INTERNATIONAL SCHOOL OF INFORMATICS & MANAGEMENT (FORMERLY IIIM)

Inventory Management System

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INVENTORY MANAGEMENT SYSTEM

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DISADVANTAGES OF OLD SYSTEM

As we know the manual processing is quite tedious, time consuming, less accurate in comparison to computerized processing. Obviously the present system is not is exception consultant encountering all the above problems.

1. Time consuming.
2. It is very tedious.
3. All information is not placed separately.
4. Lot of paper work.
5. Slow data processing.
6. Not user-friendly environment.
7. It is difficult to found records due file management system.

ADVANTAGES OF NEW SYSTEM

In new computerized system I tried to give these facilities.

1. Manually system changes into computerized system.
2. Friendly user interface.
3. Time saving.
4. Save paper work.
5. Connecting to database so we use different type of queries, data report.
6. Give facility of different type of inquiry.
7. Formatted data.
8. Data's are easily approachable.

REQUIREMENTS OF PROJECT REPORT

Hardware Requirement:

- Processor: - Intel Pentium III 833MHz
- RAM: - 128 SD-RAM.
- Hard Disk: -20 GB or above.
- Monitor: - 14" VGA.
- Mouse.
- Printer: - For print report or Bill.
- Floppy Disk Drive: - 1.44MB.

Software Requirement:

- Operating system: - Windows 98/2002/NT.
- Front End: - Visual Basic 6.0.

  (Professional Edition.)
- Back end: - MS. Access.

  (Some additional feature of VB like, Dtagrind, Data-Report)

DATA FLOW DIAGRAM

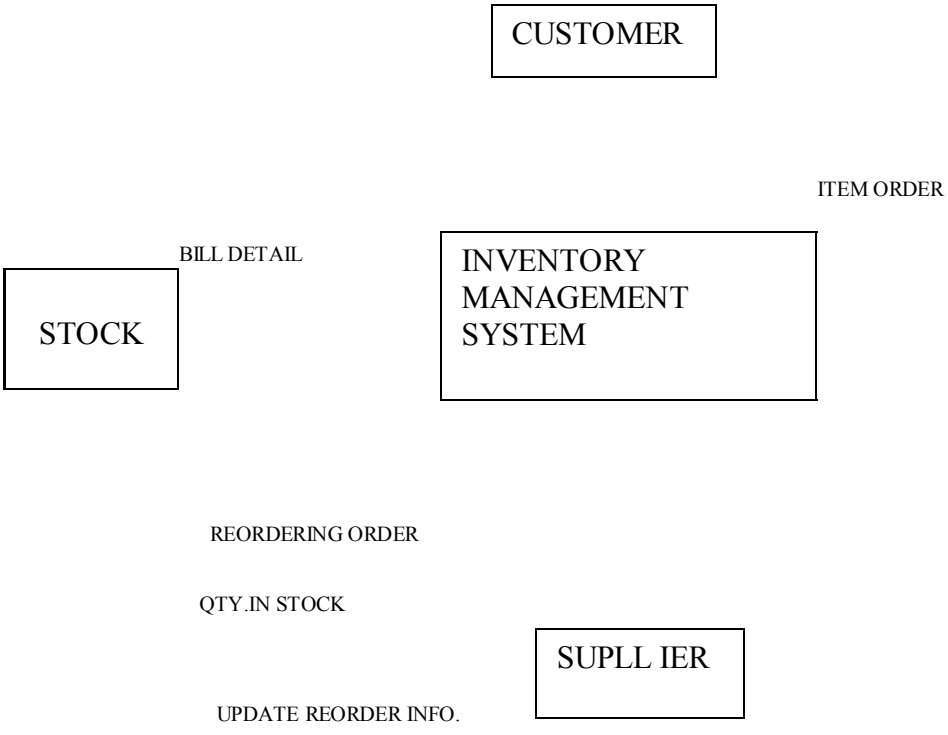
It is a graphical representation of the data. It identifies the path the data will take, what process will take place to it from one from to another.

Symbols used in data flow diagram:

DATA STORE

DATA FLOW

PROCESS



(DATA FLOW DIAGRAM)

ENTITY RELATIONSHIP DIAGRAM

The collection of tables of data is called a database. Entity relationship model is used here to obtain a conceptual model of data used in this case study. In E-R diagram following symbols are used:

