

Java Programming Project

Submission Date: 2017/ 06/ 10

Let's say that are Keimyung University library manager. You are requested by the President of KMU to categorize the books into groups, as shown below: -

- 1) Action
- 2) Funny
- 3) Horror

All the books have three attributes: (a) name, (b) type, and (c) id. These books are stored in a text file called "books.txt". The sample of the text file is shown as below.

```
Dracula Horror 189424
Divergent Action 293513
Emma Funny 239592
Puckoon Funny 945624
Insurgent Action 120492
Mort Funny 348920
Frankenstein Horror 398321
Perfect Funny 397204
Carrie Horror 291843
Mockingjay Action 203834
Pat Funny 391832
Haunted Horror 248200
```

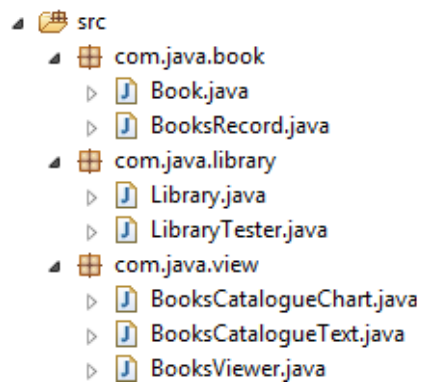
Create a program to generate the summary of all books in the library to show to the President of KMU. You feel free to build your own program in creative way. The President's satisfaction is based on the following criteria(평가 기준):

1. 소스코드 조직 (Code organization)
2. 클래스 사용법 (Class Usage)
3. Graphics (design, colors, and etc.)
4. Correct and smooth outputs (no errors)
5. Extra features, such as adding new books (or new groups), delete or update existing books (or groups).

중요 사항(Notice): Students are allowed to team up with **maximum 3 students** to finish this project. Doing solo will get extra bonus, but also based on evaluation points mentioned above. Try to be creative as possible. There are no standard rules in implementing the project.

Sample Output:

