

User Manual

SRS Electronic Store

File Help → Menus

Table

Device ID	Device Name	Brand	Category	Price	Date

-Select Search Item- Search Search

Device Information

Device Name

Brand -Select Brand-

Category ☐ SmartPhone ☐ Television ☐ HeadPhone ☐ Laptop ☐ Game Console ☐ Accessories

Price

Date DD MM YYYY

Buttons

Add Update Remove Clear Exit

Figure 1: SRS Electronic Store (Program)

1. ADD

The Purpose of the Add Button is to insert the values regarding all electronic devices which stores information related to the devices. The values are added using Default Table Model. The Device Information includes Device Name, Brand, Category, Price and Date. All this information is stored in the Table of the program.

For **ADD** Button to perform, there are few requirements which must be met.

- **DEVICE NAME**

The Device Name values can either be Characters or numbers which is Alpha Numeric. The values passed in Device Name Text Field Must Combination of both Characters and Numbers.

- **BRAND**

The BRAND default value set is **-Select Brand-** which is created using Combo Box. We offer 6 brand product accessories. The Brand which our Store offers is Sony, Samsung, LG, Microsoft, Google and Origins. The customers can select out a wide range of the mentioned brands as shown in the figure below.

- **CATEGORY**

We offer high specifications and branded quality products all offered by different branded brands. The wide range of Categories, we deal with are smartphones, headphones and so on. From the list of products, only one product can be ordered at a time.

- **PRICE**

The Price values must have values passed as numbers. The prices of the wide range of categories of products are priced in number.

- **DATE**

The Date values must in DD-MM-YYYY format. The Date of the different brand of products and accessories which are already available in our store is mentioned along with their Entry Date.