1. ENTITY

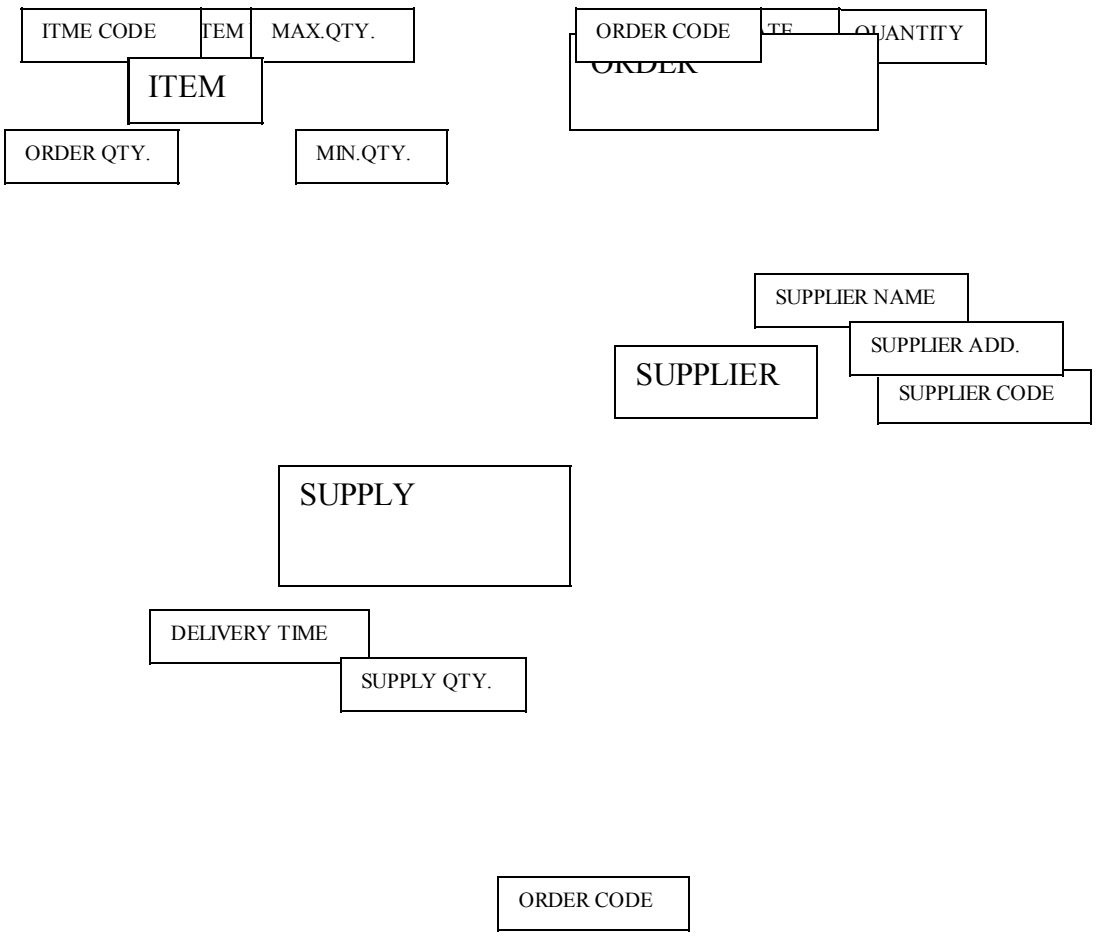
2. RELATIONSHIP

3. ATTRIBUTES

4. CONNECTION

5. PROCESSING

The design problem identifying entities and relationship.



ENTITY RELATIONSHIP DIAGRAM

Why use Visual Basic

Visual programming is programming for the user it aims at providing the user with an interface that is intuitive and easy to use in developing such as interface the programmer employee user friendly features such as window menu, buttons and list boxes.

A visual programming environment provides all features that are required to develop graphical user interface as ready to use components. The programmer does not have to write code to create and display commonly required user-friendly features each time around.

When the programmer needs a specific user interface feature such as a button, he selects the appropriate, ready to use component provided by the visual programming environment these component can be moved, resized and renamed as required.

ADVANTAGE OF VISUAL

PROGRAMMING

Visual programming enables visual development of graphical user interfaces, easy to use and easy to learn.

One of the principal advantages is that the programmer need not write code to display the required component.

The visual programming environment display a list of available component, the programmer pick up the required component from the list.

The component can be moved resized and even deleted if so required.

There is no restriction in the number of controls that can be placed Moreover since the programmer is creating the user interface usually he can align, move or size the components as required without having resort to writing code.

ADVANTAGE OF DATABASE

There is several advantage of storing data in database.

1. All data stored at one location when a database is used, all tables are stored in a single file thus, and we need not deal with separate first button use the single database file. Though all the data is stored in a single file, distinction one main faired because of the use of the tables. Each tables is stored as separate entity in the file.

2. It is possible to define relationship between tables as will be seen once defined these relationship between tables are also stored in the database.

3. It is possible to define validation at the field as well table level this ensure accuracy of data being stored.

4. We also used query, report, sorting etc.

PROCESSING

There are many items in a departmental store, which are sold to customer and purchased from supplier. An order is placed by the customer-required details, which are listed below:

- Item name
- Quantity
- Delivery time

The order processing executes, look up the stock of each item is available or not then order fulfilled by the management of departmental store. The system periodically checks the stock of each item if it is found below the reorder level then purchase order placed to the supplier for that item, if the supplier is not able to supply whole order then rest of quantity supplied by the another supplier.

After fulfilled the formalities, bill generated by the system and sent to the customer. Item details maintained by the management this whole process is being done manually. My work area is to automate the above process or to generate a more efficient system.

TABLES

There are three tables in my project.

ITEM DETAIL TABLE

It contains information about item like item name, minimum quantity in stock, maximum quantity, and reorder status etc.

A. **Item code**: - It represents the code to identify an item. It helps to search the item in the stock according to requirement.

B. **Item name:** - This field shows the name of item.

C. **Minimum quantity in stock:** - This field helps to know the min-qty in stock.

D. **Max quantity:** - This field shows max quantity in stock.

E. **Reorder status:** - This field shows reorder status when quantity goes below to minimum quantity in stock.

Purchase order table

This table contains the information about the purchase order like vender code, order code, supplier name, supplier address, order date, item code, item name, quantity, deliver time etc.

Vender code: - This field determine the code of vender.

Order code :-It determines the code of the order that has been ordered by the customer.

Supplier address: - This field helps to know the address of the supplier.

Order date: - This field shows the date of the order.

Item code: - It determines the code of the item.

Item name: - It contains the name of the item.

Quantity: - It specifies the quantity of the order.

Delivery time: - It shows the time of the deliver.

Selling bill table

This table contains information about order that are given by the customer, customer name, customer's address, unit price, amount and total amount etc.

Customer name: - This field determines the name of the customer.

Customer address: - It determines the address of the customer.

Unit price: - It shows the price per item.

Amount: - it determines the amount per item.

Total Amount: - This field shows the total amount of the item that has been purchase by the customer.

