Industrial Stock Keeper-Pro™ ®

© Meet Pragnesh Shah & Akshay Nitin Deodhar

Highlights :

a. Main Idea :

- Industrial Stock Keeper is an easy-to-use and naive software which enables Middle-Class Entrepreneurs to keep an eye on   the stock remaining in their warehouses.
- Different Raw Materials, Products, Waste Percentage per Product will be User-Defined - allowing the software to cater to a wide-spectrum of Small-scale and Large-scale industries.
- Material-renewal and Order-Dispatch will be User defined and also Easy-to-use with Date and Time support with Renewal Reminders(RR) from time to time.

b. Input format

- The User-Defined Static Data(Material Name, Product, Material Consumption Index etc.) will be stored in .txt files and the Non-Static Data(Order Dispatch, material Renewal Index etc) will be taken from the console.

c. Output Format

- All Data (Static & Non-Static) will be saved in .txt files and will be displayed on the Console when Prompted by the User.

d. Features of Industrial Stock Keeper-Pro™ ® :

- Stock-Keeping for wide range of entrepreneurs
- Material Index Renewal Reminder-(RR) to ensure non-empty warehouses
- User-Defined Materials & Products to provide complete freedom to user
- Easy to use Interface

e .Features of C++ inherited :

- Classes
- Functions
- String -Processing
- Variable Conversion
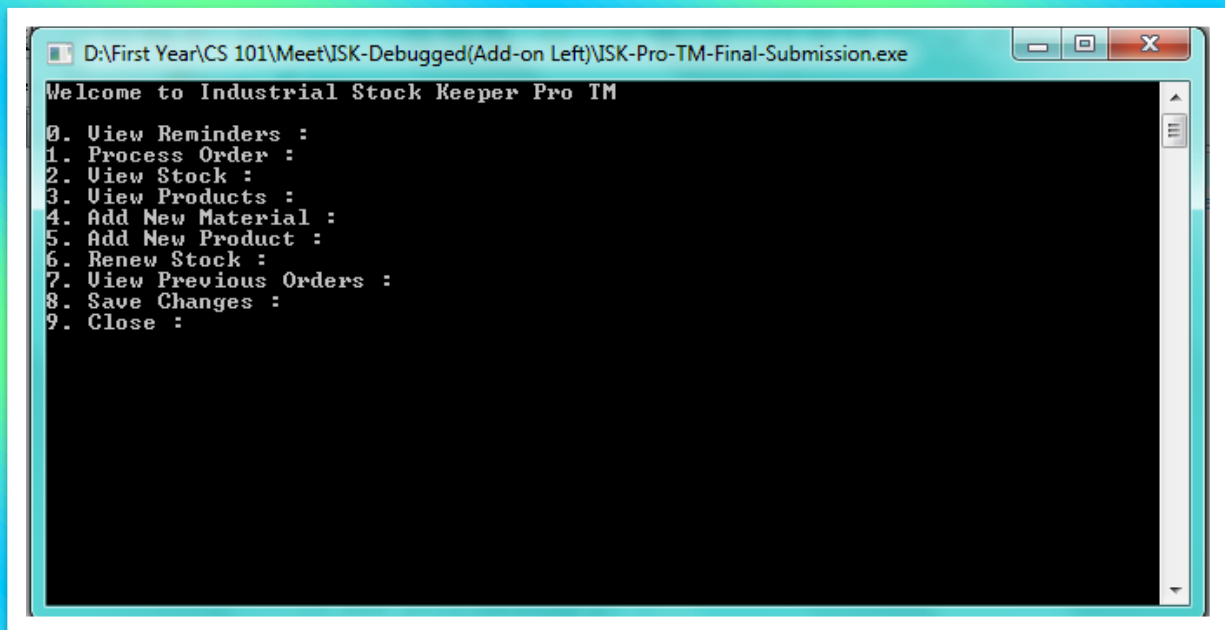- Data-Handling from Multiple files
- Linked Data Structures

Usage Policy:

- The user is provided with an AUTOSAVE feature which he can exploit to his fullest. Although a feature to save changes is provided to ensure manual confirmation of the saved changes.