SRS Electronic Store

File Help

Device ID	Device Name	Brand	Category	Price	Date

-Select Search Item- Search Search

Device Information

Device Name

Brand

Category

☐ SmartPhone ☐ Television

☐ HeadPhone ☐ Laptop

☐ Game Console ☐ Accessories

Price

Date

Buttons

Add

Update

Remove

Clear

Exit

Figure 2: Before Inserting information into the table

Device Information

Device Name

Brand

Category

☒ SmartPhone ☐ Television

☐ HeadPhone ☐ Laptop

☐ Game Console ☐ Accessories

Price

Date

Figure 3: Provided information to add

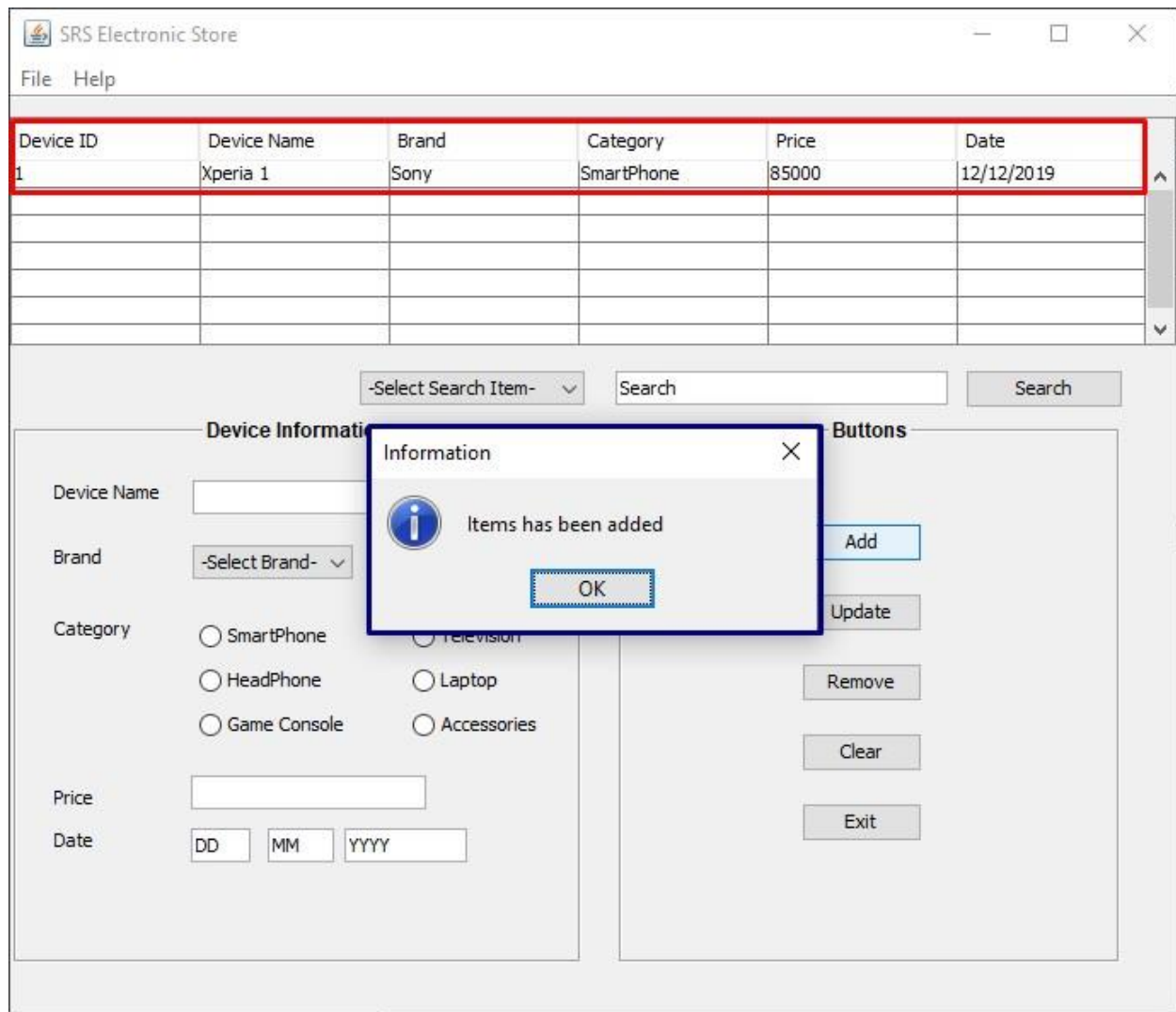


Figure 4: After Adding

Note: Red box in figure 3 need to be selected.

2. UPDATE

The Purpose of the Update Button is to update the selected row's values regarding the electronic devices with new updated value. For the Update Button to work, a certain row must be selected to determine which row you want to update. After a row is selected, all the values of that row are displayed in their respective fields. The updated values must be inserted and then after clicking Update, the values get updated in the Table.

For **UPDATE** Button to perform, there is systematic order which must be followed.

The screenshot shows the 'SRS Electronic Store' application window. At the top is a menu bar with 'File' and 'Help'. Below it is a table with the following data:

Device ID	Device Name	Brand	Category	Price	Date
1	Xperia 1	Sony	SmartPhone	85000	12/12/2019
2	Surface Pro 4	Samsung	Television	150000	01/01/2020

A blue arrow points from the 'Surface Pro 4' row to the 'Device Name' field in the 'Device Information' section. Below the arrow, the text 'This added information is mistake' is written.

The 'Device Information' section contains the following fields:

- Device Name:
- Brand:
- Category: ☐ SmartPhone ☐ Television ☐ HeadPhone ☐ Laptop ☐ Game Console ☐ Accessories
- Price:
- Date:

The 'Buttons' section contains the following buttons:

- Add
- Update
- Remove
- Clear
- Exit

Figure 5: Mistake Information

STEP 1: Select the mistake information from the table. After selecting the row, field of Device Information will be filled.



Device ID	Device Name	Brand	Category	Price	Date
1	Xperia 1	Sony	SmartPhone	85000	12/12/2019
2	Surface Pro 4	Samsung	Television	150000	01/01/2020

Figure 6: Selecting Row



Device Information

Device Name:

Brand:

Category: ☐ SmartPhone ☒ Television
☐ HeadPhone ☐ Laptop
☐ Game Console ☐ Accessories

Price:

Date:

Figure 7: Information of Selected Row

STEP 2: Correct the information of the Device (Given in Figure 7)