BIBLIOGRAPHY

Mastering VB 6.0 BPB Publication

Mastering ms access BPB Publication

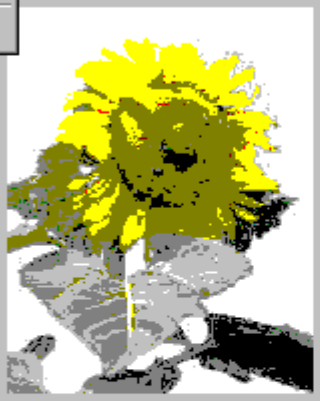
Visual basic 6 complete BPB Publication

file

item
order
bill

exit

INVENTORY MANAGEMENT SYSTEM

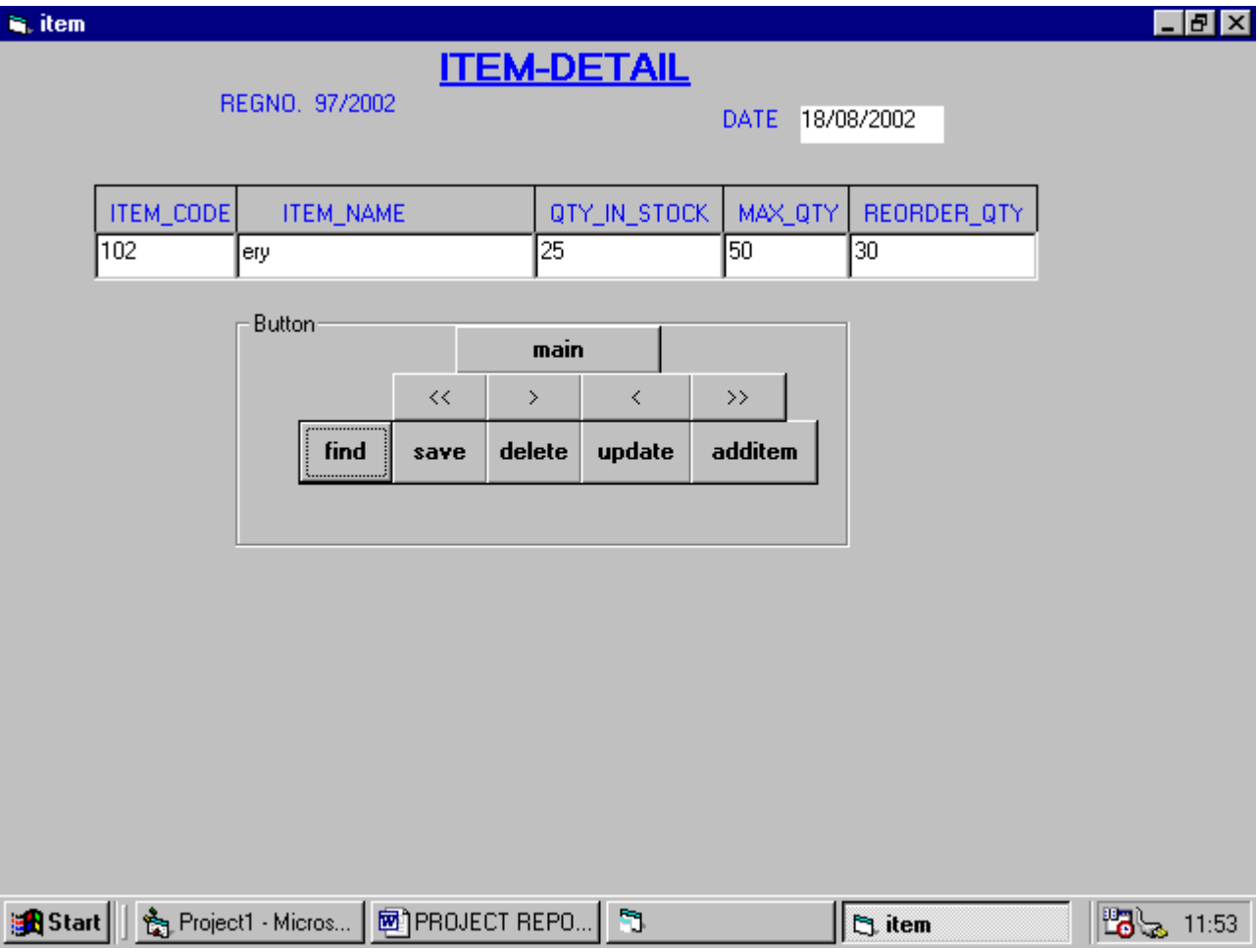


WELCOME TO YOU

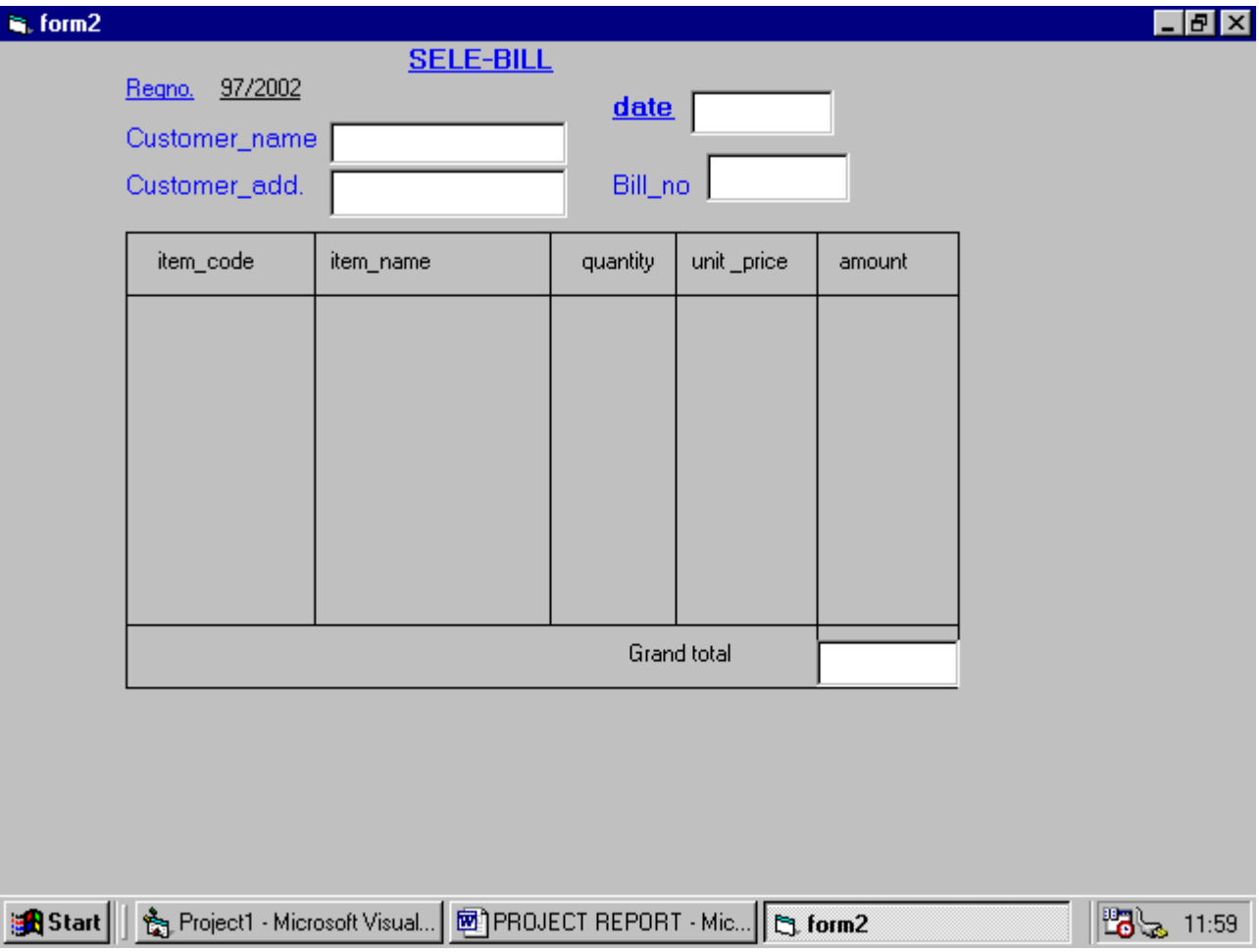
LITTLE **SHOPPER'S**
IN
A NEW ERA

