amazon.in

Project by-

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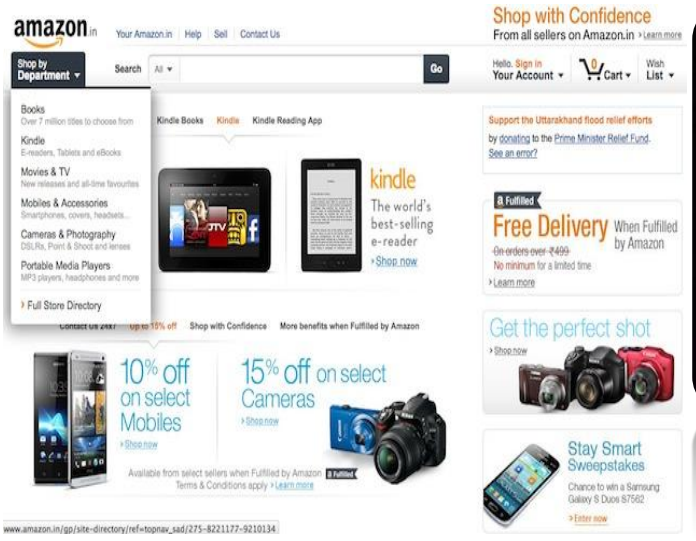
Roll no. 26

N.L. Dalmia High School



Amazon.in - Online shopping

Computer project submitted to

N.L. Dalmia High School

Submitted by

~Nilay Bhatia

Roll no. 26

X-D

Year: 2014-15

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Acknowledgement

With the deepest gratitude I wish to thank every person who has helped me in this project.

I would like to acknowledge and express my gratitude to the following people for the magnificent support and contribution to my journey and to the creation of this project. For generously sharing the wisdom and love I homage to my parents and my computer teacher Ms. Priyanka whose teaching lit a burning fire of desire within me.

Also to my friends and to all who journeyed with me in the completion of this project.

You can mail me your suggestions/feedback. My e-mail ID is nilaybhatia99@gmail.com.

Synopsis

WE live in a world today where technology and the internet is a part of our everyday lives.

The way we shop has radically changed over the last decade. With the mushrooming of malls, branded stores and high couture outlets there is no dearth of options for the Indian consumer. With all the emerging options in variety and selection it comes as no surprise that the Indian online retail industry has also seen a radical surge in growth. With options galore for everything under the sun including furniture, electronics, books, groceries, appliances and entertainment, there is scarcely any item that can't be yours in just a few clicks.

Keeping this in mind, Amazon.in is an online shopping application that allows you to buy products. It is a useful application because it is user friendly. It is a small scale replication of the actual Amazon site.

The program has the following features:

- You can create your own account and then login to buy products.
- The project uses Exception Handling; so only correct inputs will be taken.
- You can buy from the following three categories.
  1. Mobiles and tablets
  2. Desktops and laptops
  3. Books
- You can enter your choice by keyboard. You will then be asked for the quantity.
- A special option called Deals of the Day has a few products at a discounted price. These products vary every time you select the option.
- Your bill will be automatically generated and the amount will be printed. The amount is payable on delivery of the product.

Concepts Implemented

- I/O statements
- Loops
  - For loop
  - While loop
  - Nested for loop
- Decision statements
  - If
  - If-else
  - Switch case
- Escape sequences
  - \f
  - \n
- Arrays
  - Single Dimensional array
  - Performing linear search on the array
- Object creation
- Functions
  - Non-parameterized
  - Receiving values but not returning outcome to the caller
- String manipulation
- System.out.println statements
- Exception handling (try-catch)

- Continue and break statements
- Operators
    - Arithmetic
        - Unary
    - Relational
    - Logical
- Constructors
    - Default constructor
- Random function
- Static variables
- Date class

