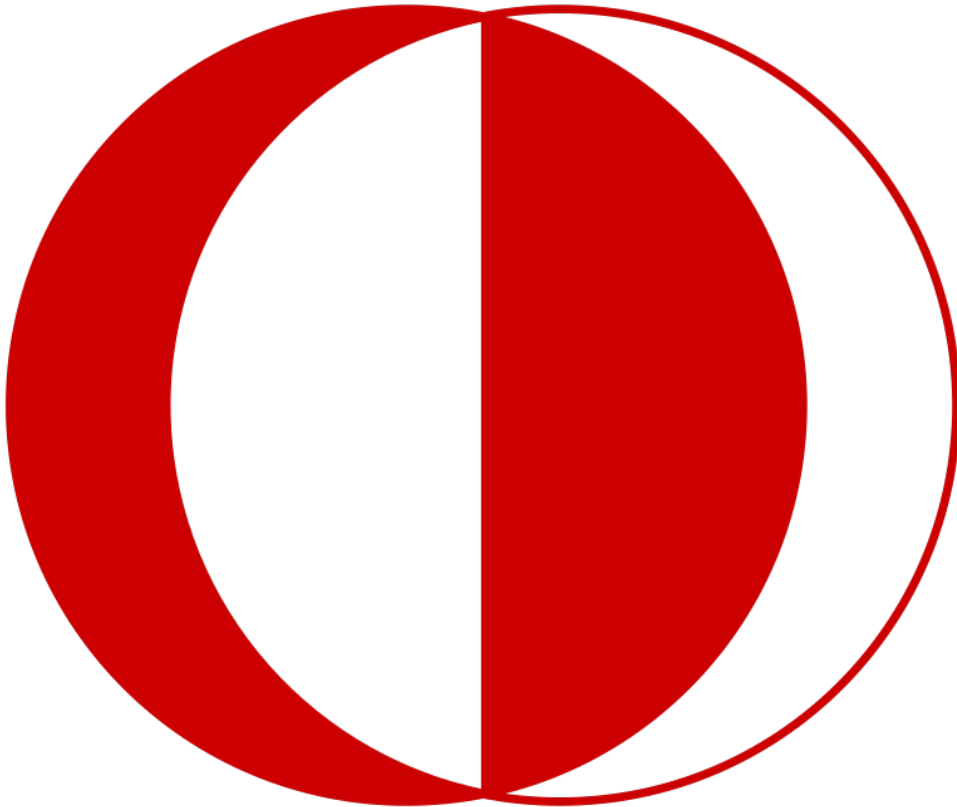


CNG 457 – Project Phase IV

Desktop Application Development with Graphical User Interface



Team-14 Desktop App USER MANUAL

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This project has actually two parts, web service that is designed to support interoperable machine-to-machine interaction over a network and a GUI based desktop application that consumes the web service. In this phase we were responsible from the second part, GUI development of the desktop application. In this application users are able to search and compare products individually classified by phones and computers.

When you run the app, the window on the image below is displayed.

The screenshot shows a desktop application window titled "TEAM 14 Desktop App". The interface includes a category selector at the top with "Phone" and "Computer" tabs, where "Computer" is currently selected. Below this are two dropdown menus for "Model" and "Brand". To the right of these is a "Get Products" button. Further down, there are two more buttons: "Press For Fun" and "Compare". On the left side, there is a table with three columns: "Product", "Feature", and "Price". The table is currently empty, displaying the text "No content in table". At the bottom of the window, there is a section titled "Comparision Based on Basic Information" (note the spelling). This section contains a table with eight columns: "Brand", "Model", "Screen Size", "Resolution", "Processor", "Memory", "Storage", and "Price". This table is also empty, displaying the text "No content in table".

Product	Feature	Price
No content in table		

Comparision Based on Basic Information

Brand	Model	Screen Size	Resolution	Processor	Memory	Storage	Price
No content in table							

Products stored in the database can be searched by using the highlighted section. Search results can be filtered by product type (Phone or Computer), product model and brand.