DEPARTMENTL STORE

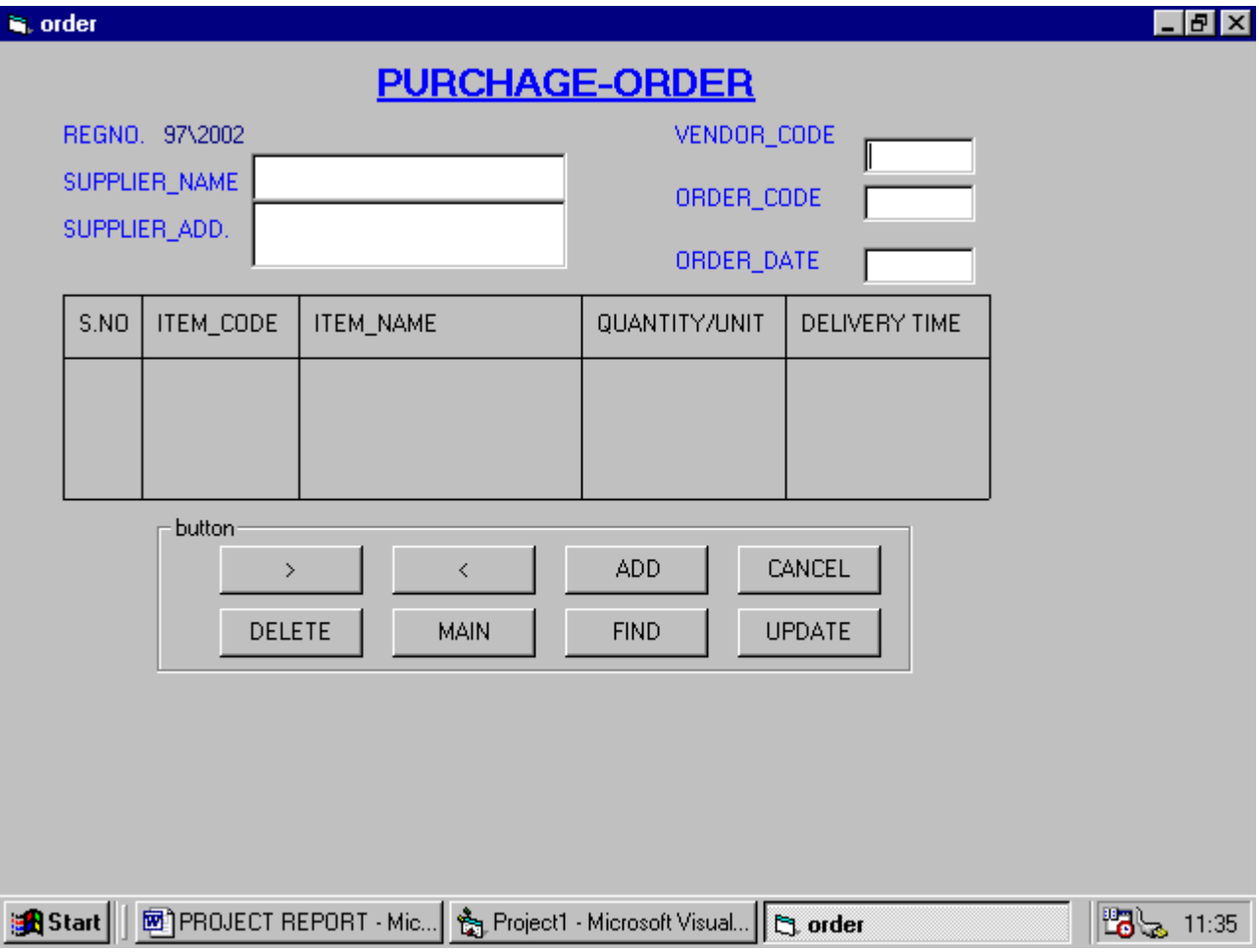
Start | Project1 - Microsoft Visual... | | PROJECT REPORT - Mic... | 11:47

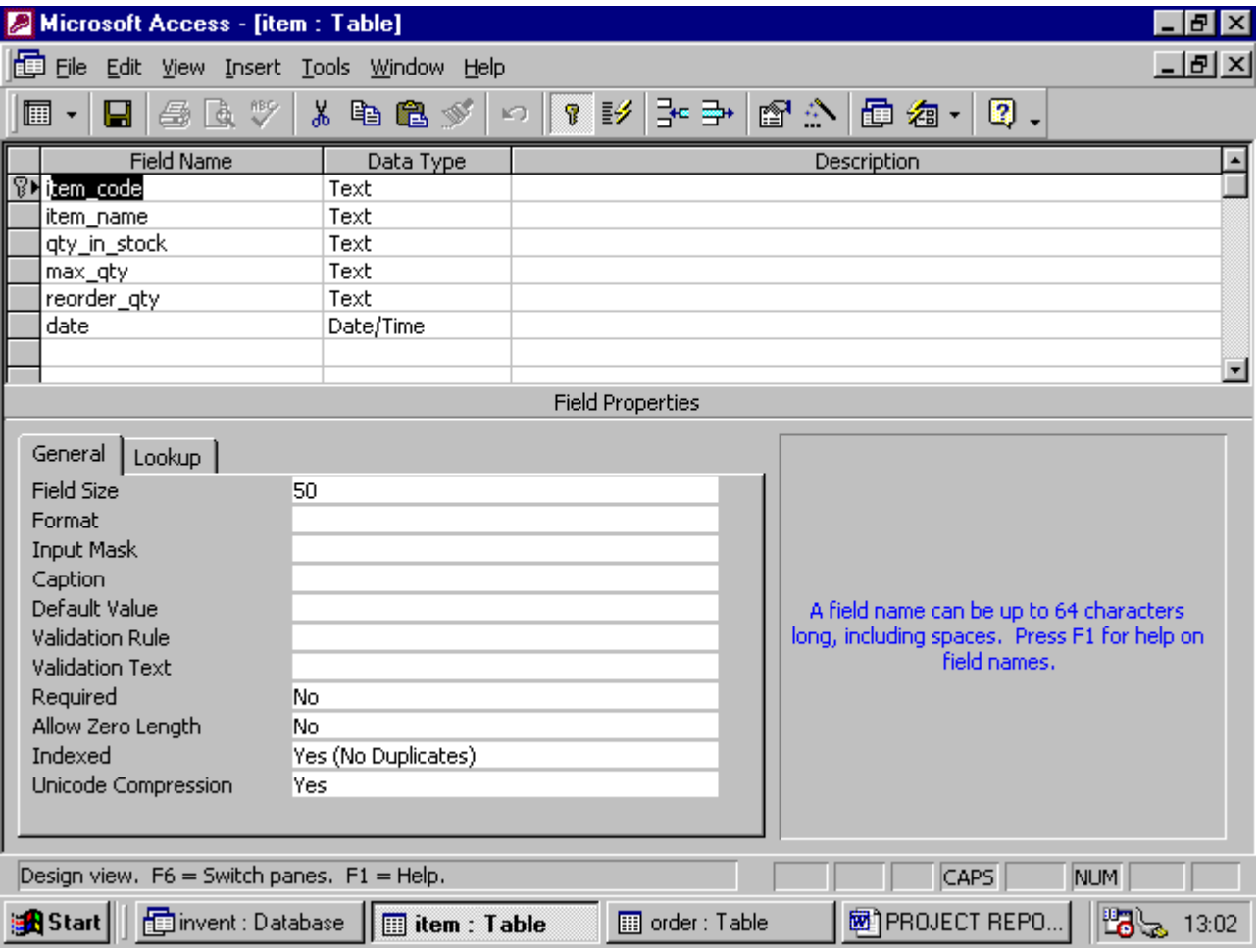

item
ITEM-DETAIL
REGNO. 97/2002
DATE 18/08/2002
ITEM_CODE
ITEM_NAME
QTY_IN_STOCK
MAX_QTY
REORDER_QTY
102
ery
25
50
30
Button
main
<<
>
<
>>
find
save
delete
update
additem

