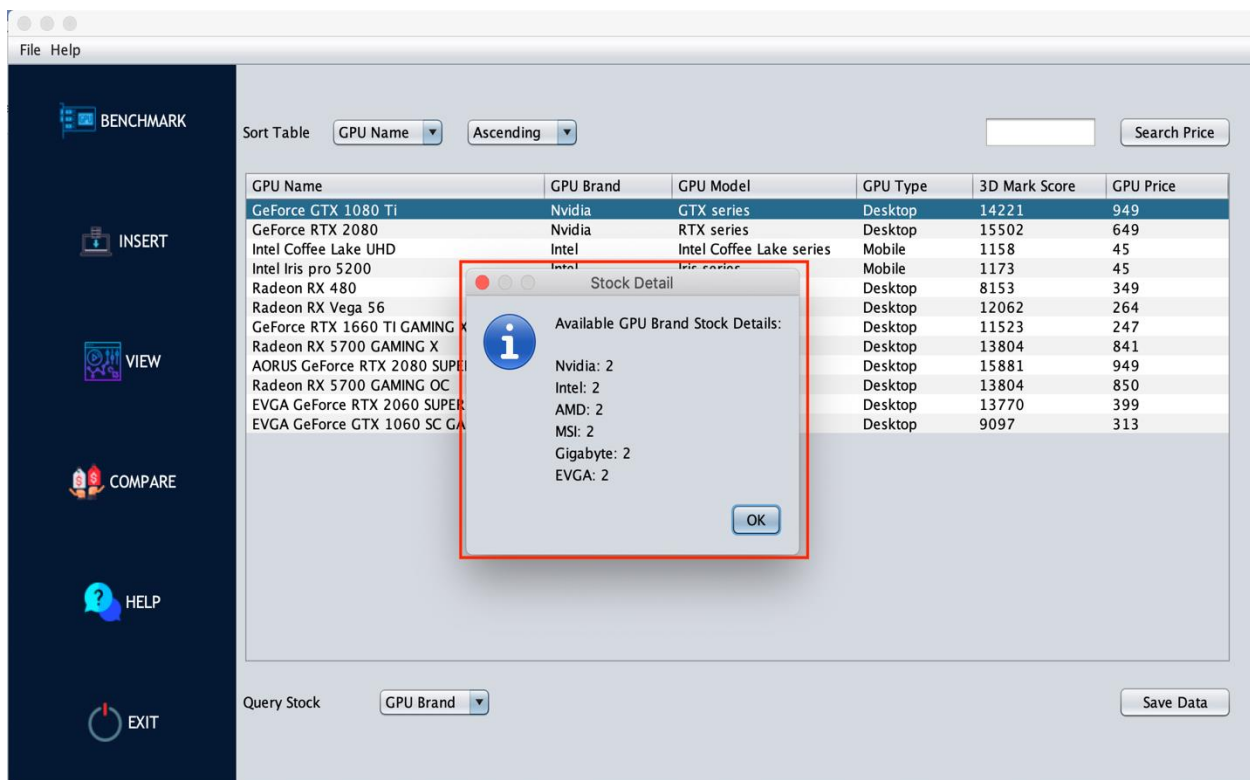
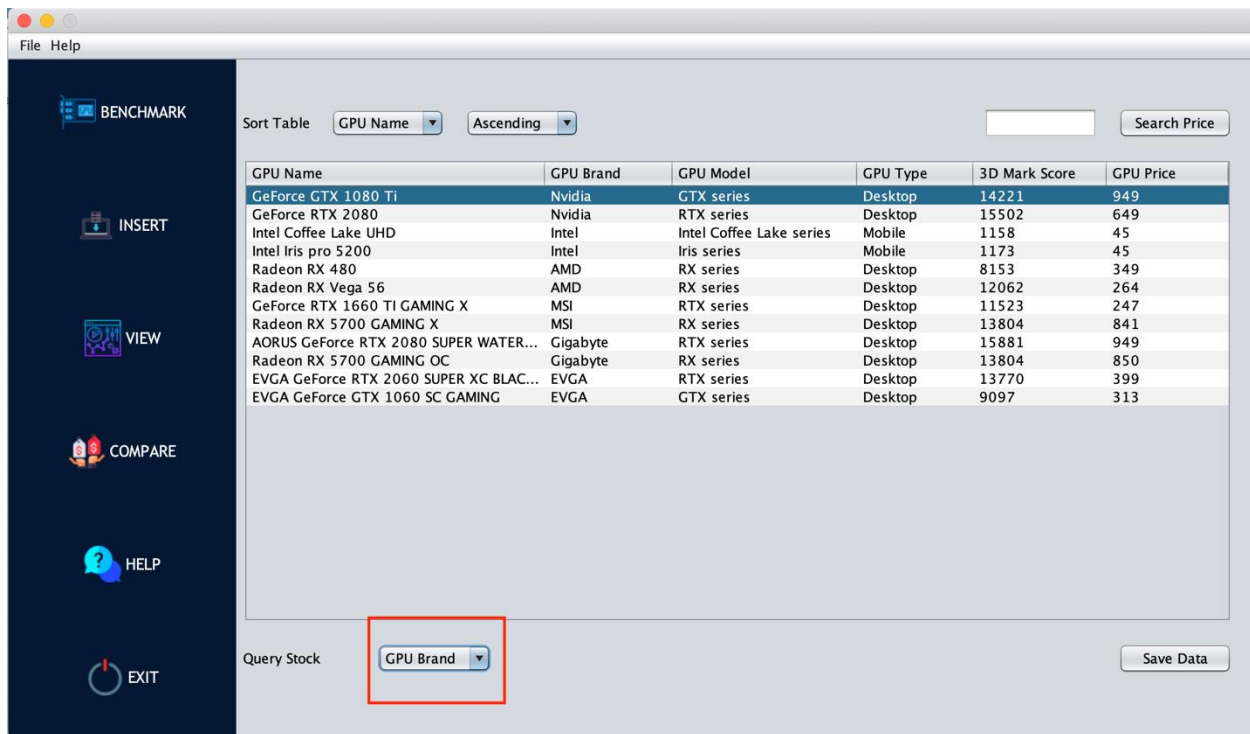
Save Data