TEAM 14 Desktop App

PhoneComputer

Model

Brand

Search Criteria section

Get Products

Press For Fun

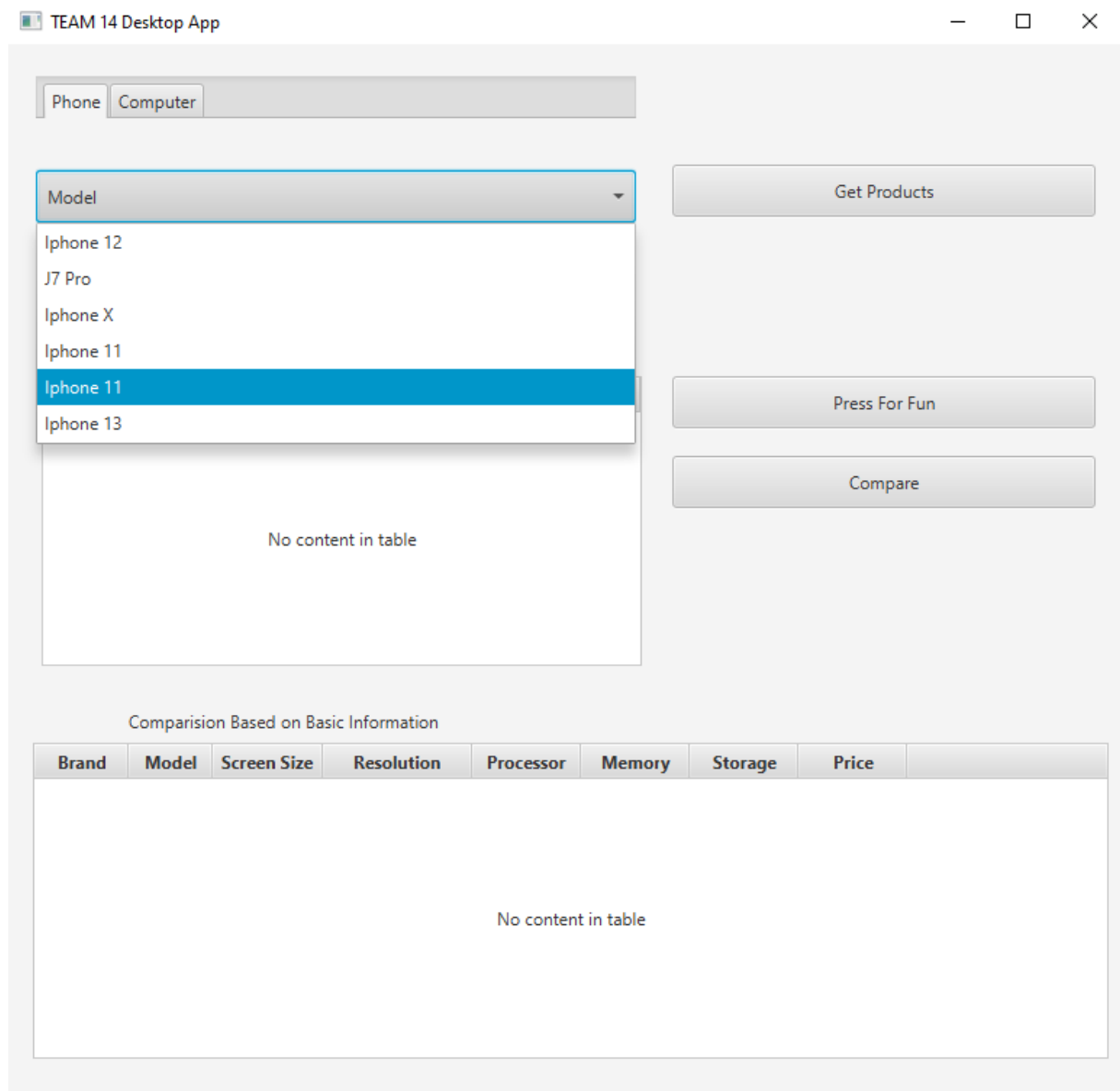
Compare

Product	Feature	Price
No content in table		

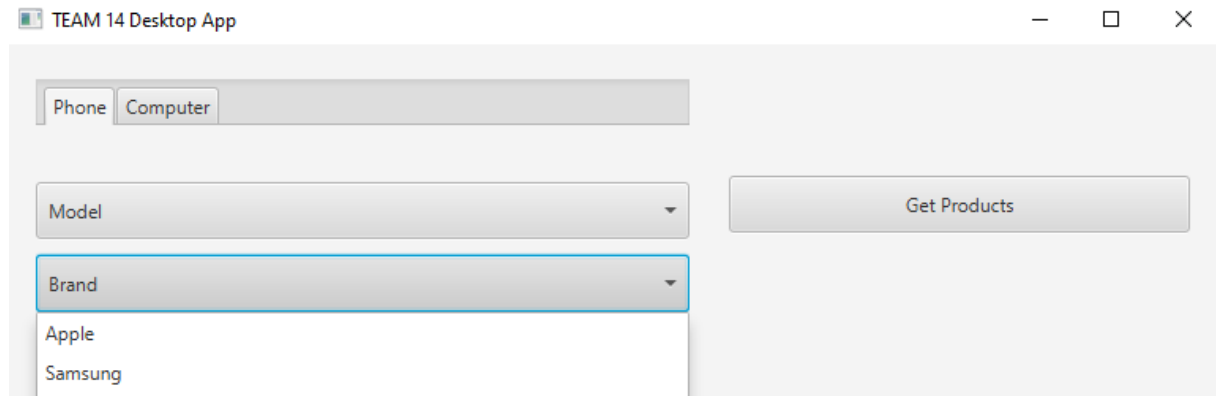
Comparison Based on Basic Information

