

Report On Feedback Rating Calculator

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OVERVIEW

- Feedback rating calculator takes feedback from both positive and negative perspective to provide a better overall rating hence it provides a better overview on online markets and good products.

GOALS

1. Help determine dynamic rating of a product.
2. Provide better rating to customers.
3. Help build a better community online.

SPECIFICATIONS

We will be considering if the customer is willing to provide a Positive/Negative Rating then we will be considering the various aspects of Positive/Negative rating and depending on the type of rating the customer is willing to provide we will set the metrics and then provide the right questions to decide the rating of a product.

TOOLS USED

- Windows 10 operating system
- Java JDK 8
- Eclipse IDE

SOURCE CODE

```
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/*Formula used to calculate Actual Rating of the product is
actual_rating = ((overall_rating*total_rating)+new_rating)/(total_rating+1);
Example:suppose we have no ratings till now then formula will be
overall_rating = 0
total_rating(Number of people who have rated the product) = 0
Rating given by first customer = 4
then ((0*0)+4)/1 = 4
The rating for the product is 4
*/

import java.util.Arrays;
import java.util.Scanner;

public class feedback {

    public static double overall_rating = 0;
    public static int total_rating=0;

    public static void main(String[] args) {

        int m=0;
        double pavg1;
        double navg1;
        int count = 0;
        double rating = 0;
        System.out.println("Enter number of customers: ");
        Scanner scan= new Scanner (System.in);
        int n = scan.nextInt();

        for (int x=0;x<n;x++)
        {
            boolean choice = false;
            while(choice !=true)
            {
                System.out.print("\nChoose an option:\n"+
                    "1-positive\n"+
                    "2-negative\n");
                @SuppressWarnings("resource")
                Scanner input = new Scanner(System.in);
                m = input.nextInt();

                switch (m)
                {
                    case 1:pavg1 = positive();
                    choice = true;
                }
            }
        }
    }
}
```

```

        rating = overall(overall_rating, x, pavg1);
        System.out.println(rating);
        count++;
        break;

        case 2:navg1 = negative();
        choice = true;
        rating = overall(overall_rating, x, navg1);
        System.out.println(rating);
        count++;
        break;

        default:System.out.println("Enter valid option");
        break;
    }
}
}
}

private static double overall(double overall_rating2, int total_rating, double
new_rating) {
    double actual_rating;
    actual_rating = ((overall_rating*total_rating)+new_rating)/(total_rating+1);
    overall_rating = actual_rating;
    System.out.println("The overall_rating is: " + overall_rating);
    System.out.println("The total rating is: " + total_rating);
    System.out.println("The rating of the product is: " + actual_rating);
    return actual_rating;
}

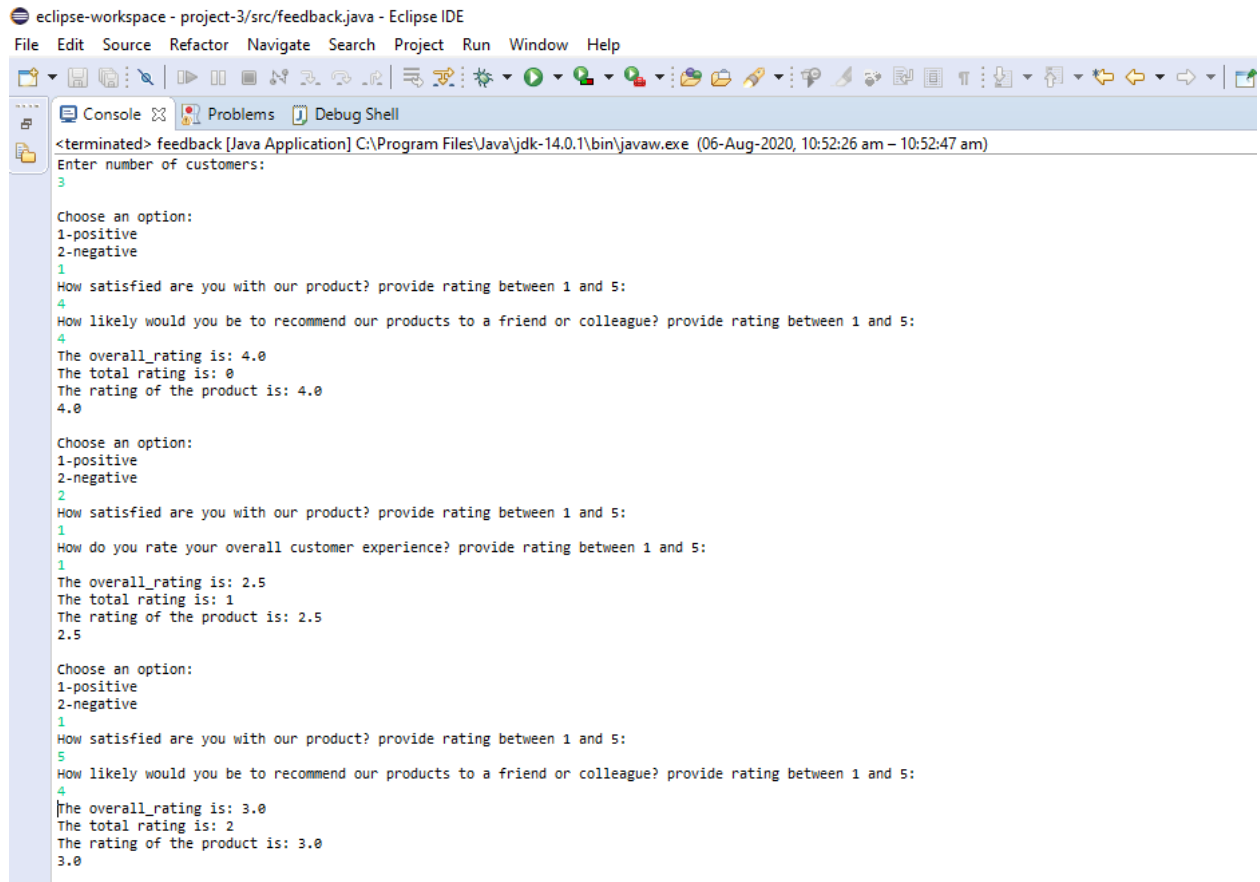
public static double positive() {
    double pavg;
    System.out.println("How satisfied are you with our product? provide rating
between 1 and 5: ");
    Scanner scan=new Scanner(System.in);//To read the input from the user
    int p = scan.nextInt();
    System.out.println("How likely would you be to recommend our products to a
friend or colleague? provide rating between 1 and 5: ");
    Scanner scan1=new Scanner(System.in);//To read the input from the user
    int r = scan1.nextInt();
    pavg = ((p+r)/2);//p and r are the rating given for each question when cus-
tomer selects to give positive review
    return pavg;
}

public static double negative() {
    double navg;
    System.out.println("How satisfied are you with our product? provide rating
between 1 and 5: ");
    Scanner scan=new Scanner(System.in);//To read the input from the user
    int s = scan.nextInt();
    System.out.println("How do you rate your overall customer experience? provide
rating between 1 and 5: ");
    Scanner scan1=new Scanner(System.in);//To read the input from the user
    int e =scan1.nextInt();
    navg = ((s+e)/2);//s and e are the rating given for each question when cus-
tomer selects to give negative review
    return navg;
}