- The user is provided with all necessary instructions during the runtime of the program- making it extremely USER-FRIENDLY to be used by an amateur computer user-allowing usage by non-skilled industrialists.
- The Data is stored in three files namely "materials.txt"-"products.txt"-"order.txt"._ in the same directory as the file executable.
- User-precaution intended.

User Guide :

Following is the pictorial Guide to help amateur users to get accustomed with the interface of ISK-Pro :-

```
D:\First Year\CS 101\Meet\ISK-Debugged(Add-on Left)\ISK-Pro-TM-Final-Submission.exe
Welcome to Industrial Stock Keeper Pro TM

0. View Reminders :
1. Process Order :
2. View Stock :
3. View Products :
4. Add New Material :
5. Add New Product :
6. Renew Stock :
7. View Previous Orders :
8. Save Changes :
9. Close :
```

On executing the program you see this screen

To Add a new Material Press 4

```
D:\First Year\CS 101\Meet\ISK-Debugged(Add-on Left)\ISK-Pro-TM-Final-Submission.exe

0. View Reminders :
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9. Close :

4
Enter the Name of the Material
 Note-Keep underslashes between words in case name consists of multiple words
Random_Material2
Enter the Unit of the Material-(eg-nos,metres)
kilometres
Enter the present Quantity of the Material in specified Units :
1050
Enter the Threshold Quantity of the Material in specified Units :
50
   Material Added Succesfully :
```