### To View all the data:

User can simply view all the information by clicking on view icon from Home where user can search, sort and even get available stock GPU.



- If user want stock GPU in this system, then user only need to select GPU in combo box of Query Stock which is situated in left-bottom in the view panel.



- If user want to search low cost or high cost GPU available in this system, then user need to input valid price value in the search otherwise error occurred.

File Help

BENCHMARK

Sort Table GPU Name Ascending

949 Search Price

GPU Name	GPU Brand	GPU Model	GPU Type	3D Mark Score	GPU Price
Intel Coffee Lake UHD	Intel	Intel Coffee Lake series	Mobile	1158	45
Intel Iris pro 5200	Intel	Iris series	Mobile	1173	45
GeForce RTX 1660 TI GAMING X	MSI	RTX series	Desktop	11523	247
Radeon RX Vega 56	AMD	RX series	Desktop	12062	264
EVGA GeForce GTX 1060 SC GAMING	EVGA	GTX series	Desktop	9097	313
Radeon RX 480	AMD	RX series	Desktop	8153	349
EVGA GeForce RTX 2060 SUPER X	EVGA	RTX series	Desktop	13770	399
GeForce RTX 2080	Nvidia	RTX series	Desktop	15502	649
Radeon RX 5700 GAMING X	AMD	RX series	Desktop	13804	841
Radeon RX 5700 GAMING OC	AMD	RX series	Desktop	13804	850
GeForce GTX 1080 Ti	Nvidia	GTX series	Desktop	14221	949
AORUS GeForce RTX 2080 SUPER	ASUS	RTX series	Desktop	15881	949

Price Search Result

GPU found.