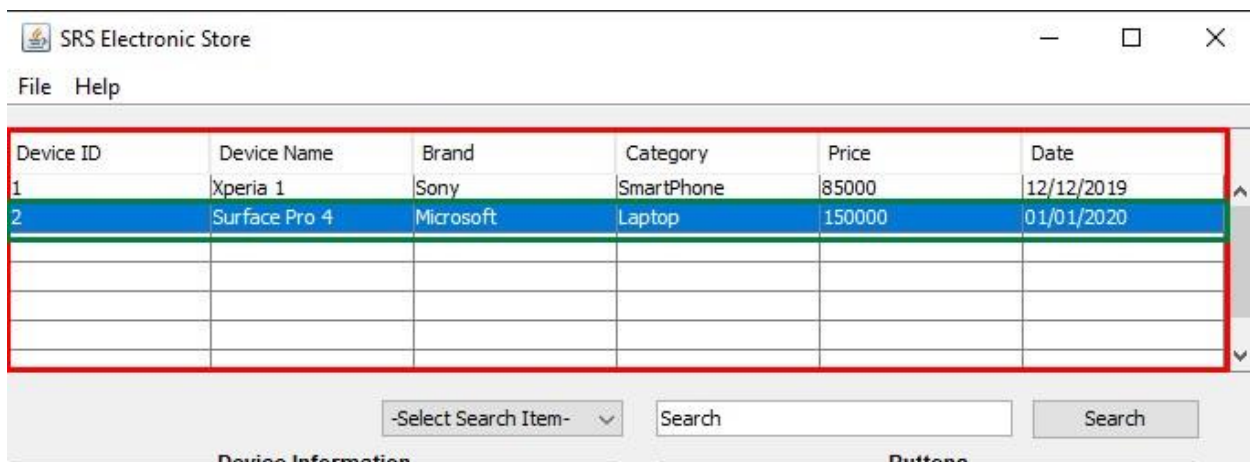


The 'Device Information' form contains the following fields and values:

- Device Name: Surface Pro 4
- Brand: Microsoft (selected from a dropdown menu)
- Category: Laptop (selected from radio buttons)
- Price: 150000
- Date: 01 / 01 / 2020

Figure 8: Inserting correct information

STEP 3: Press Update button. After pressing update button, information of the device will be updated in the table.



The application window 'SRS Electronic Store' displays a table with the following data:

Device ID	Device Name	Brand	Category	Price	Date
1	Xperia 1	Sony	SmartPhone	85000	12/12/2019
2	Surface Pro 4	Microsoft	Laptop	150000	01/01/2020

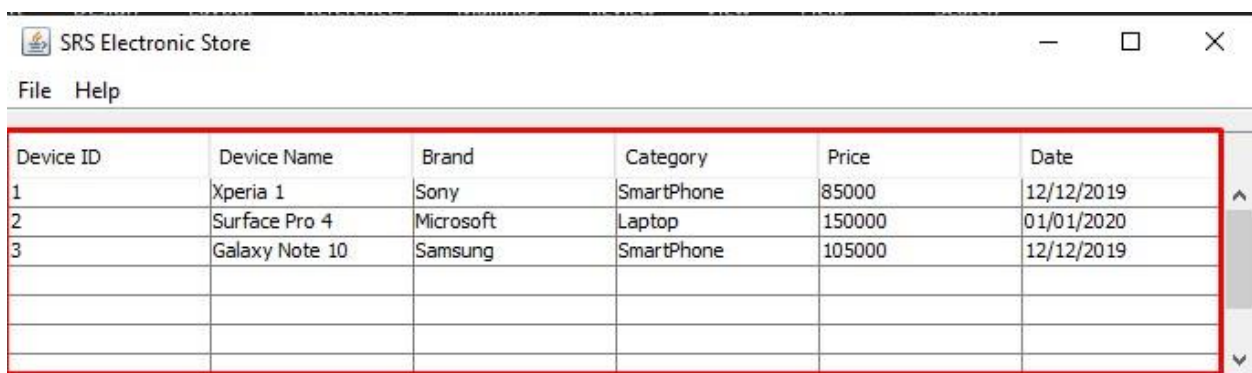
Below the table, there is a search section with a dropdown menu set to '-Select Search Item-', a search input field, and a 'Search' button.

Figure 9: Information has been updated

3. REMOVE

The Purpose of the Remove Button is to remove the selected row's values regarding the Device Information. For the Remove Button to work, a certain row must be selected to determine which row you want to remove. After a row is selected for deletion, it must be removed using Remove Button. Then, the removed value must be removed from the Table.

