Project Proposal

Problem

A departmental store named "**Toheed Departmantal Store**" selling different products. Their employees take a lot of time to add data in inventory because they are manually writing in registers by traditional means. This caused redundancy and inconsistency in product management. These failures also lead to loss in income. The owner of "Toheed Departmental Store" needs a software that will perform the given tasks: -

Need

- Add new Product in stock
- Delete existing Product from stock
- Modify Product Price
- Search Product in stock
- Show Product

Solution

Stock Management System

- First of all, it needs a data file which is given at the end page of this file.
- Secondly, a class Product which has data members like name of product, price of product, quantity of product in stock and product ID is used to take these inputs from file.
- Thirdly, a class Stock has all products by using class Product in it.
- A main file has menu features like this: -
  1. Add new Product
  2. Delete existing Product
  3. Modify Product Price
  4. Search Product
  5. Show Product

Coding:

class Product{

      // some implementation

};

class Stock {

      // some implementation

};

Menu Features

1. Add new Product   // some implementation
2. Delete existing Product   // some implementation
3. Modify Product Price   // some implementation
4. Search Product Using ID   // some implementation
5. Show Product Using ID   // some implementation
6. Exit   // some implementation

Screen

Toheed Departmantal Store

1. **Add new Product**
2. **Delete existing Product**
3. **Modify Product Price**
4. **Search Product Using ID**
5. **Show Product Using ID**
6. **Exit**

Enter Your Choice:

Perform particular function according to user choice.

if (choice == 6)

Data File

ProductID	Name	Price	Quantity
00001	AOc01	273	13
00002	BTh69	316	35
00003	KGw60	596	56
00004	DLu68	327	95
00005	TQm00	243	54
00006	SUd88	166	53
00007	BHc68	283	45
00008	CZu30	329	93
00009	YPr50	332	18
00010	YGp61	426	97
00011	SDa71	239	32
00012	DDg09	565	68
00013	KPy78	204	87
00014	OUa70	507	42
00015	SLd69	352	84
00016	GOk40	242	32
00017	JNq28	457	32
00018	MSe19	156	26
00019	FXl79	459	74
00020	JTw09	458	68
00021	OWx18	443	80
00022	PGb31	497	74
00023	GDh89	267	68

00024	GGu89	530	55
00025	GGs68	306	49
00026	LIx80	125	47
00027	QBn29	559	38
00028	KGa01	103	48
00029	FFt19	483	28
00030	KWh59	545	16
00031	SRx58	556	89
00032	EWj58	434	63
00033	ZAh21	334	30
00034	DSz61	267	27
00035	SLc79	516	20
00036	PJd51	250	69
00037	ZWj80	475	46
00038	FGd81	166	87
00039	SSi00	546	50
00040	UGh20	536	31
00041	GKl31	220	18
00042	CLd80	401	43
00043	DHk11	464	21
00044	AFe78	199	73
00045	QPx18	582	33
00046	HEu30	138	60
00047	PBe00	122	94
00048	EUv78	153	29
00049	DMa38	187	20
00050	MUc11	321	84

00051	JOm69	581	68
00052	STw79	270	86
00053	MSt18	126	27
00054	JCa08	261	54
00055	UTe10	548	89
00056	JUo78	511	39
00057	PCw58	120	53
00058	FWj71	289	32
00059	EZo10	493	75
00060	OHo50	224	10
00061	GHs69	132	50
00062	YUh19	239	50
00063	EBi38	379	98
00064	VKl88	186	88
00065	OXe71	498	63
00066	PHz20	249	34
00067	RWe81	355	21
00068	BBg10	219	91
00069	STv49	196	54
00070	SZr31	440	70
00071	TZr81	516	55
00072	DHj41	168	93
00073	MRy39	547	66
00074	KVi10	273	60
00075	YUv70	210	16

END OF FILE!