Name: GeForce GTX 1080 Ti

Brand: Nvidia

Model: GTX series

Type: Desktop

3D Mark Score: 14221

Price: 949

OK

Query Stock GPU Brand

Save Data

File Help

BENCHMARK

Sort Table GPU Name Ascending

100000 Search Price

GPU Name	GPU Brand	GPU Model	GPU Type	3D Mark Score	GPU Price
Intel Coffee Lake UHD	Intel	Intel Coffee Lake series	Mobile	1158	45
Intel Iris pro 5200	Intel	Iris series	Mobile	1173	45
GeForce RTX 1660 TI GAMING X	MSI	RTX series	Desktop	11523	247
Radeon RX Vega 56	AMD	RX series	Desktop	12062	264
EVGA GeForce GTX 1060 SC GAMING	EVGA	GTX series	Desktop	9097	313
Radeon RX 480	AMD	RX series	Desktop	8153	349
EVGA GeForce RTX 2060 SUPER X	EVGA	RTX series	Desktop	13770	399
GeForce RTX 2080	Nvidia	RTX series	Desktop	15502	649
Radeon RX 5700 GAMING X	AMD	RX series	Desktop	13804	841
Radeon RX 5700 GAMING OC	AMD	RX series	Desktop	13804	850
GeForce GTX 1080 Ti	Nvidia	GTX series	Desktop	14221	949
AORUS GeForce RTX 2080 SUPER	ASUS	RTX series	Desktop	15881	949

Price Search Result

The GPU of specified price is not available. Please try another price.

OK

Query Stock GPU Brand

Save Data

- User can sort the table based on GPU Name, GPU Brand, GPU Model, GPU Type, 3D Mark Score and GPU Price and arrange table information by both Ascending order and Descending order by selecting combo boxes situated in left-top of panel.



File Help

BENCHMARK

Sort Table GPU Name Ascending

Search Price

GPU Name	GPU Brand	GPU Model	GPU Type	3D Mark Score	GPU Price
Intel Coffee Lake UHD	Intel	Intel Coffee Lake series	Mobile	1158	45
Intel Iris pro 5200	Intel	Iris series	Mobile	1173	45
GeForce RTX 1660 TI GAMING X	MSI	RTX series	Desktop	11523	247
Radeon RX Vega 56	AMD	RX series	Desktop	12062	264
EVGA GeForce GTX 1060 SC GAMING	EVGA	GTX series	Desktop	9097	313
Radeon RX 480	AMD	RX series	Desktop	8153	349
EVGA GeForce RTX 2060 SUPER XC BLAC...	EVGA	RTX series	Desktop	13770	399
GeForce RTX 2080	Nvidia	RTX series	Desktop	15502	649
Radeon RX 5700 GAMING X	MSI	RX series	Desktop	13804	841
Radeon RX 5700 GAMING OC	Gigabyte	RX series	Desktop	13804	850
GeForce GTX 1080 Ti	Nvidia	GTX series	Desktop	14221	949
AORUS GeForce RTX 2080 SUPER WATER...	Gigabyte	RTX series	Desktop	15881	949

Query Stock GPU Brand

Save Data

INSERT

VIEW

COMPARE

HELP

EXIT

- ♣ If user want to sort table by GPU Name or GPU Brand or GPU Model or GPU Type or 3D Mark Score or GPU Price then user need to select specific option from combo box of Sort Table situated in top-left of the panel and also if user want to arrange table data in specific order then user need to choose Ascending or Descending option from combo box next to sort combo box.