For **REMOVE** Button to perform, there is systematic order which must be followed.

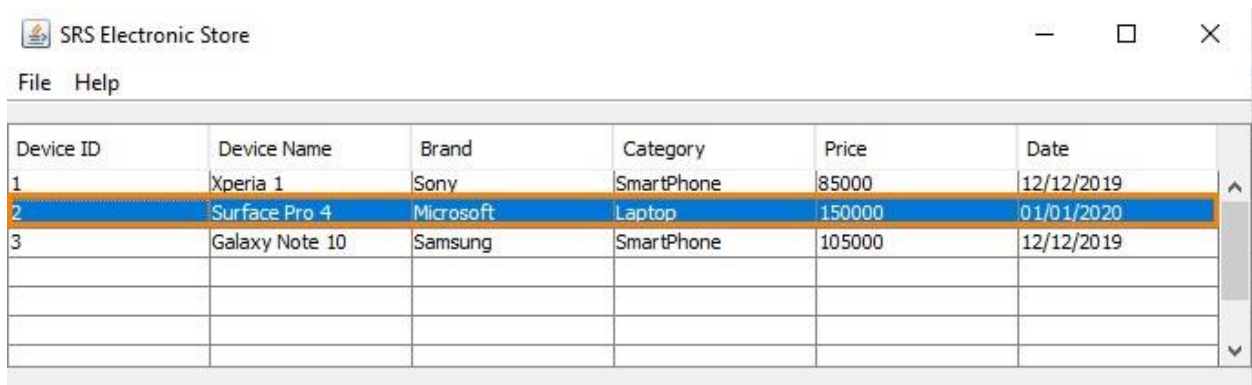


The screenshot shows a window titled "SRS Electronic Store" with a menu bar containing "File" and "Help". Below the menu is a table with the following data:

Device ID	Device Name	Brand	Category	Price	Date
1	Xperia 1	Sony	SmartPhone	85000	12/12/2019
2	Surface Pro 4	Microsoft	Laptop	150000	01/01/2020
3	Galaxy Note 10	Samsung	SmartPhone	105000	12/12/2019

Figure 10: Data before removing

STEP 1: Select the mistake information from the table.



The screenshot shows the same window as Figure 10, but the second row (Device ID 2) is highlighted in blue, indicating it is selected.

Device ID	Device Name	Brand	Category	Price	Date
1	Xperia 1	Sony	SmartPhone	85000	12/12/2019
2	Surface Pro 4	Microsoft	Laptop	150000	01/01/2020
3	Galaxy Note 10	Samsung	SmartPhone	105000	12/12/2019

Figure 11: Select row to remove

STEP 2: Click Remove Button. After clicking remove button, selected data will be removed.



The screenshot shows a window titled "SRS Electronic Store" with a menu bar containing "File" and "Help". Below the menu is a table with the following data:

Device ID	Device Name	Brand	Category	Price	Date
1	Xperia 1	Sony	SmartPhone	85000	12/12/2019
3	Galaxy Note 10	Samsung	SmartPhone	105000	12/12/2019

Figure 12: Data after remove

4. Importing Data into Table

Importing data is the process of adding the recorded data from the file to the table of the program. Step to import data into table are as follows:



The screenshot shows a window titled "SRS Electronic Store" with a menu bar containing "File" and "Help". Below the menu bar is a table with six columns: "Device ID", "Device Name", "Brand", "Category", "Price", and "Date". The table is currently empty, with only the header row visible. A red rectangular border highlights the table area.