To Add a new Product Press 5

```
D:\First Year\CS 101\Meet\ISK-Debugged(Add-on Left)\ISK-Pro-TM-Final-Submission.exe

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9. Close :

3

1 BOPP_12inch_48um    No of Materials used :2
        BOPP_Log_Roll_48um 100 5
        Shrink_PVC 1 0

2 Random    No of Materials used :2
        PVC_Carton 1 0
        BOPP_Carton 4 0

3 PVC12    No of Materials used :2
        PVC1 1 .1
        PVC2 4 .2
```
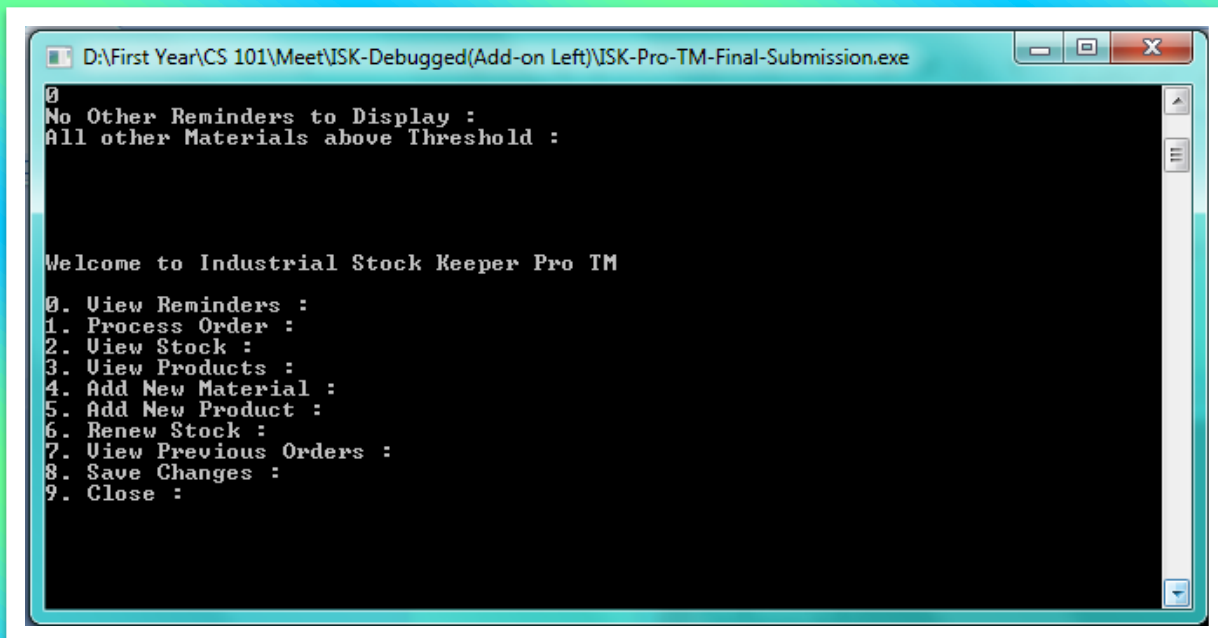
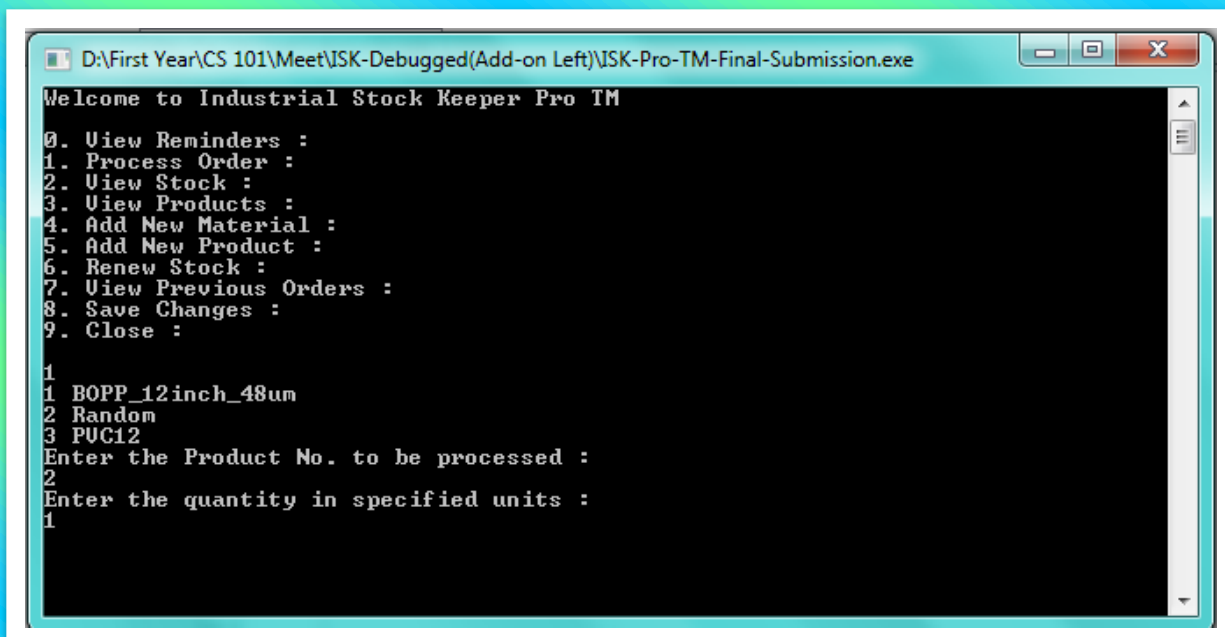**To View Reminders of Critical Material quantities Press 0**

```
0
No Other Reminders to Display :
All other Materials above Threshold :



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```

To Manufacture any of the listed Products Press 1

```
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8. Save Changes :
9. Close :


1
1 BOPP_12inch_48um
2 Random
3 PVC12
Enter the Product No. to be processed :
2
Enter the quantity in specified units :
1
```

To Renew the Quantity of a material press 6

1. All listed Materials are displayed
2. Choose the material index
3. Add the required quantity


```
D:\First Year\CS 101\Meet\ISK-Debugged(Add-on Left)\ISK-Pro-TM-Final-Submission.exe

6
1  BOPP_Log_Roll_48um metres 4838.92 1
2  Shrink_PVC nos 1009 100
3  BOPP_Carton nos 929.7 10
4  PVC_Carton nos 8983.3 100
5  KingHawk_Carton nos 290 100
6  PVC1 nos 199.099 10.2
7  PVC2 nos 395.791 30.1
8  PVC3 nos 107 105
9  Random_Material kilograms 1000 10
10 Random_Material2 kilometres 1050 50


Enter the Serial No of the Material
9


Enter Renewal Amount (Specified Units) of the Material :
10.5

Stock renewed Sucessfully : Changed Stock :   1010.5 kilograms
```



```
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5. Add New Product :
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7. View Previous Orders :
8. Save Changes :
9. Close :