File

Help

BENCHMARK

INSERT

VIEW

COMPARE

HELP

EXIT

Sort Table

GPU Model

Descending

Search Price

GPU Name	GPU Brand	GPU Model	GPU Type	3D Mark Score	GPU Price
Radeon RX Vega 56	AMD	RX series	Desktop	12062	264
Radeon RX 480	AMD	RX series	Desktop	8153	349
Radeon RX 5700 GAMING X	MSI	RX series	Desktop	13804	841
Radeon RX 5700 GAMING OC	Gigabyte	RX series	Desktop	13804	850
GeForce RTX 1660 TI GAMING X	MSI	RTX series	Desktop	11523	247
EVGA GeForce RTX 2060 SUPER XC BLAC...	EVGA	RTX series	Desktop	13770	399
GeForce RTX 2080	Nvidia	RTX series	Desktop	15502	649
AORUS GeForce RTX 2080 SUPER WATER...	Gigabyte	RTX series	Desktop	15881	949
Intel Iris pro 5200	Intel	Iris series	Mobile	1173	45
Intel Coffee Lake UHD	Intel	Intel Coffee Lake series	Mobile	1158	45
EVGA GeForce GTX 1060 SC GAMING	EVGA	GTX series	Desktop	9097	313
GeForce GTX 1080 Ti	Nvidia	GTX series	Desktop	14221	949