Device ID	Device Name	Brand	Category	Price	Date

Figure 13: Before Importing

A	B	C	D	E	F
1	Xperia 1	Sony	SmartPho	85000	12/12/2019
2	Galaxy Note 10	Samsung	SmartPho	95000	12/13/2019
3	EON17-X	Origins	Laptop	286832	12/14/2019
4	LG Nano 9 Series 4K 65 inch	LG	Television	123198	12/15/2019
5	82 Inch QLED Smart 4K UHD TV	Samsung	Television	369598	12/16/2019
6	Pixel 4XL	Google	SmartPho	82992	12/17/2019
7	Playstation 4	Sony	Game Con	54900	12/18/2019
8	V50 ThinQ	LG	SmartPho	112000	12/19/2019
9	Z1R Premium Headphones	Sony	Headphor	201600	12/20/2019
10	XBOX One	Microsoft	Game Con	28000	12/21/2019
11	IER-Z1R Signature Series In-ear Headphones	Sony	Accessorie	190400	12/22/2019
12	XBOX One Controller	Microsoft	Accessorie	7500	12/23/2019
13	PS 4 Controller	Sony	Accessorie	7500	12/24/2019
14	Xperia 1 Plus	Sony	SmartPho	85000	12/25/2019

Figure 14: Data in file

Step 1: Click File Menu and select Open options or Press CTRL+O in Keyboard.
It will open a file chooser dialog box.



Figure 15: Click Open

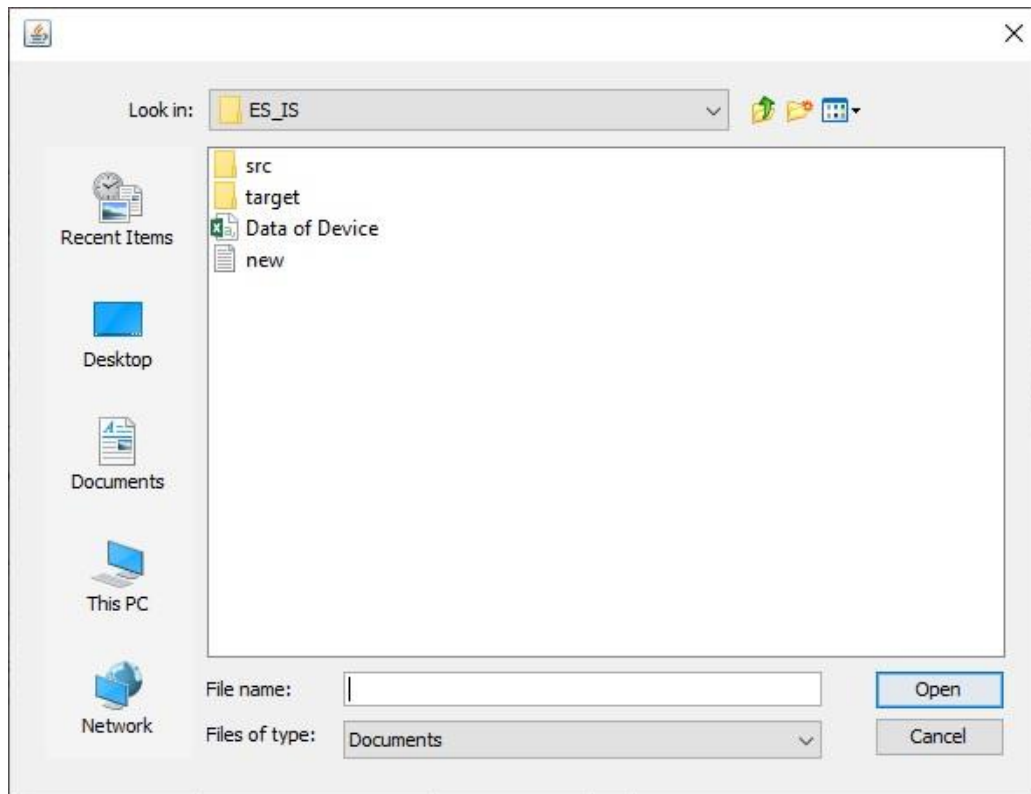


Figure 16: File Chooser Dialog Box

Step 2: Select File and click Open button of the File Chooser

Note: It will only support documents (CSV and txt).