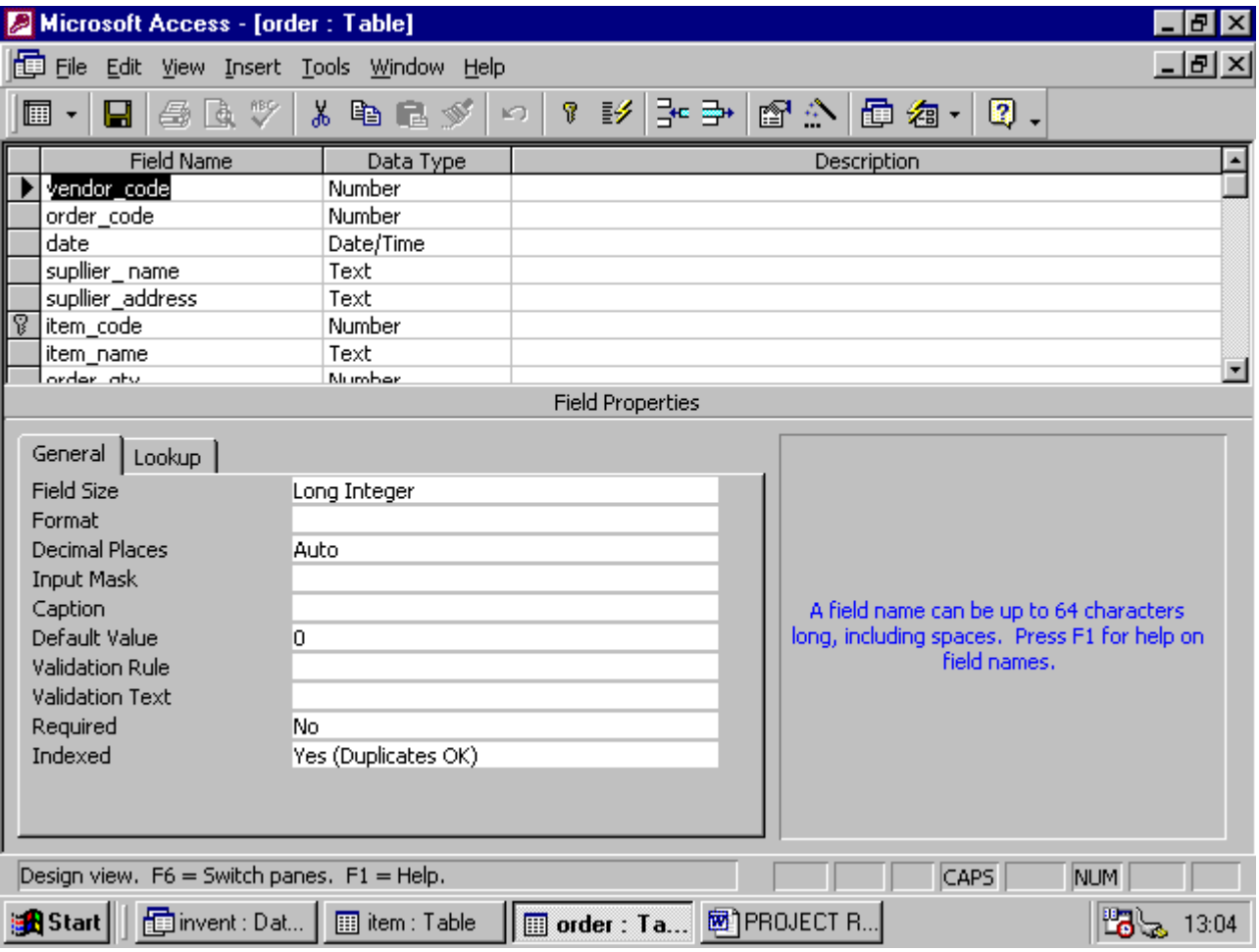
Start
Project1 - Micros...
PROJECT REPO...
item
11:53