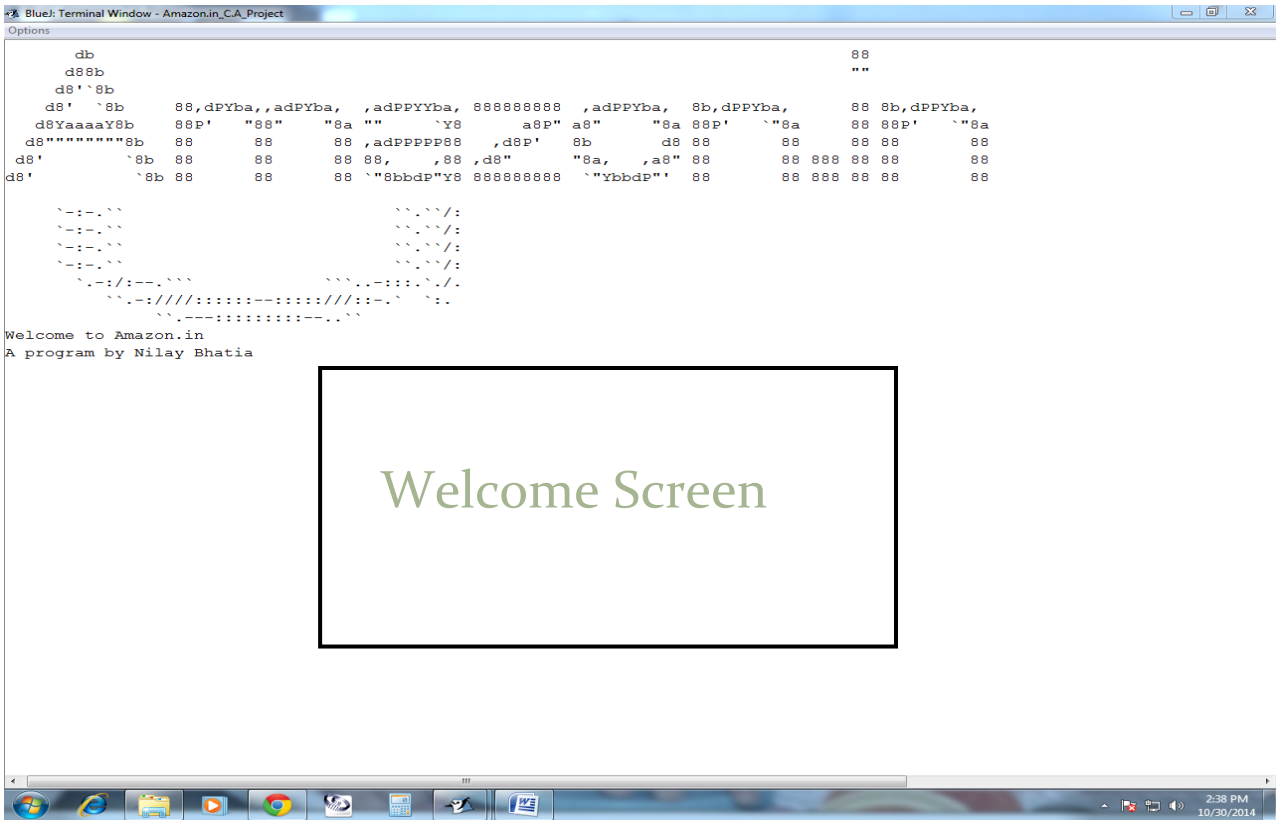
Source code

List of variables

Sr. no.	Data type/Class	Name of variable/object	Description
1	int	i	to accept input in main menu
2	String	user_name[ ]	to accept user name during signup
3	String	user_name1	to accept user name during login
4	String	pass[ ]	to accept the password during signup
5	String	pass1	to accept password during login
6	String	mail	to store user's e-mail ID
7	int	j	counter for loop
8	long	j	counter for null loop
9	long	m	to store customer's mobile no.
10	String	mb	to store mobile no. as String
11	int	choice	to take user's choice
12	int	len	to store length of model name
13	int	c	counter for loop
14	int	r1	random number to select an array
15	int	r2	random number to select an array
16	int	r3	random number to select an array
17	int	d1	to determine discount on mobiles
18	int	d2	to determine discount on laptops
19	int	d3	to determine discount on books
20	int	custChoiceno	to take user's product's serial no.
21	int	custQuan	to take quantity of the product
22	int	custInd	to add multiple items to the customer's cart
23	String	custChoice	to store user's product choice
24	int	custChoiceno	to accept user's product choice no.
25	int	custPrice	to store price user's choice
26	String	prod[ ]	to store bought products in cart
27	String	prodPrice[ ]	to store price of the bought item in cart
28	String	prodQuan[ ]	to store quantity of the bought item in cart
29	boolean	b	to check if user has paid the bill
30	double	custTotal	to print total on the bill
31	int	cust	to keep track of multiple customers
32	boolean	flag	to check whether the user has paid the bill or not
33	double	d	counter for loop
34	String	g	to store date
35	long	i	counter for loop
36	int	currentUser	to store the current user during Linear search
37	String	mobName[ ]	to store mobile's name
38	int	mobPrice[ ]	to store mobile's price
39	String	mobOs[ ]	to store mobile's OS name
40	String	mobSize[ ]	to store mobile's screen size
41	String	mobCam [ ]	to store mobile's camera size
42	String	lapName[ ]	to store laptop's name

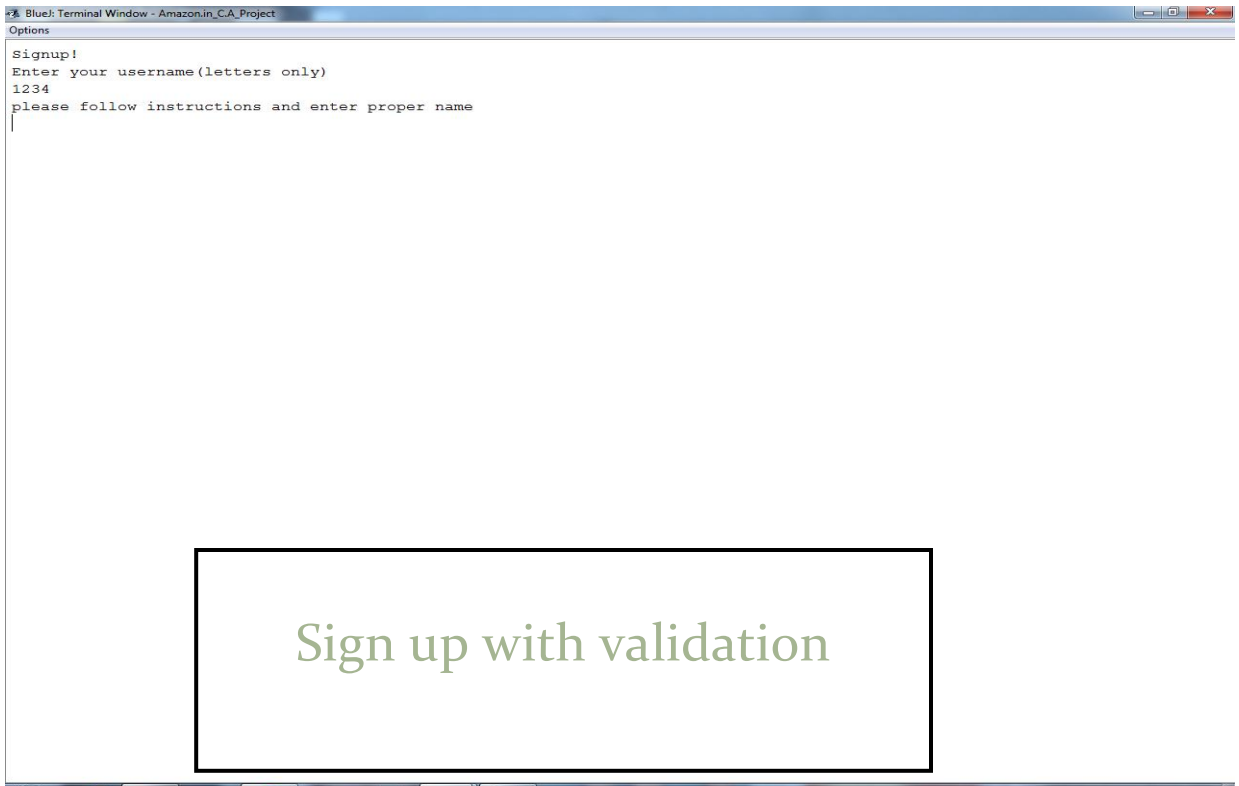
43	String	lapOs[ ]	to store laptop's OS name
44	int	bookPrice [ ]	to store laptop's price
45	String	lapSize [ ]	to store laptop's storage capacity
46	String	lapScreen[ ]	to store laptop's screen size
47	String	bookName[ ]	to store book's name
48	String	bookAuth[ ]	to store author's name
49	int	bookPrice [ ]	to store book's price
50	String	bookPub [ ]	to store book's publisher