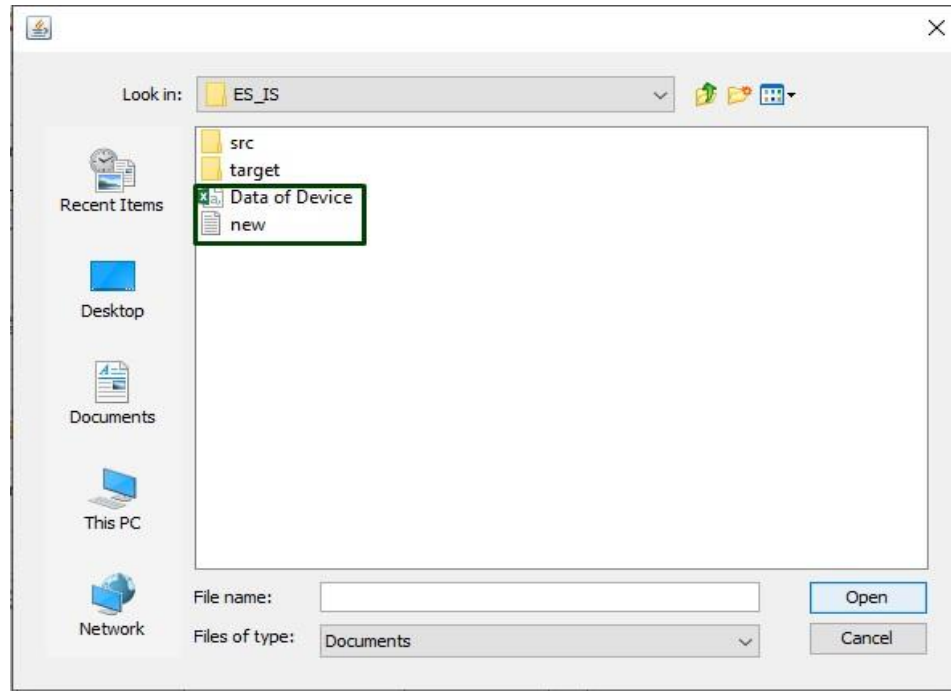


Figure 17: Selecting File

SRS Electronic Store					
File Help					
Device ID	Device Name	Brand	Category	Price	Date
1	Xperia 1	Sony	SmartPhone	85000	12/12/2019
2	Galaxy Note 10	Samsung	SmartPhone	95000	12/13/2019
3	EON17-X	Origins	Laptop	286832	12/14/2019
4	LG Nano 9 Series 4K...	LG	Television	123198	12/15/2019
5	82 Inch QLED Smart...	Samsung	Television	369598	12/16/2019
6	Pixel 4XL	Google	SmartPhone	82992	12/17/2019
7	Playstation 4	Sony	Game Console	54900	12/18/2019

Figure 18: After Import

5. Sorting

Sorting is process of re-arranging the data in ascending or descending order.

Note: In this program, only ascending order has been used.

The screenshot shows the SRS Electronic Store application window. At the top, there is a menu bar with 'File' and 'Help'. Below the menu bar is a table with the following columns: Device ID, Device Name, Brand, Category, Price, and Date. The table contains 7 rows of data. Below the table, there is a search bar with a dropdown menu labeled '-Select Search Item-' and a 'Search' button. Below the search bar, there are two main sections: 'Device Information' and 'Buttons'. The 'Device Information' section contains fields for Device Name, Brand (with a dropdown menu labeled '-Select Brand-'), Category (with radio buttons for SmartPhone, Television, HeadPhone, Laptop, Game Console, and Accessories), Price, and Date (with separate fields for DD, MM, and YYYY). The 'Buttons' section contains buttons for Add, Update, Remove, Clear, and Exit.

Device ID	Device Name	Brand	Category	Price	Date
1	Xperia 1	Sony	SmartPhone	85000	12/12/2019
2	Galaxy Note 10	Samsung	SmartPhone	95000	12/13/2019
3	EON17-X	Origins	Laptop	286832	12/14/2019
4	LG Nano 9 Series 4K...	LG	Television	123198	12/15/2019
5	82 Inch QLED Smart...	Samsung	Television	369598	12/16/2019
6	Pixel 4XL	Google	SmartPhone	82992	12/17/2019
7	Playstation 4	Sony	Game Console	54900	12/18/2019

-Select Search Item- Search Search

Device Information

Device Name

Brand -Select Brand- ▾

Category ☐ SmartPhone ☐ Television
☐ HeadPhone ☐ Laptop
☐ Game Console ☐ Accessories

Price

Date DD MM YYYY

Buttons

Add
Update
Remove
Clear
Exit

Figure 19: Data to Sort

Step 1: Click Column Header to sort the data.