Brand	Model	Screen Size	Resolution	Processor	Memory	Storage	Price
No content in table							

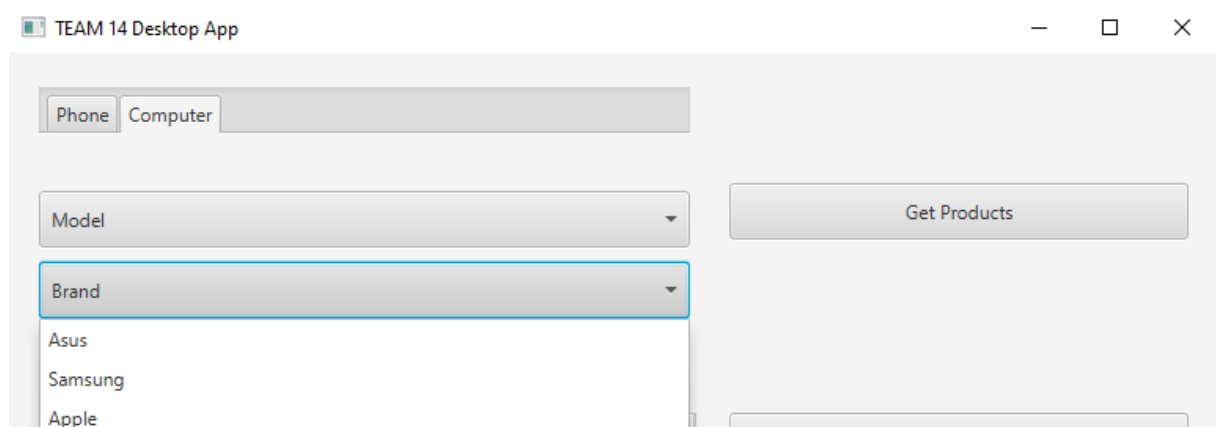
In the given scenario, phone tab is clicked. In order to search by model, model tab can be clicked and model information of available products are listed under the model tab as shown below:



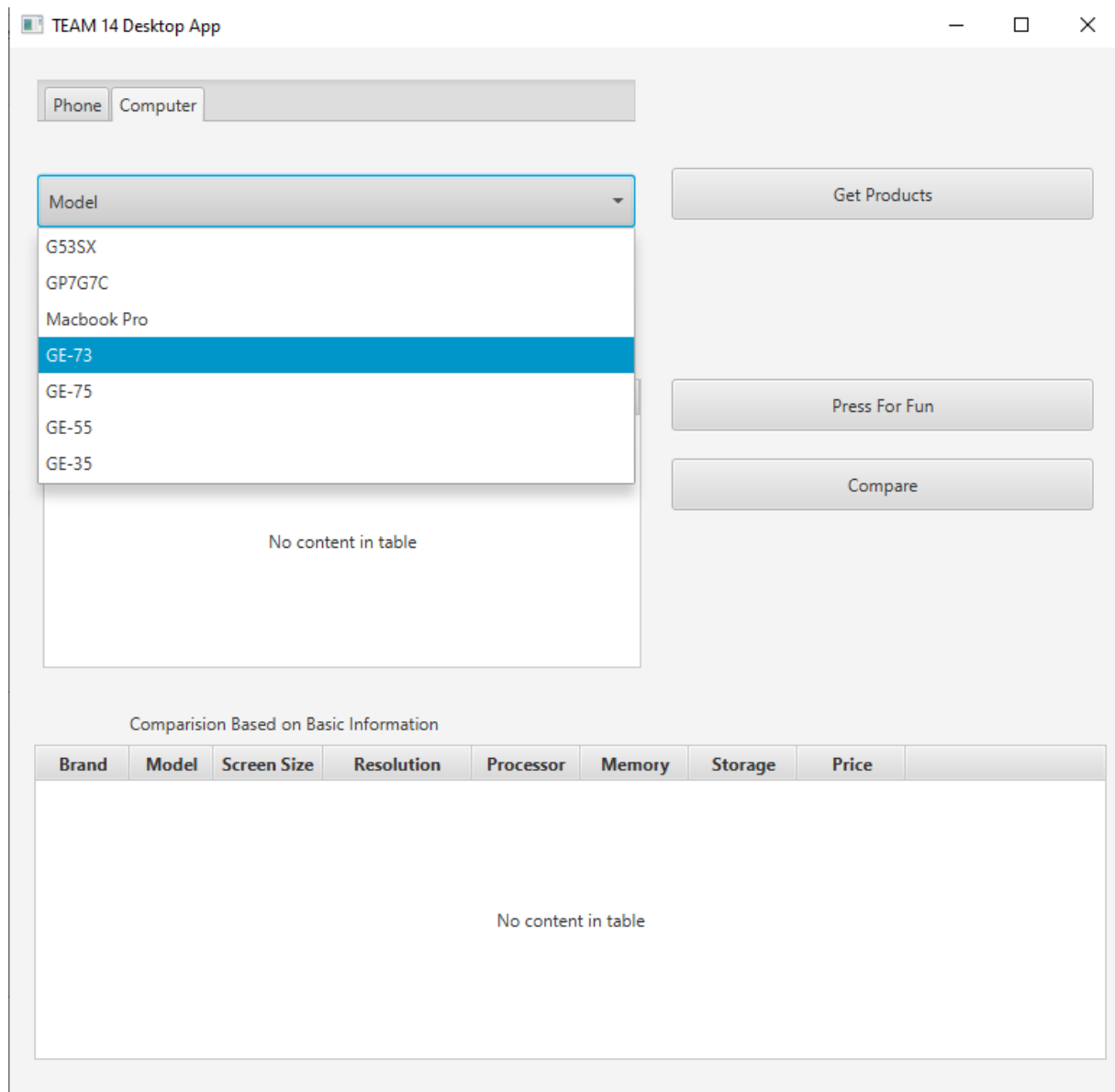
Users may want to filter their search criteria by searching for a specific brand. As you can see on the image below, phone tab is clicked. When brand combobox is clicked, list of brands are displayed under the brand tab



In this image below, computer tab is clicked and the list of computer brands are shown just like in phone tab showed above.