Query Stock

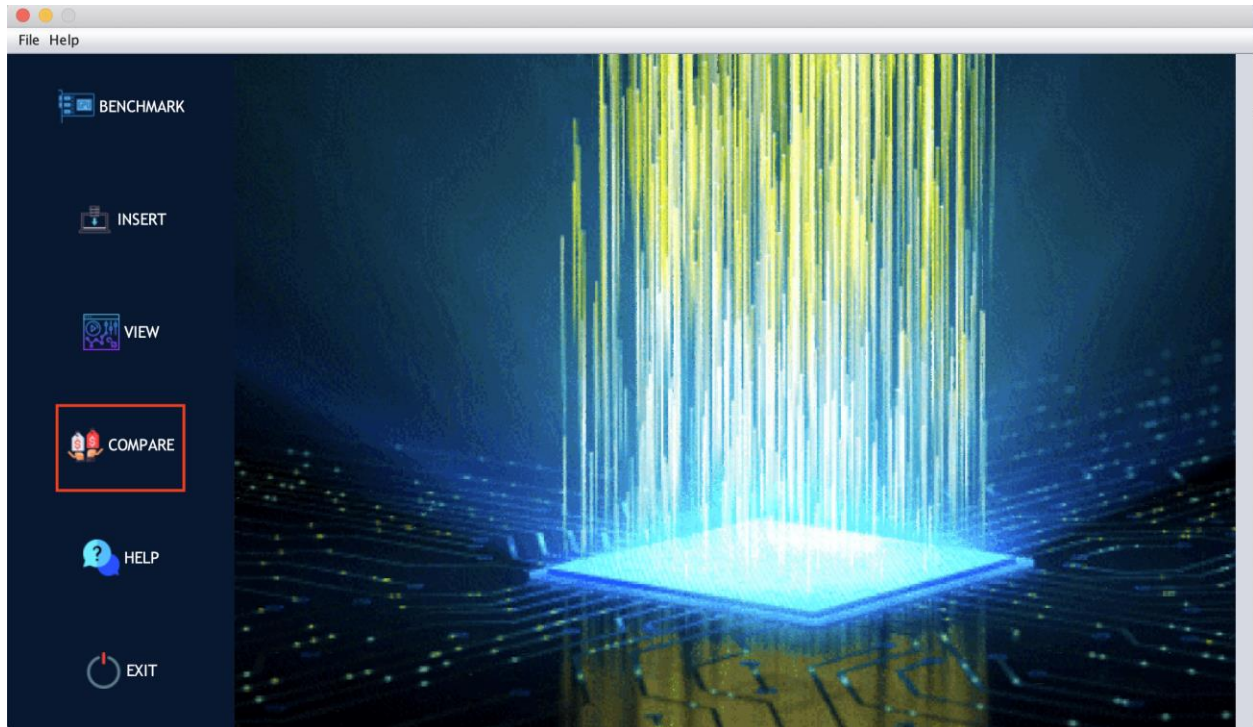
GPU Brand

Save Data

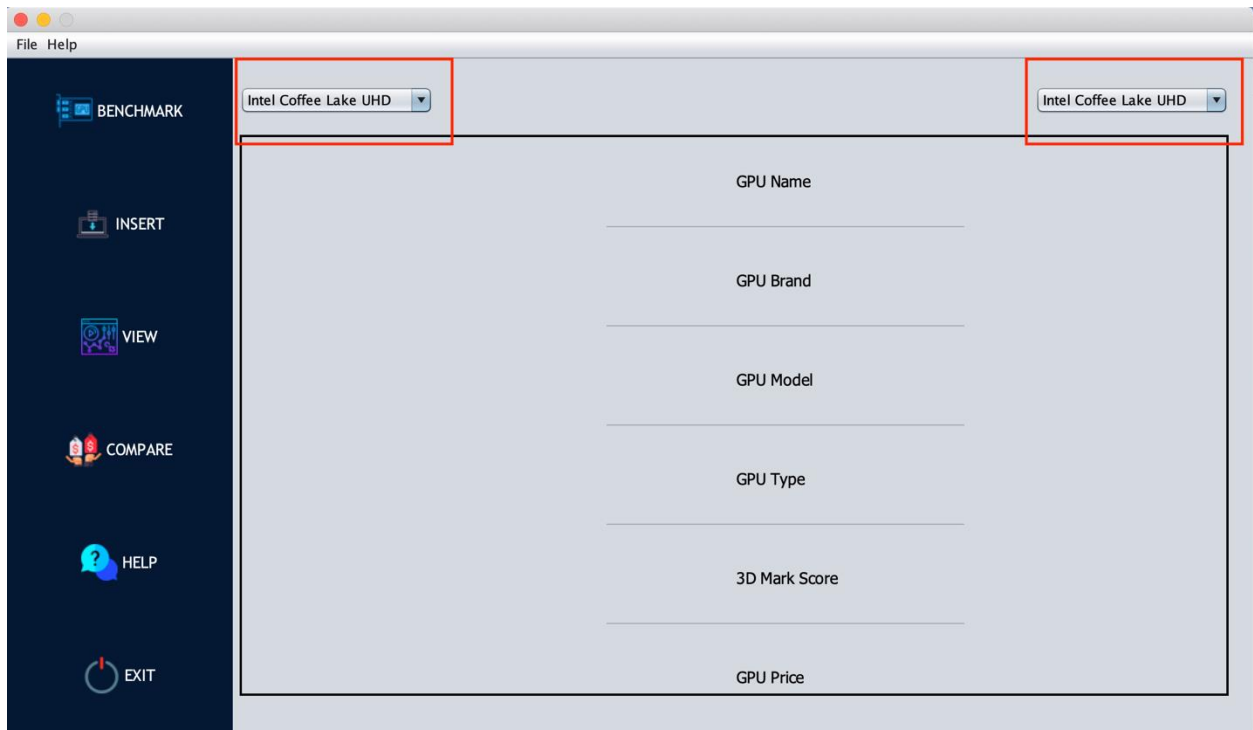
Table sorted alphabetically by GPU Model

## To compare GPU one with another:

User can get into compare panel by clicking compare icon from Home.



- ♣ User need to select GPU from combo box, one combo box is situated in the top-left side and another is in the top-right side.



- ♣ After selecting GPU from combo box in both side, data are displayed.

Radeon RX 480	GPU Name	Intel Iris pro 5200
AMD	GPU Brand	Intel
RX series	GPU Model	Iris series
Desktop	GPU Type	Mobile
8153	3D Mark Score	1173
349	GPU Price	45

- ♣ Green label indicates a one is better than another so that user can identify better and low budget GPU.

Radeon RX 480	GPU Name	Intel Iris pro 5200
AMD	GPU Brand	Intel
RX series	GPU Model	Iris series
Desktop	GPU Type	Mobile
8153	3D Mark Score	1173
349	GPU Price	45