

# Play market application.

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## Brief description:

You need to develop an application interface “Play market” using app.csv file, which contains information about the applications (rating, name, category, etc.).

You will have to do filtering on the app attributes, make output of these filters. You also need to make two subwindows:

- 1) with a detailed description of the selected application.
- 2) clickable counter (shopping cart)

## Dataset:

<https://www.kaggle.com/code/kamganganthony/the-android-app-market-on-google-pla/data>

There are 9 features that describe a given app.

App: Name of the application

Category: Category of the application. Some examples are: ART\_AND\_DESIGN, FINANCE, COMICS, BEAUTY etc.

Rating: The current average rating (out of 5) of the app on Google Play.

Reviews: Number of user reviews given on the app

Size: Size of the app in MB (megabytes)

Installs: Number of times the app was downloaded from Google Play

Type: Whether the app is paid or free

Price: Price of the app in US\$

Last Updated: Date on which the app was last updated on Google Play

## Things to do:

### 1. Search string

The user should be able to find the app he needs by its name.

### 2. Primary filtration

#### 1.1. Filtering by category -> select the desired categories from the list

When you click on the button "category" appears a list with all the categories when you click again, it disappears.

#### 1.2. filtering by price -> free/paid subwindow (you can choose both at the same time) (if you choose paid, then below appears a slider with the maximum price range setting)

#### 1.3. "Reset all filters" button - resets all selected filters

#### 1.4. "Apply filters" button - applies all selected primary filters

### 2. Sorting (sorting can work both with and without filters selected (if the "apply filters" button is not pressed))

#### 2.1. sorting by price: from more to less / from less to more / none (the values change when you press the button)

#### 2.2. sorting by popularity (by number of downloads): from more to less / from less to more / none (values can be changed by pressing the button)

#### 2.3. sorting by rating : from more to less / from less to more/ none (values change when pushing the button)

Each time we press the button, the corresponding arrow appears (up, down, no arrow)

3. The order in which the information is displayed in the table according to the selected sorting and filtering method (from left to right):

application name - category - rating - price - "add to cart" button

When you click on the application name, a pop-up window appears that contains additional information about the application: title, category, price, number of installations, last update date, number of reviews, exit button.

### **Optional :**

Add a "shopping cart" button to the filter section that shows the number of apps added to it. When you click on the "cart" button, a pop-up window will appear with a table of added applications and a button to close the window.

The following information should appear *above* the table: the total number of applications added and their total price.

The table must contain the name of the application and its price.

The table must also include a column with the button to remove the application from the cart.

### **User interface.**

The following picture shows an example of the interface that you need to create:

*Note:* All buttons highlighted in yellow must be clickable.