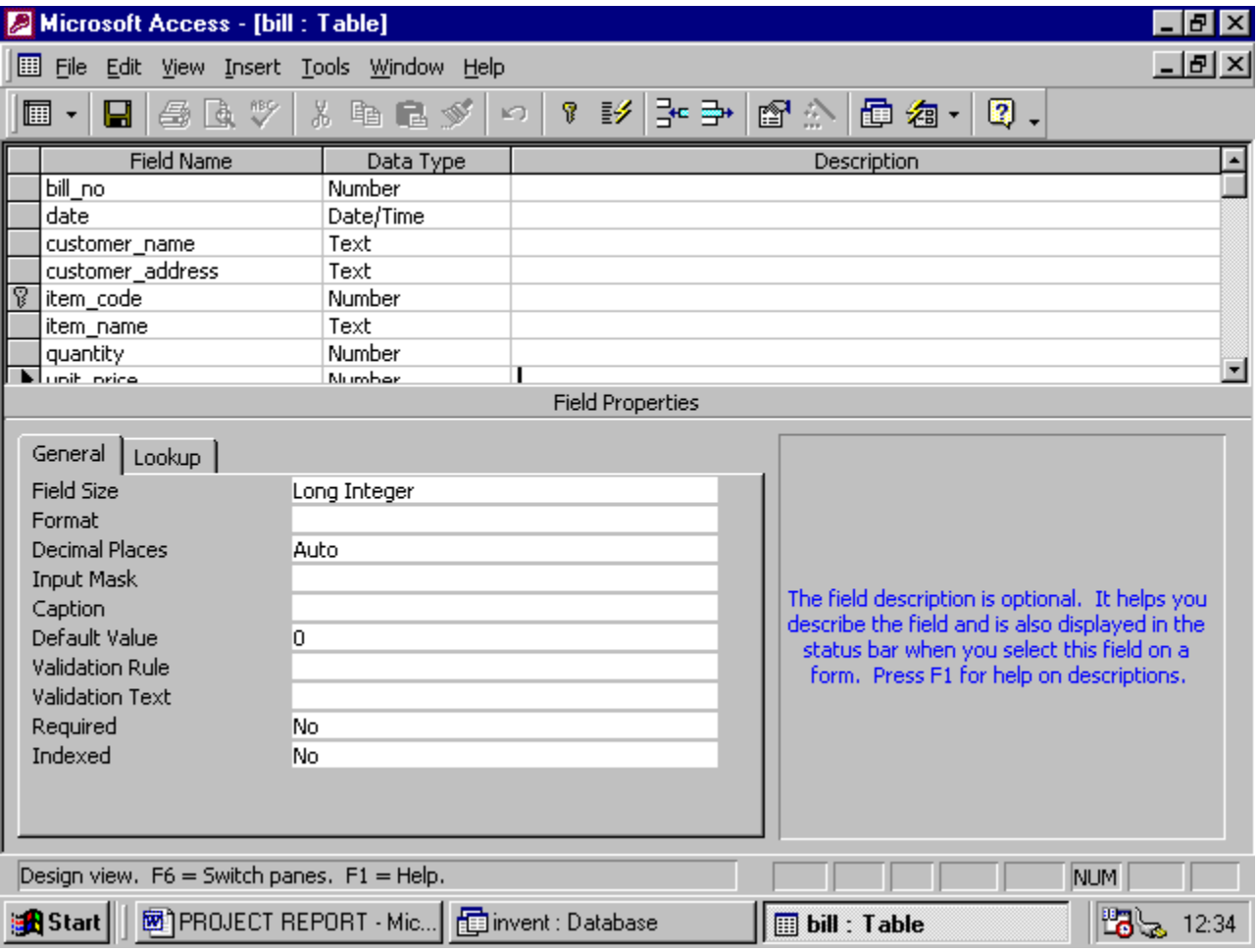

form2
SELE-BILL
Regno.
97/2002
date
Customer_name
Customer_add.
Bill_no
item_code
item_name
quantity
unit _price
amount
Grand total

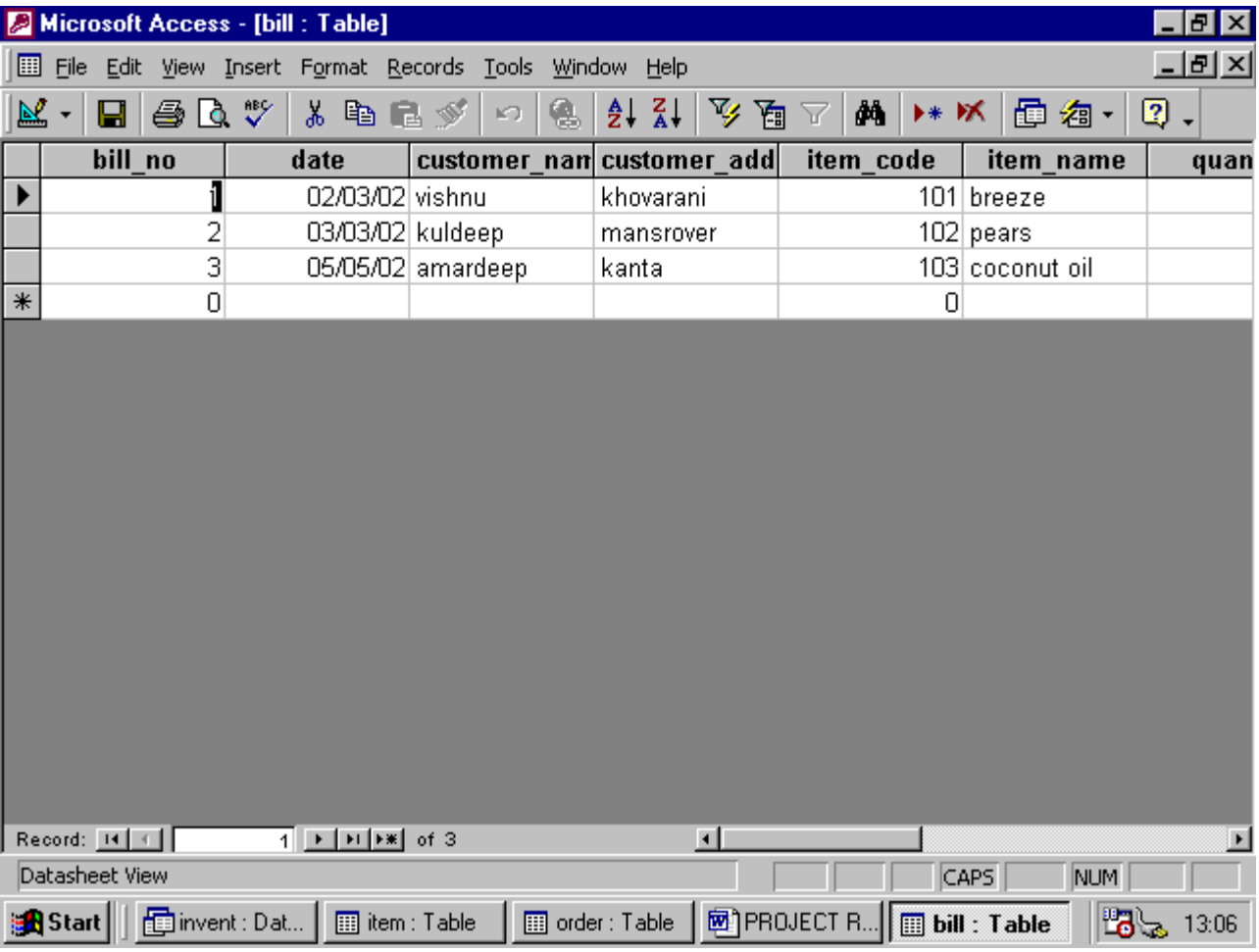
Start
Project1 - Microsoft Visual...
PROJECT REPORT - Mic...
form2
11:59