Output

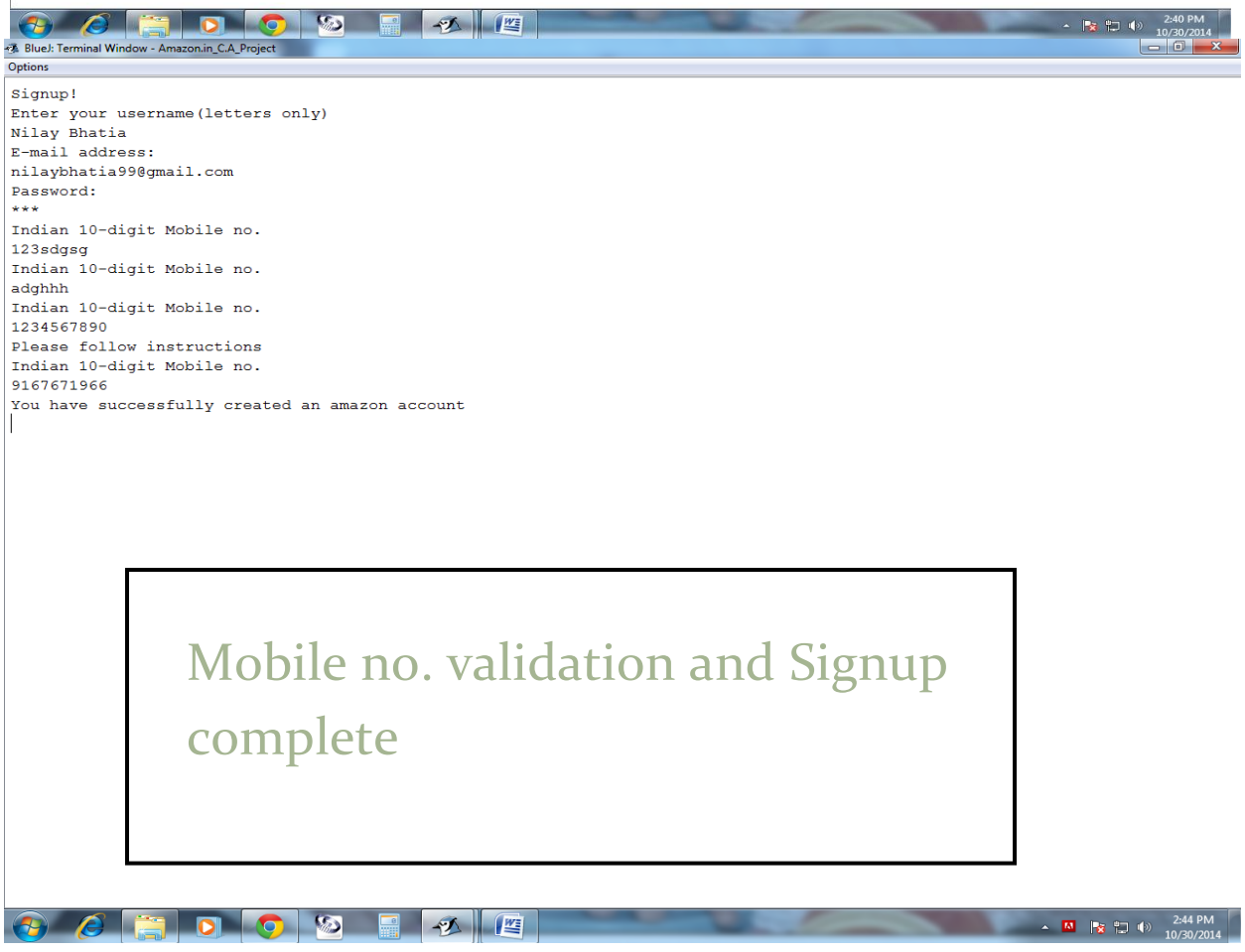


Welcome Screen

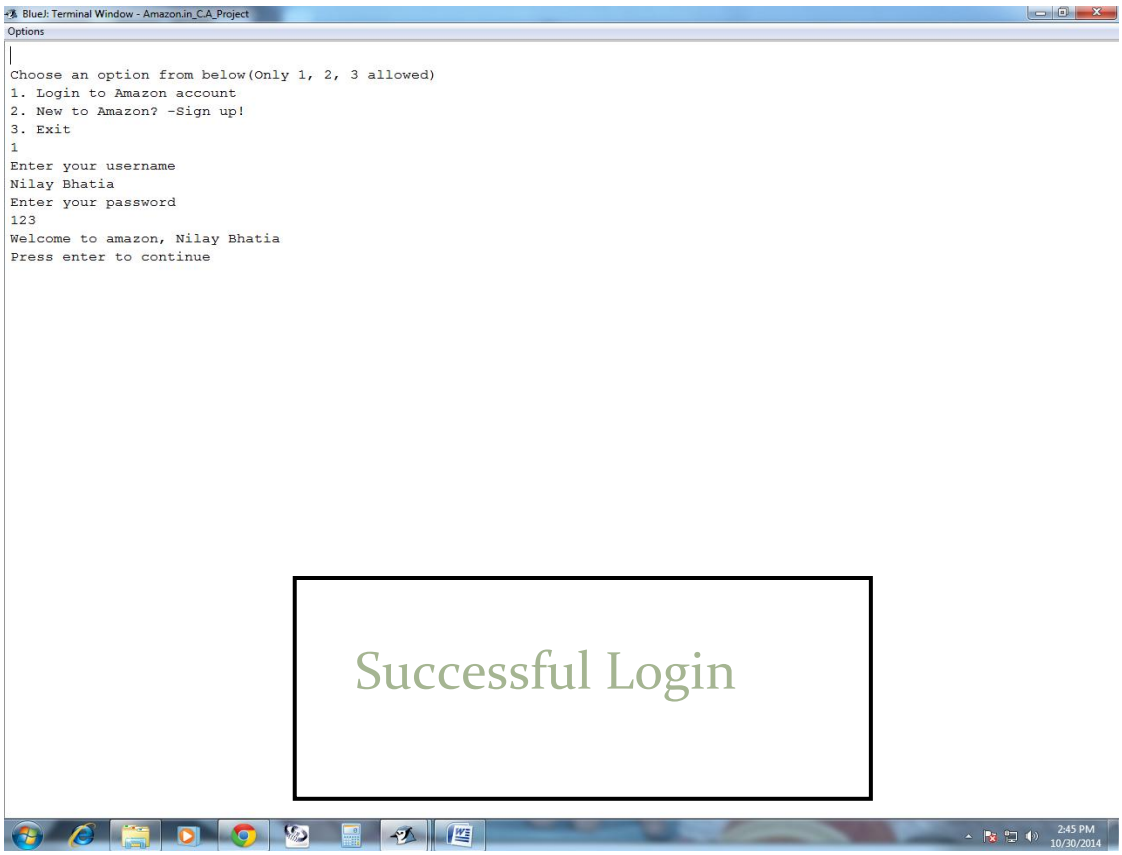
Main Screen



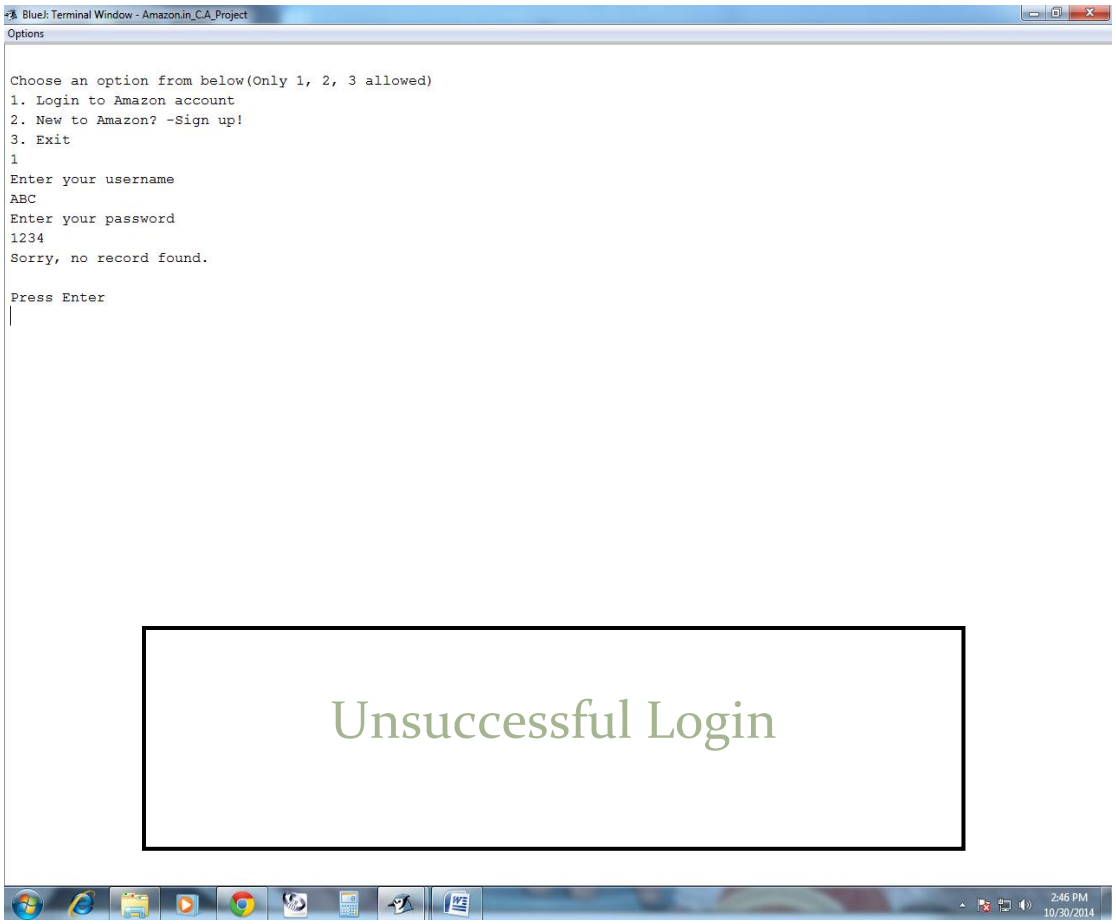
Sign up with validation



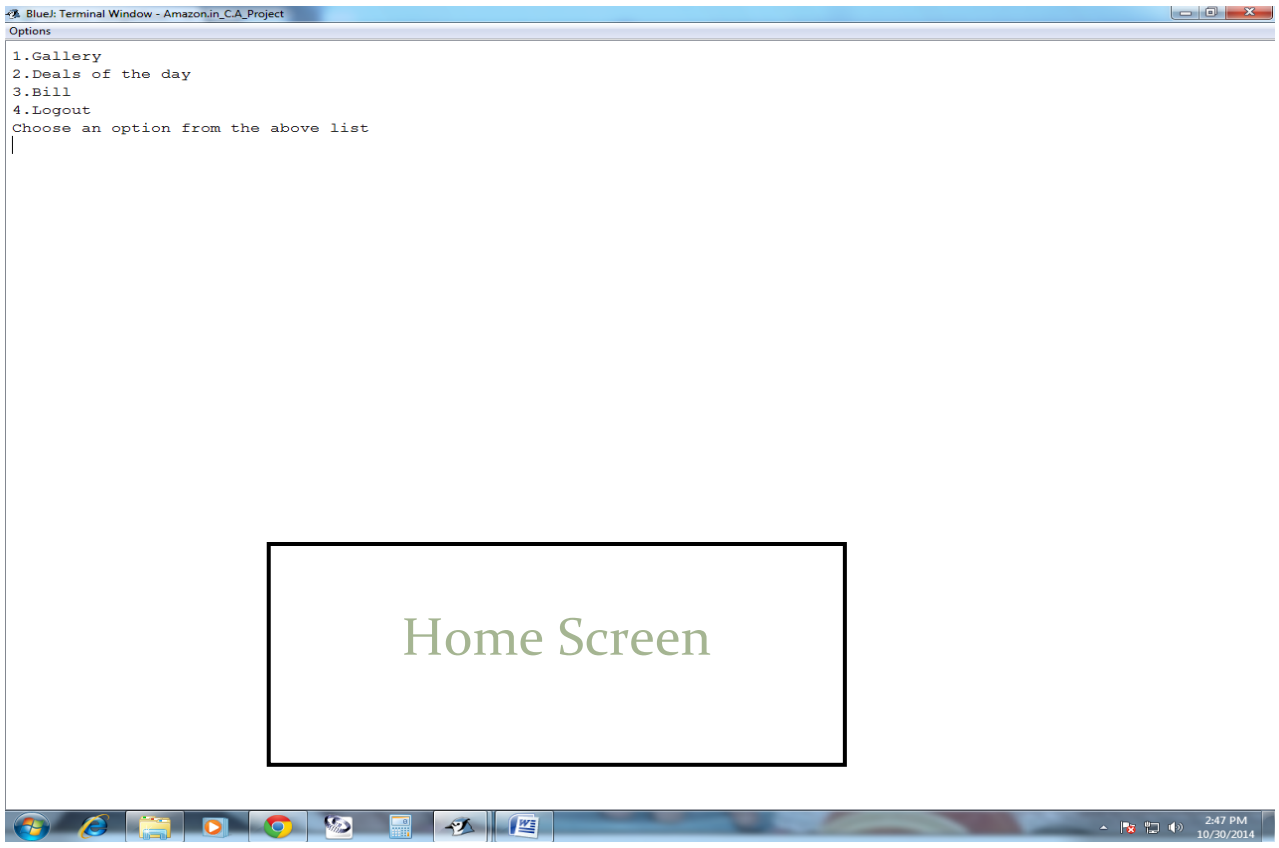
Mobile no. validation and Signup complete



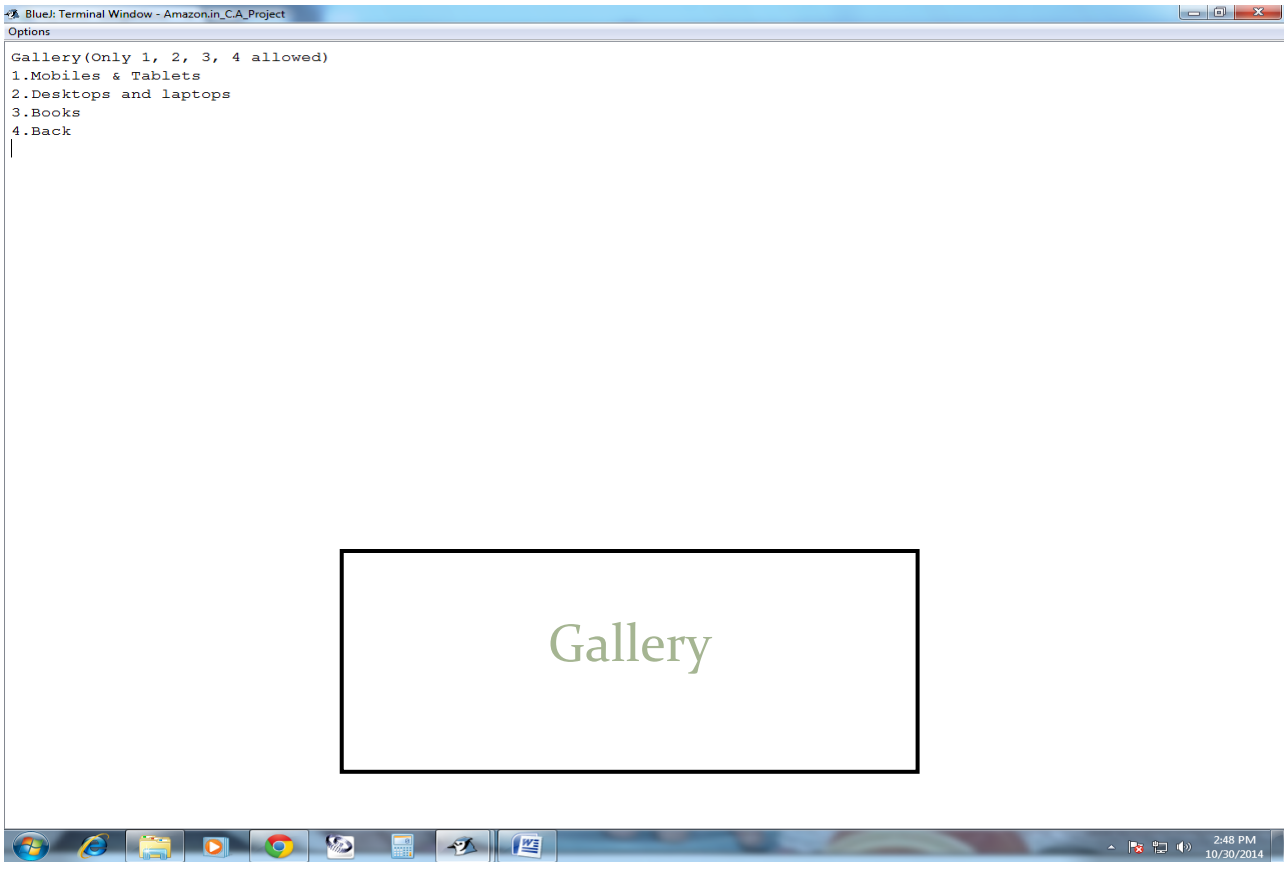
Successful Login



Unsuccessful Login



Home Screen



Gallery

Different products in gallery:

BlueJ: Terminal Window - Amazon.in_C.A_Project

Options

```
Mobiles & Tablets:
-------------------------------------------------------------------------------------------------
  Name                                                  OS                 Screen(")   Camera      Price
-------------------------------------------------------------------------------------------------
1 Moto E Dual Sim                                       Android v4.4       4.3         5 MP        Rs 6999
2 Apple iPhone 5S(Gold, with 16 GB)                     iOS 7              6.7         8 MP        Rs 44500
3 Apple 16GB iPad Mini with Wi-Fi(16 GB, Wi-Fi)         iOS 6              9.7         5 MP        Rs 18999
4 Samsung Galaxy P3100 Tablet (Silver)                  Android v4.1       7           3 MP        Rs 15499
5 Samsung 8.9" Galaxy P7300 Tablet                      Android v3.0       8.9         4 MP        Rs 24994
6 Sony SGPT113IN/S 9.4" Tablet                          Android v3.2       9.4         2 MP        Rs 29990
7 Nokia Lumia 830(Black)                                Windows Phone 8.1  5           7 MP        Rs 28248
8 Micromax Funbook 4 GB  Tablet                         Android v4.0       7           3 MP        Rs 6499
9 Micromax Funbook Pro                                  Android v4.0.3     10.1        6 MP        Rs 9899


Enter your choice:(Press 0 to go back)
2
Enter quantity(less than 7)
1
This item was successfully added to your cart.
Apple iPhone 5S(Gold, with 16 GB)
```