This figure shows what happens when user clicks on model tab after the computer tab is clicked.



After the 'Get Products' is clicked, result is displayed according to the search criteria provided by the model and brand comboboxes. They are filtered accordingly and displayed in the below table view as can be seen in the given figure. This example shows a scenario that user searches phones only with brand.

TEAM 14 Desktop App

PhoneComputer

Model

Apple

Get Products

Press For Fun

Compare

Product	Feature	Price
Iphone 12	Large Storage, Large Screen	15000.0
Iphone X	Large Storage, Large Screen	29899.6
Iphone 11	Large Storage, Small Screen	3899.58
Iphone 11	Large Storage, Small Screen	4899.58
Iphone 13	Large Storage, Large Screen	33899.6

Comparison Based on Basic Information

Brand	Model	Screen Size	Resolution	Processor	Memory	Storage	Price
No content in table							

This is also another example of a scenario that user only searches phone only by giving a desired phone model.

TEAM 14 Desktop App

Phone Computer

Iphone 11

Brand

Get Products

Product	Feature	Price
Iphone 11	Large Storage, Small Screen	3899.58
Iphone 11	Large Storage, Small Screen	4899.58

Press For Fun

Compare

Comparison Based on Basic Information

This below image shows an example that user searches computers filtered according to their brands only.

TEAM 14 Desktop App

PhoneComputer

Model

Asus

Get Products

Product	Feature	Price
Asus	Large Memory, Large Storage	15501.5
Asus	Large Memory, Large Storage	45589.8
Asus	Large Memory, Large Storage	55589.8
Asus	Large Memory, Large Storage	15589.8
Asus	Small Memory, Small Storage	5589.8

Press For Fun

Compare

Comparison Based on Basic Information

Brand	Model	Screen Size	Resolution	Processor	Memory	Storage	Price
No content in table							

This below image shows an example that user searches computers filtered according to their models only.

TEAM 14 Desktop App

Phone

Computer

GE-73

Brand

Get Products

Press For Fun

Compare

Product	Feature	Price
Asus	Large Memory, Large Storage	45589.8

Comparison Based on Basic Information

Brand	Model	Screen Size	Resolution	Processor	Memory	Storage	Price
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This below image shows an example that user searches computers filtered according to their brands only. And whenever they are selected and pressed to Compare button, all selected products are passed to the compare table below the page and all their details are given in each column for comparison.

[illegible]

In the example below phones with brand Apple are searched and compared below in the compare table. The columns are added dynamically to the table view with respect to product attributes and their names.

[illegible]

In this scenario below user searches phone with two criteria, model and brand. When get products is clicked, the filtered products are displayed in the table below.

TEAM 14 Desktop App

Phone

Computer

J7 Pro

Samsung

Get Products

Product	Feature	Price
J7 Pro	Large Storage, Small Screen	1554.92

Press For Fun

Compare

Comparison Based on Basic Information

Brand	Model	Screen Size	Resolution	Processor	Memory	Storage	Price
No content in table							

In this scenario below user searches computer with both criteria, model and brand just like the example above and the filtered products are displayed in the table.

TEAM 14 Desktop App

PhoneComputer

Macbook Pro

Apple

Get Products

Product	Feature	Price
Apple	Large Memory, Small Storage	25500.6

Press For Fun

Compare

Comparison Based on Basic Information

Brand	Model	Screen Size	Resolution	Processor	Memory	Storage	Price
No content in table							