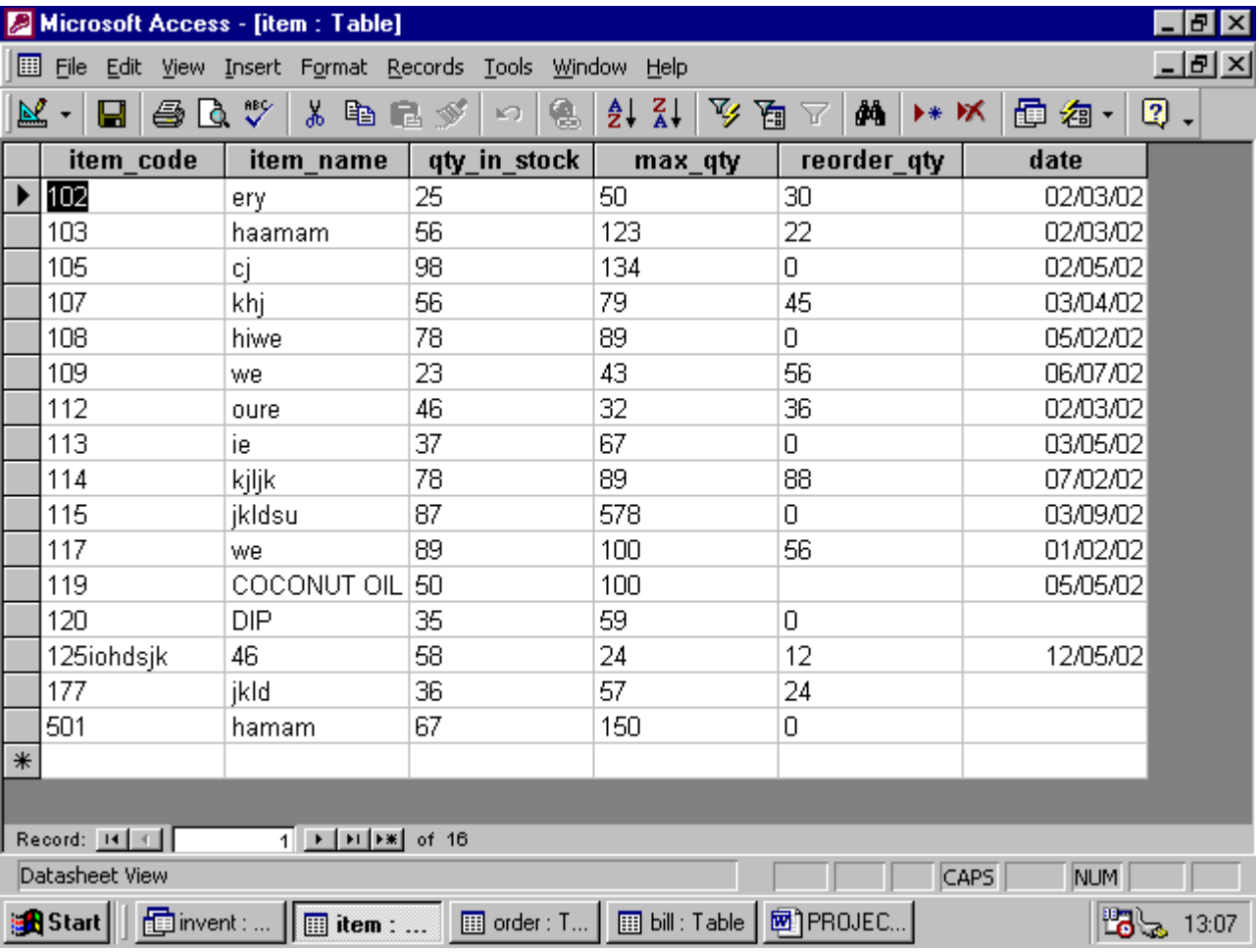

order
PURCHAGE-ORDER
REGNO. 97\2002
SUPPLIER_NAME
SUPPLIER_ADD.
VENDOR_CODE
ORDER_CODE
ORDER_DATE
S.NO
ITEM_CODE
ITEM_NAME
QUANTITY/UNIT
DELIVERY TIME
button
>
<
ADD
CANCEL
DELETE
MAIN
FIND
UPDATE
Start
PROJECT REPORT - Mic...
Project1 - Microsoft Visual...
order
11:35