BlueJ: Terminal Window - Amazon.in_C.A_Project

Options

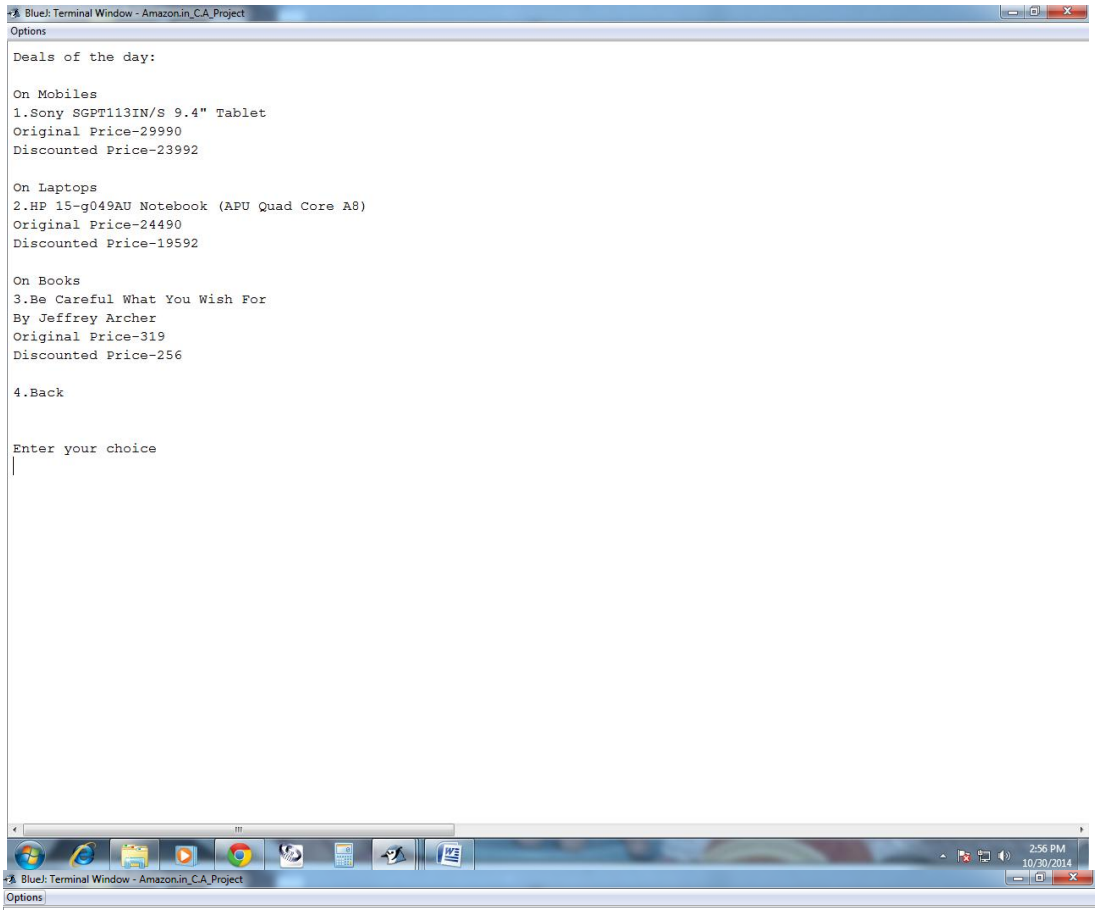
```
Laptops
-------------------------------------------------------------------------------------------------------
  Name                                                  OS                 Storage     Screen      Price
-------------------------------------------------------------------------------------------------------
1 Lenovo B4030 Notebook (Celeron Dual Core)             Windows 8          500 GB      14.1        Rs 21990
2 HP 15-g049AU Notebook (APU Quad Core A8)              Windows 8.1        500 GB      15.6        Rs 24490
3 Dell Inspiron 15 3542 Notebook (Intel core i3)        Windows 8          500 GB      15.6        Rs 33250
4 Lenovo Ideapad G50 (Intel Core i3 )                   Windows 8          1000 GB     15.6        Rs 37110
5 HP All-In-One 20-2110(Pentium)                        Windows 8.1        500 GB      19.45       Rs 24590
6 HP 15-r014TX Notebook(4th Gen i5)                     Windows 8          1000 GB     15.6        Rs 41990
7 Acer Aspire S3 - 951 2364  Laptop (Core i3 2367)      Windows 7          320 GB      13.3        Rs 56800
8 CORE 2 DUO PC TITANIUM IT SERIES(Intel Core 2 duo)    Windows 7          160 GB      16          Rs 12450
9 Apple MD711HN/B MacBook Air (Ci5)                     Mac OS X Maverics  11 GB       128         Rs 64495


Enter your choice:(Press 0 to go back)
3
Enter quantity(less than 7)
99
Please follow Instructions
Enter quantity(less than 7)
-25
Please follow Instructions
Enter quantity(less than 7)
1
This item was successfully added to your cart.
Dell Inspiron 15 3542 Notebook (Intel core i3)
```

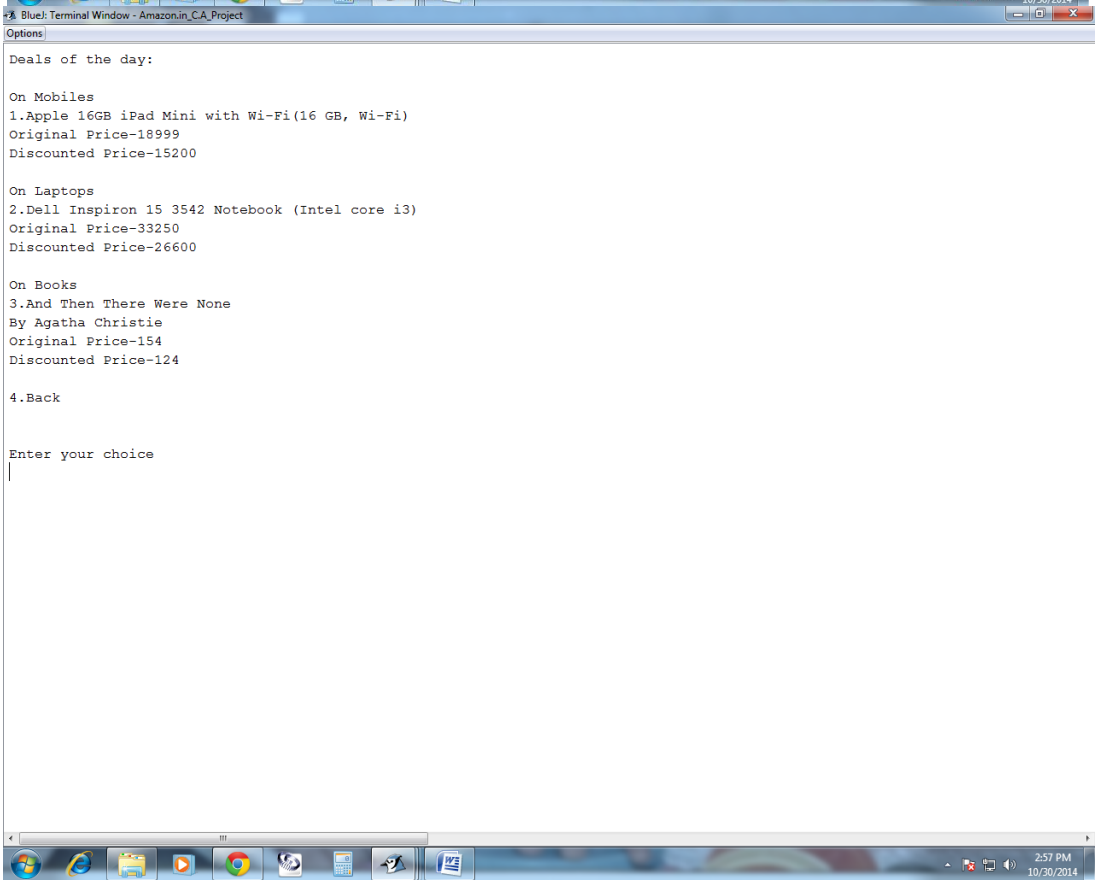
BlueJ: Terminal Window - Amazon.in_C.A_Project