Source Coding Organization: -



Menu:-

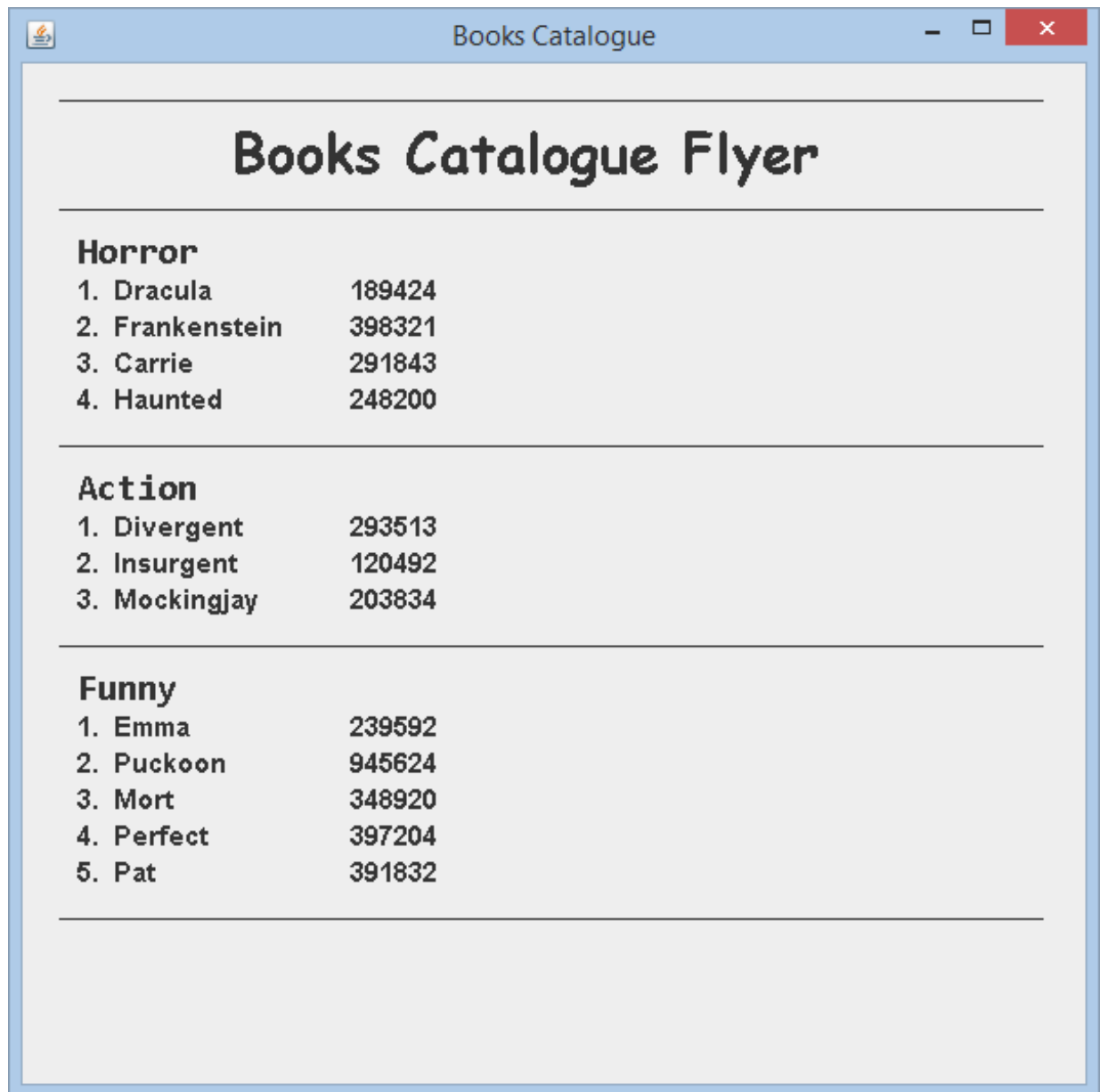
Online Library System

1. Show Catalogue Flyer.
2. Show Catalogue Bar Chart.
3. Generate Catalogue Text File.
0. Quit.

Enter your choice:

Choice 1:

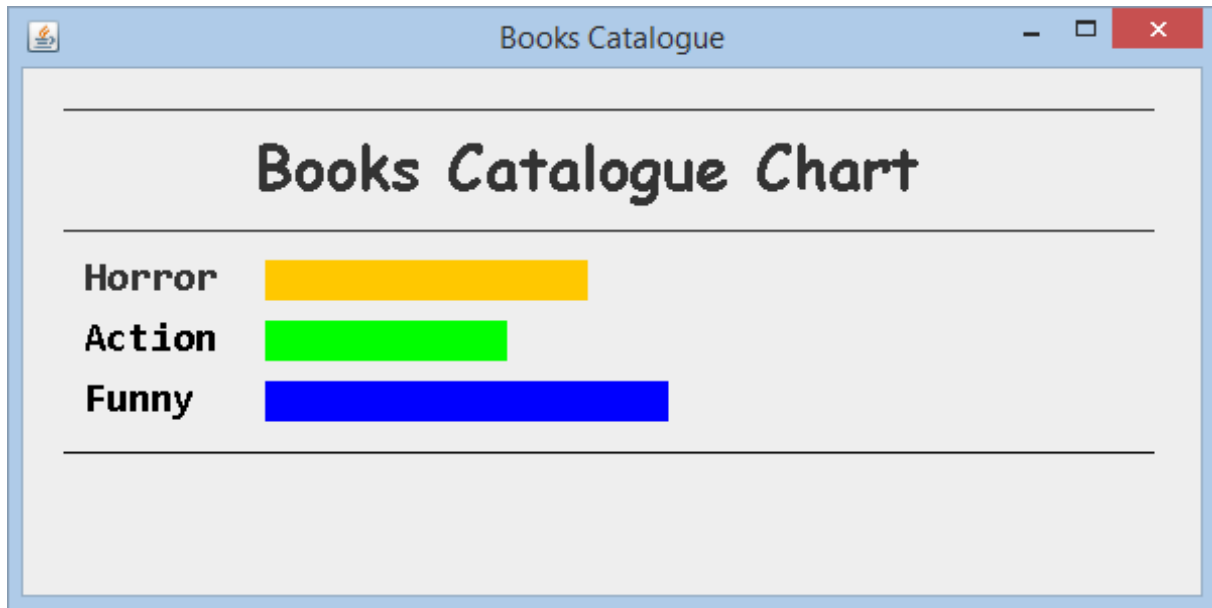
This generates the catalog that categorized books into their respective groups, showing their name and also their id.



Books Catalogue Flyer	
Horror	
1. Dracula	189424
2. Frankenstein	398321
3. Carrie	291843
4. Haunted	248200
Action	
1. Divergent	293513
2. Insurgent	120492
3. Mockingjay	203834
Funny	
1. Emma	239592
2. Puckoon	945624
3. Mort	348920
4. Perfect	397204
5. Pat	391832

Choice 2:

This generates bar chart to illustrate the number of books in each group in the library.



Choice 3:

This generates three different text files for each book type in the library.

- action.txt
- books.txt
- funny.txt
- horror.txt

books.txt

```
Dracula Horror 189424
Divergent Action 293513
Emma Funny 239592
Puckoon Funny 945624
Insurgent Action 120492
Mort Funny 348920
Frankenstein Horror 398321
Perfect Funny 397204
Carrie Horror 291843
Mockingjay Action 203834
Pat Funny 391832
Haunted Horror 248200
```

action.txt

```
Divergent 293513
Insurgent 120492
Mockingjay 203834
```

horror.txt

```
Dracula 189424
Frankenstein 398321
Carrie 291843
Haunted 248200
```

funny.txt

```
Emma 239592
Puckoon 945624
Mort 348920
Perfect 397204
Pat 391832
```