```

```
}  
}
```

OUTPUT



The screenshot shows the Eclipse IDE interface with the 'Console' tab selected. The title bar indicates the workspace is 'project-3/src/feedback.java'. The menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations, editing, and running. The console output shows the execution of a Java application named 'feedback'. The output is as follows:

```
<terminated> feedback [Java Application] C:\Program Files\Java\jdk-14.0.1\bin\javaw.exe (06-Aug-2020, 10:52:26 am - 10:52:47 am)  
Enter number of customers:  
3  
  
Choose an option:  
1-positive  
2-negative  
1  
How satisfied are you with our product? provide rating between 1 and 5:  
4  
How likely would you be to recommend our products to a friend or colleague? provide rating between 1 and 5:  
4  
The overall_rating is: 4.0  
The total rating is: 0  
The rating of the product is: 4.0  
4.0  
  
Choose an option:  
1-positive  
2-negative  
2  
How satisfied are you with our product? provide rating between 1 and 5:  
1  
How do you rate your overall customer experience? provide rating between 1 and 5:  
1  
The overall_rating is: 2.5  
The total rating is: 1  
The rating of the product is: 2.5  
2.5  
  
Choose an option:  
1-positive  
2-negative  
1  
How satisfied are you with our product? provide rating between 1 and 5:  
5  
How likely would you be to recommend our products to a friend or colleague? provide rating between 1 and 5:  
4  
The overall_rating is: 3.0  
The total rating is: 2  
The rating of the product is: 3.0  
3.0
```

eclipse-workspace - project-3/src/feedback.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help



Console Problems Debug Shell

<terminated> feedback [Java Application] C:\Program Files\Java\jdk-14.0.1\bin\javaw.exe (06-Aug-2020, 10:53:36 am – 10:53:48 am)

Enter number of customers:

2

Choose an option:

1-positive

2-negative

1

How satisfied are you with our product? provide rating between 1 and 5:

4

How likely would you be to recommend our products to a friend or colleague? provide rating between 1 and 5:

5

The overall_rating is: 4.0

The total rating is: 0

The rating of the product is: 4.0

4.0

Choose an option:

1-positive

2-negative

2

How satisfied are you with our product? provide rating between 1 and 5:

2

How do you rate your overall customer experience? provide rating between 1 and 5:

2

The overall_rating is: 3.0

The total rating is: 1

The rating of the product is: 3.0

3.0