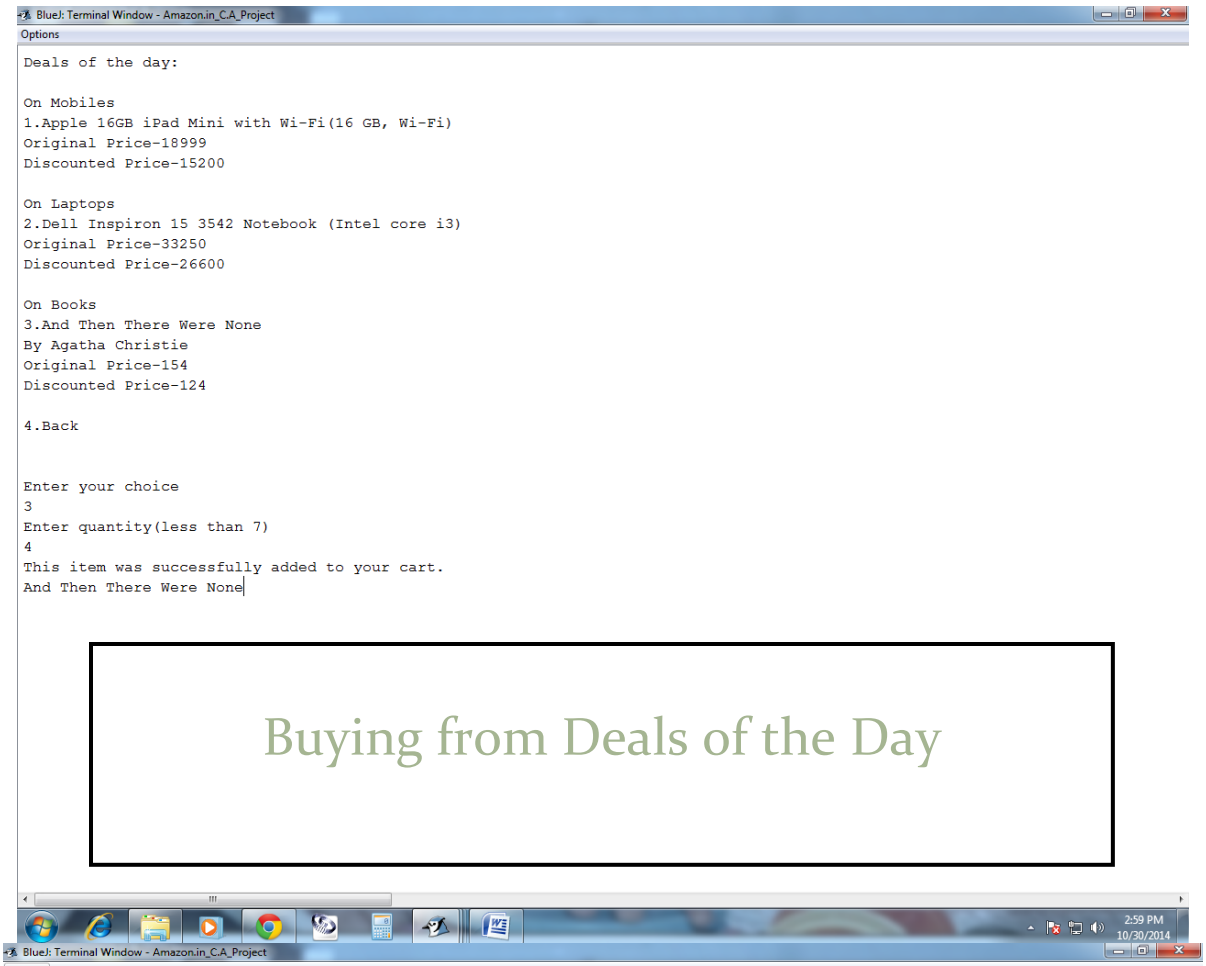
Options

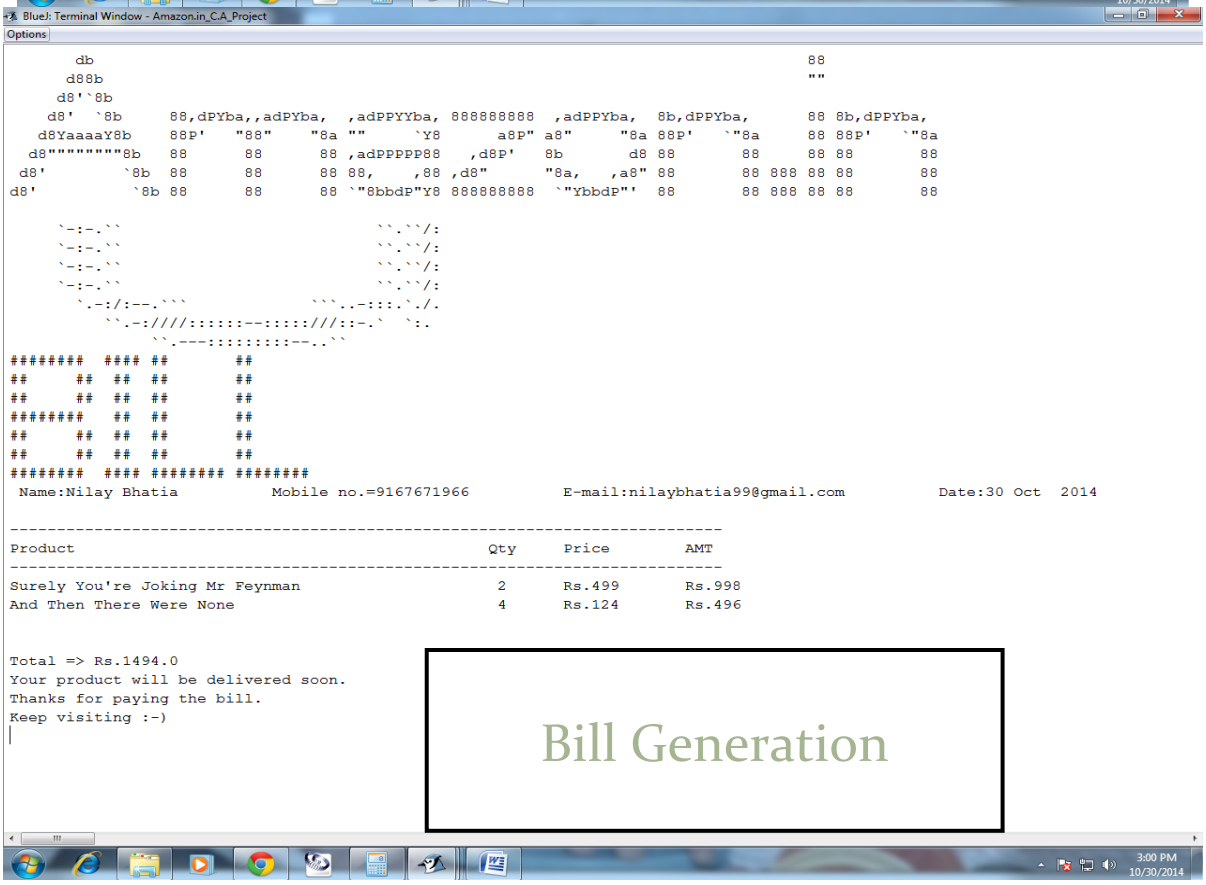
```
Books
-------------------------------------------------------------------------------------------------
Name                                                    Author             Publisher               Price
-------------------------------------------------------------------------------------------------
1 Midnight's Children (Paperback)                       Salman Rushdie     Random House            Rs 399
2 The Oath of the Vayuputras: Shiva Trilogy 3           Amish Tripathi     Westland                Rs 240
3 Lord of the Rings (English)                           J. R. R. Tolkien   HarperCollins           Rs 1120
4 A Brief History Of Time                               Stephen Hawking    Transworld              Rs 319
5 The World as I See It                                 Albert Einstein    Important Books         Rs 691
6 Be Careful What You Wish For                          Jeffrey Archer     Pan Macmillian India    Rs 319
7 Surely You're Joking Mr Feynman                       Richard P Feynman  Random House            Rs 499
8 Wings of Fire: An Autobiography                       APJ Abdul Kalam    Universities Press      Rs 190
9 And Then There Were None                              Agatha Christie    Harper Collins          Rs 154


Enter your choice:(Press 0 to go back)
7
Enter quantity(less than 7)
2
This item was successfully added to your cart.
Surely You're Joking Mr Feynman
```