6
1  BOPP_Log_Roll_48um metres 4838.92 1
2  Shrink_PVC nos 1009 100
3  BOPP_Carton nos 929.7 10
4  PVC_Carton nos 8983.3 100
5  KingHawk_Carton nos 290 100
6  PVC1 nos 199.099 10.2
7  PVC2 nos 395.791 30.1
8  PVC3 nos 107 105
9  Random_Material kilograms 1000 10
10 Random_Material2 kilometres 1050 50


Enter the Serial No of the Material
```
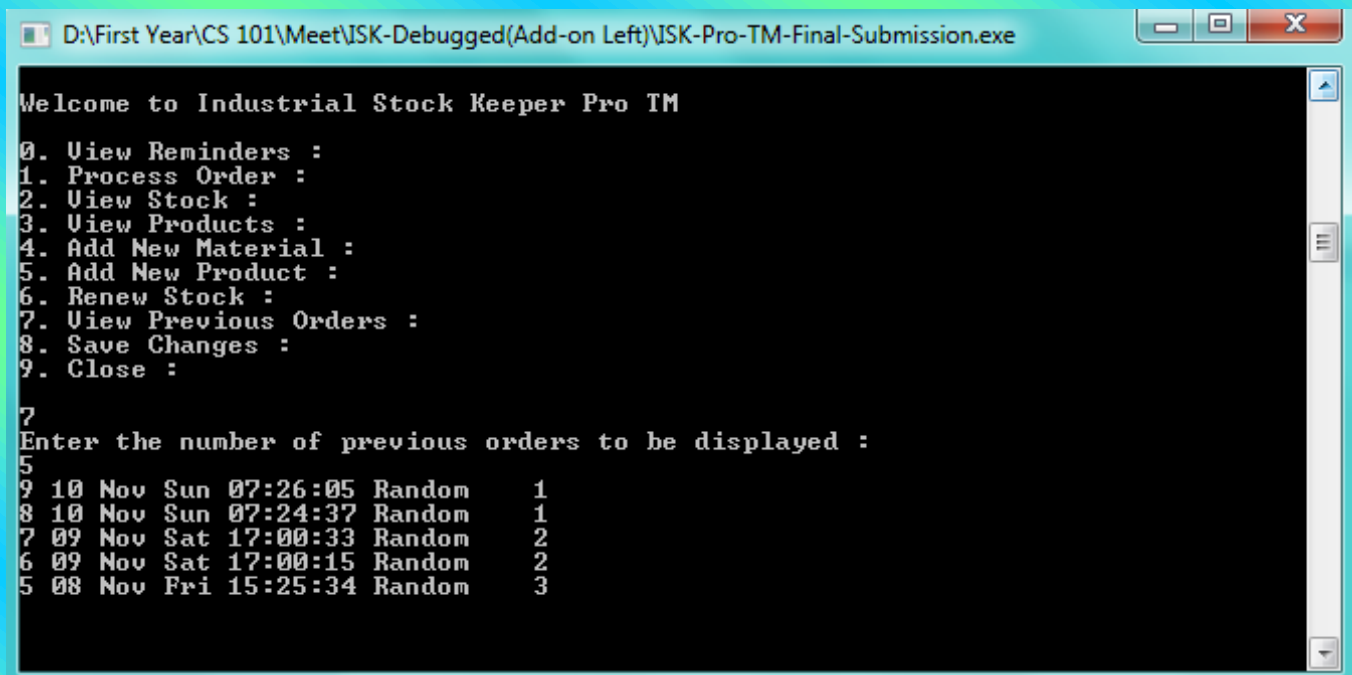
To View Previously manufactured Products Press 7

```
D:\First Year\CS 101\Meet\ISK-Debugged(Add-on Left)\ISK-Pro-TM-Final-Submission.exe

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3. View Products :
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5. Add New Product :
6. Renew Stock :
7. View Previous Orders :
8. Save Changes :
9. Close :

7
Enter the number of previous orders to be displayed :
5
9 10 Nov Sun 07:26:05 Random    1
8 10 Nov Sun 07:24:37 Random    1
7 09 Nov Sat 17:00:33 Random    2
6 09 Nov Sat 17:00:15 Random    2
5 08 Nov Fri 15:25:34 Random    3
```

The End