SRS Electronic Store

File Help

Device ID	Device Name	Brand	Category	Price	Date
5	82 Inch QLED Smart...	Samsung	Television	369598	12/16/2019
3	EON17-X	Origins	Laptop	286832	12/14/2019
2	Galaxy Note 10	Samsung	SmartPhone	95000	12/13/2019
11	IER-Z1R Signature ...	Sony	Accessories	190400	12/22/2019
4	LG Nano 9 Series 4K...	LG	Television	123198	12/15/2019
6	Pixel 4XL	Google	SmartPhone	82992	12/17/2019
7	Playstation 4	Sony	Game Console	54900	12/18/2019

Figure 20: Sorted According to Device Name

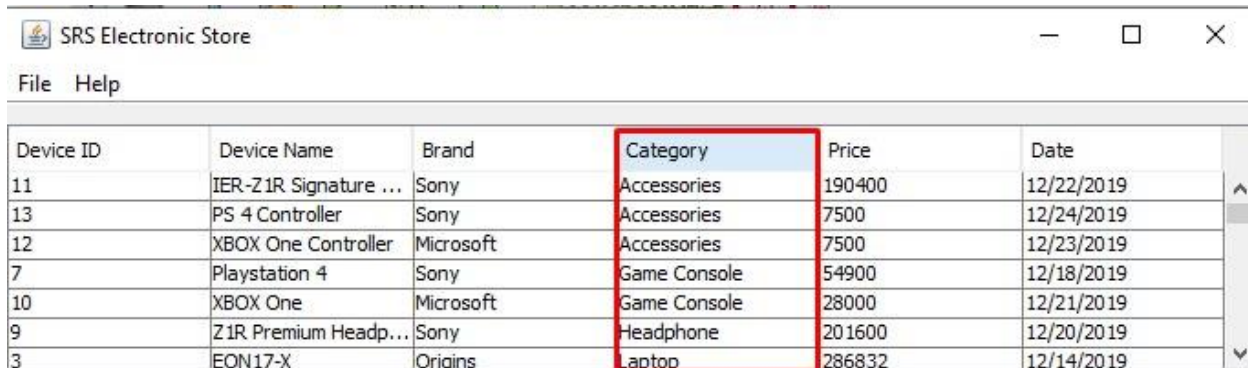


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Device ID	Device Name	Brand	Category	Price	Date
6	Pixel 4XL	Google	SmartPhone	82992	12/17/2019
8	V50 ThinQ	LG	SmartPhone	112000	12/19/2019
4	LG Nano 9 Series 4K...	LG	Television	123198	12/15/2019
12	XBOX One Controller	Microsoft	Accessories	7500	12/23/2019
10	XBOX One	Microsoft	Game Console	28000	12/21/2019
3	EON17-X	Origins	Laptop	286832	12/14/2019
2	Galaxy Note 10	Samsung	SmartPhone	95000	12/13/2019

Figure 21: Sorted According to Brand



SRS Electronic Store

File Help

Device ID	Device Name	Brand	Category	Price	Date
11	IER-Z1R Signature ...	Sony	Accessories	190400	12/22/2019
13	PS 4 Controller	Sony	Accessories	7500	12/24/2019
12	XBOX One Controller	Microsoft	Accessories	7500	12/23/2019
7	Playstation 4	Sony	Game Console	54900	12/18/2019
10	XBOX One	Microsoft	Game Console	28000	12/21/2019
9	Z1R Premium Headp...	Sony	Headphone	201600	12/20/2019
3	EON17-X	Origins	Laptop	286832	12/14/2019

Figure 22: Sorted According to Category



SRS Electronic Store

File Help

Device ID	Device Name	Brand	Category	Price	Date
12	XBOX One Controller	Microsoft	Accessories	7500	12/23/2019
13	PS 4 Controller	Sony	Accessories	7500	12/24/2019
10	XBOX One	Microsoft	Game Console	28000	12/21/2019
7	Playstation 4	Sony	Game Console	54900	12/18/2019
6	Pixel 4XL	Google	SmartPhone	82992	12/17/2019
14	Xperia 1 Plus	Sony	SmartPhone	85000	12/25/2019
1	Xperia 1	Sony	SmartPhone	85000	12/12/2019

Figure 23: Sorted According to Price