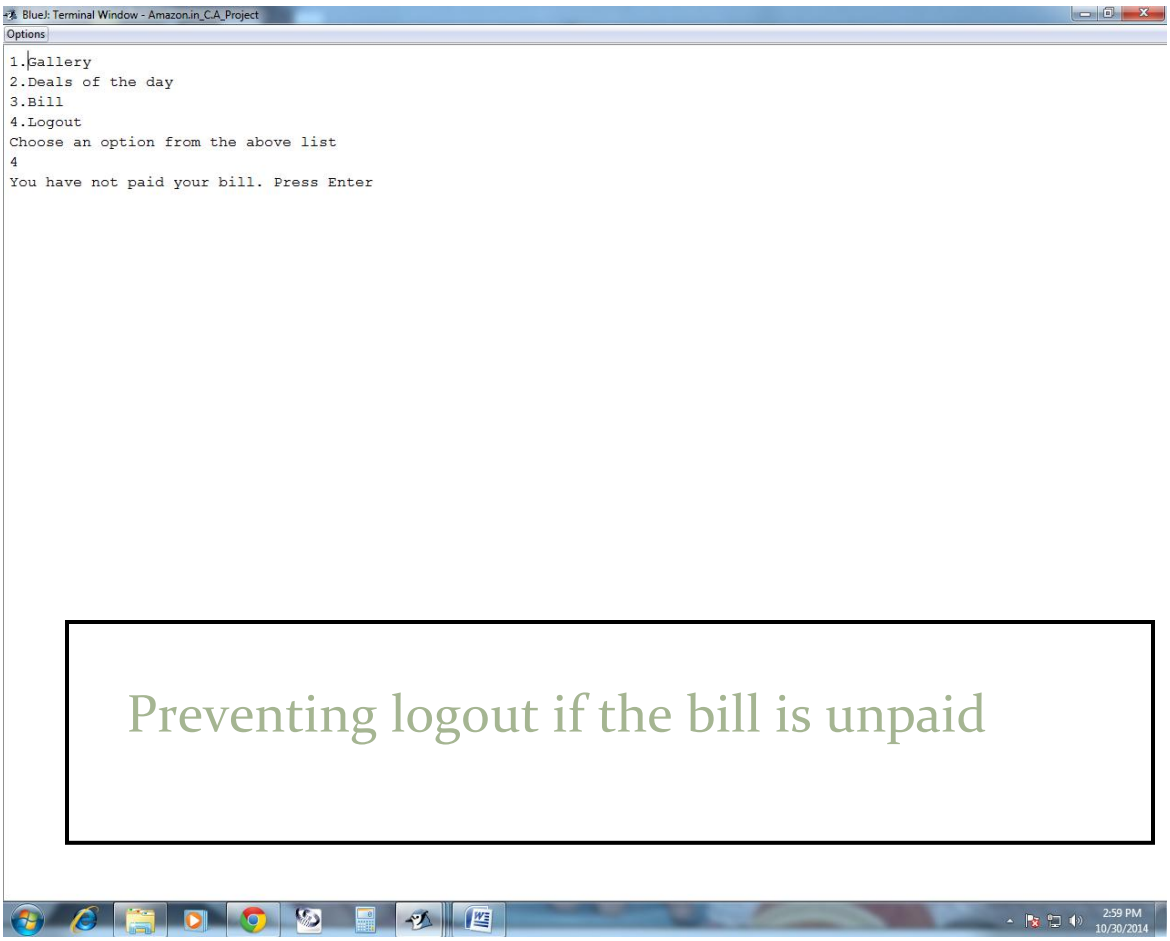
Deals of the Day (Random each time)

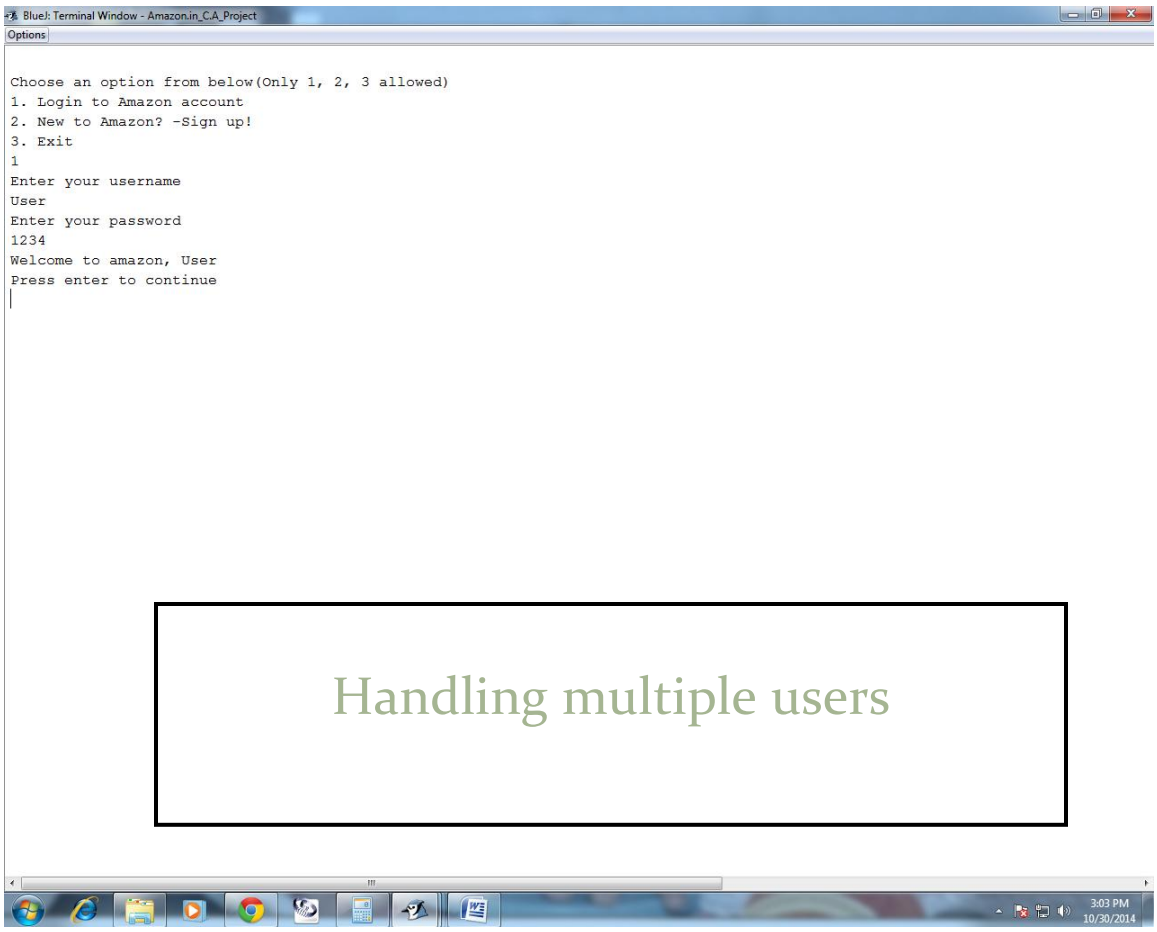


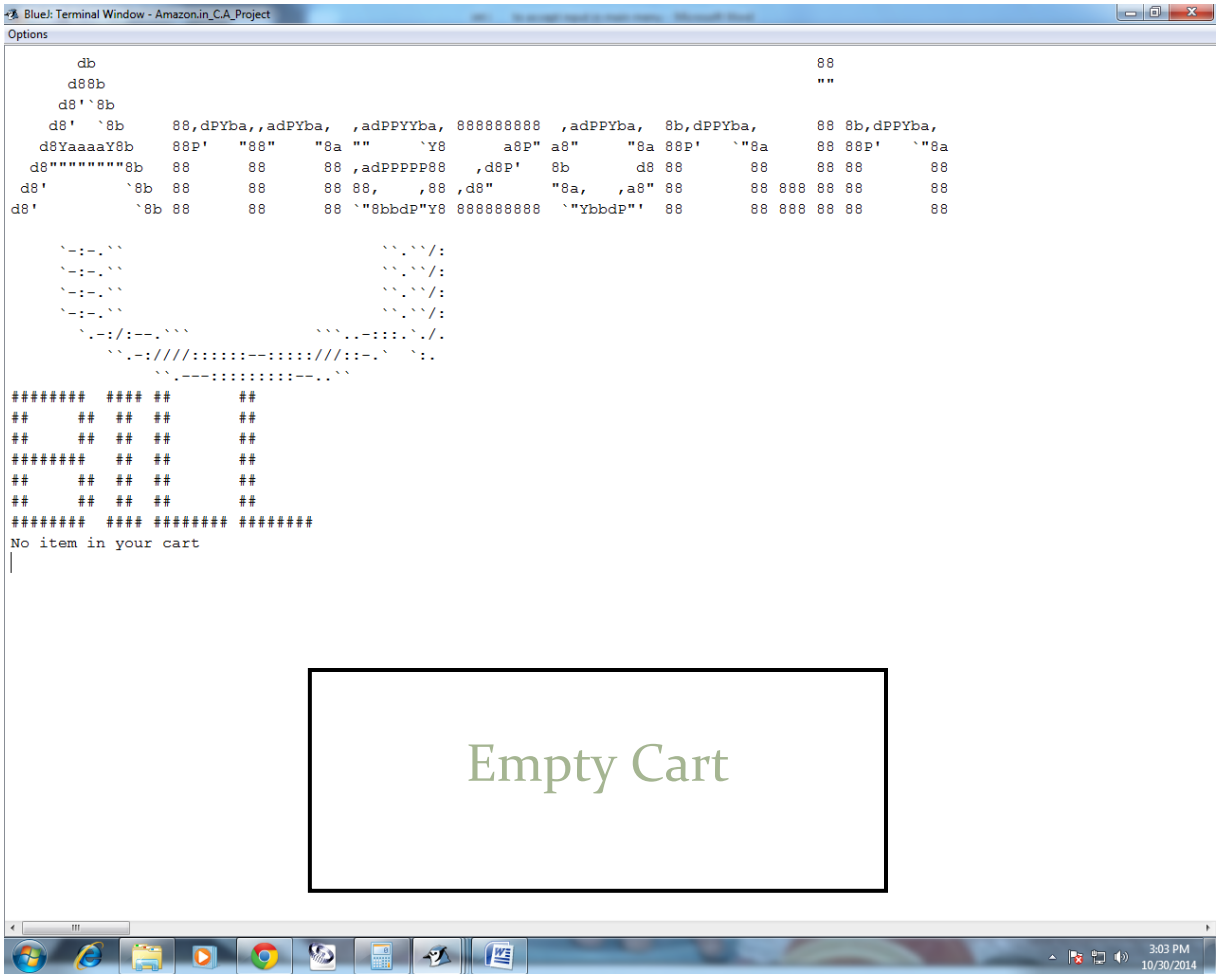



BlueJ: Terminal Window - Amazon.in_C.A_Project
Options
Deals of the day:
On Mobiles
1.Apple 16GB iPad Mini with Wi-Fi(16 GB, Wi-Fi)
Original Price-18999
Discounted Price-15200
On Laptops
2.Dell Inspiron 15 3542 Notebook (Intel core i3)
Original Price-33250
Discounted Price-26600
On Books
3.And Then There Were None
By Agatha Christie
Original Price-154
Discounted Price-124
4.Back
Enter your choice
3
Enter quantity(less than 7)
4
This item was successfully added to your cart.
And Then There Were None
Buying from Deals of the Day


BlueJ: Terminal Window - Amazon.in_C.A_Project
Options
Name:Nilay Bhatia Mobile no.=9167671966 E-mail:nilaybhatia99@gmail.com Date:30 Oct 2014
Product Qty Price AMT
Surely You're Joking Mr Feynman 2 Rs.499 Rs.998
And Then There Were None 4 Rs.124 Rs.496
Total => Rs.1494.0
Your product will be delivered soon.
Thanks for paying the bill.
Keep visiting :-)
Bill Generation


BlueJ: Terminal Window - Amazon.in_C.A_Project
Options
1.Gallery
2.Deals of the day
3.Bill
4.Logout
Choose an option from the above list
4
You have not paid your bill. Press Enter
Preventing logout if the bill is unpaid
2:59 PM
10/30/2014


BlueJ: Terminal Window - Amazon.in_C.A_Project
Options
Choose an option from below(Only 1, 2, 3 allowed)
1. Login to Amazon account
2. New to Amazon? -Sign up!
3. Exit
1
Enter your username
User
Enter your password
1234
Welcome to amazon, User
Press enter to continue
Handling multiple users
3:03 PM
10/30/2014


BlueJ: Terminal Window - Amazon.in_C.A_Project
Options
db 88
d88b ""
d8'`8b
d8' `8b 88,dPYba,,adPYba, ,adPPYYba, 888888888 ,adPPYba, 8b,dPPYba, 88 8b,dPPYba,
d8YaaaaY8b 88P' "88" "8a "" `Y8 a8P" a8" "8a 88P' `"8a 88 88P' `"8a
d8""""""""8b 88 88 88 ,adPPPPP88 ,d8P' 8b d8 88 88 88 88 88
d8' `8b 88 88 88 88, ,88 ,d8" "8a, ,a8" 88 88 888 88 88 88
d8' `8b 88 88 88 `"8bbdP"Y8 888888888 `"YbbdP"' 88 88 888 88 88 88
`-:-.``
`-:-.``
`-:-.``
`-:-.``
`.-:/:--.```
``.-:////::::::--::::::///::-.` `:.
``.---::::::::::--..``
######## #### ## ##
##
##
######## ## ## ##
##
##
######## #### ######## ########
No item in your cart
Empty Cart
3:03 PM
10/30/2014

Conclusion

Thus at the end of this project we can say that the project has satisfied the consumer to the best of its ability and has helped him buy a suitable product. This program is error free and can handle exceptions.

Thus we can say that the goal of the project has been fulfilled.

Bibliography

- Our textbook
  - Understanding Computer Applications By Mr.Pandey and Mr.Dey
- Text-to-ASCII-generator
  - http://patorjk.com/software/taag/#p=display&f=Graffiti&t=Type%20Something%20
- Image-to-ASCII-generator
  - http://www.text-image.com/convert/ascii.html