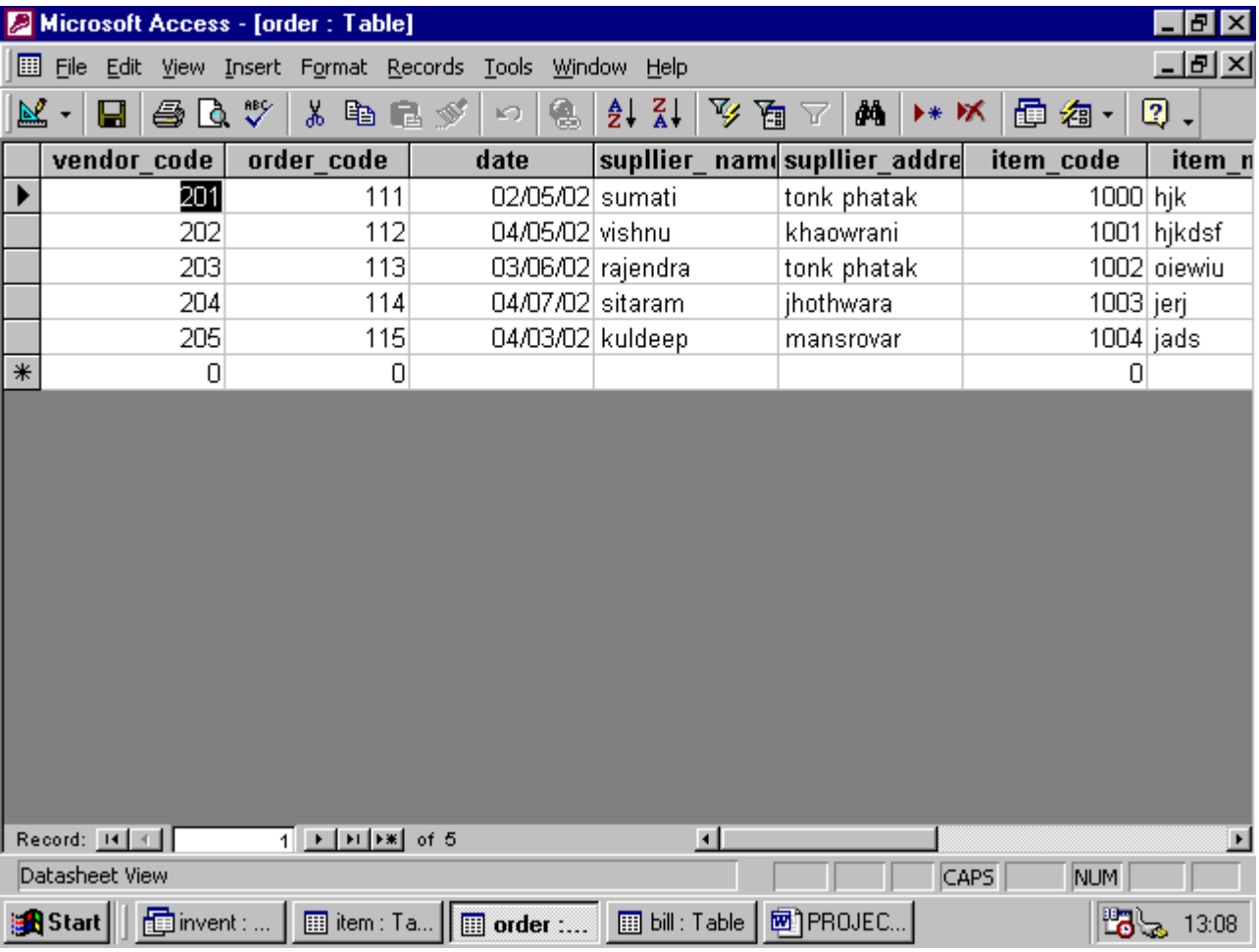

Microsoft Access - [item : Table]
File Edit View Insert Tools Window Help
Field Name
Data Type
Description
item_code
Text
item_name
Text
qty_in_stock
Text
max_qty
Text
reorder_qty
Text
date
Date/Time
Field Properties
General
Lookup
Field Size
50
Format
Input Mask
Caption
Default Value
Validation Rule
Validation Text
Required
No
Allow Zero Length
No
Indexed
Yes (No Duplicates)
Unicode Compression
Yes
A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.
Design view. F6 = Switch panes. F1 = Help.
CAPS
NUM
Start
invent : Database
item : Table
order : Table
PROJECT REPO...
13:02

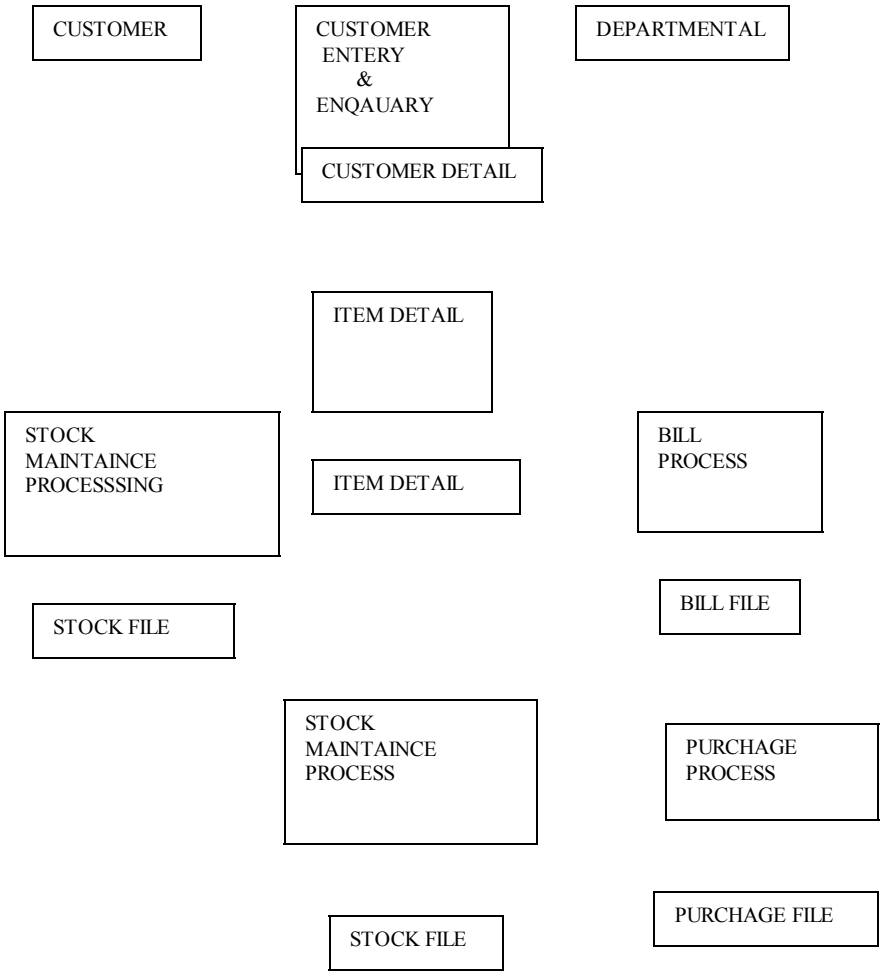

Microsoft Access - [order : Table]
File Edit View Insert Tools Window Help
Field Name
Data Type
Description
vendor_code
Number
order_code
Number
date
Date/Time
supllier_ name
Text
supllier_address
Text
item_code
Number
item_name
Text
Field Properties
General
Lookup
Field Size
Long Integer
Format
Decimal Places
Auto
Input Mask
Caption
Default Value
0
Validation Rule
Validation Text
Required
No
Indexed
Yes (Duplicates OK)
A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.
Design view. F6 = Switch panes. F1 = Help.
CAPS
NUM
Start
invent : Dat...
item : Table
order : Ta...
PROJECT R...
13:04


Microsoft Access - [bill : Table]
File Edit View Insert Tools Window Help
Field Name
Data Type
Description
bill_no
Number
date
Date/Time
customer_name
Text
customer_address
Text
item_code
Number
item_name
Text
quantity
Number
Field Properties
General
Lookup
Field Size
Long Integer
Format
Decimal Places
Auto
Input Mask
Caption
Default Value
0
Validation Rule
Validation Text
Required
No
Indexed
No
The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.
Design view. F6 = Switch panes. F1 = Help.
NUM
Start
PROJECT REPORT - Mic...
invent : Database
bill : Table
12:34


Microsoft Access - [bill : Table]
File Edit View Insert Format Records Tools Window Help
bill_no date customer_nan customer_add item_code item_name quan
1 02/03/02 vishnu khovarani 101 breeze
2 03/03/02 kuldeep mansrover 102 pears
3 05/05/02 amardeep kanta 103 coconut oil
0 0
Record: 1 of 3
Datasheet View
CAPS NUM
Start
invent : Dat...
item : Table
order : Table
PROJECT R...
bill : Table
13:06


Microsoft Access - [item : Table]
File Edit View Insert Format Records Tools Window Help
item_code item_name qty_in_stock max_qty reorder_qty date
102 ery 25 50 30 02/03/02
103 haamam 56 123 22 02/03/02
105 cj 98 134 0 02/05/02
107 khj 56 79 45 03/04/02
108 hiwe 78 89 0 05/02/02
109 we 23 43 56 06/07/02
112 oure 46 32 36 02/03/02
113 ie 37 67 0 03/05/02
114 kjljk 78 89 88 07/02/02
115 jkldsu 87 578 0 03/09/02
117 we 89 100 56 01/02/02
119 COCONUT OIL 50 100 05/05/02
120 DIP 35 59 0
125iohdsjk 46 58 24 12 12/05/02
177 jkld 36 57 24
501 hamam 67 150 0
Record: 1 of 16
Datasheet View
CAPS NUM
Start
invent : ...
item : ...
order : T...
bill : Table
PROJEC...
13:07


Microsoft Access - [order : Table]
File Edit View Insert Format Records Tools Window Help
vendor_code order_code date supllier_ nam supllier_addre item_code item_n
201 111 02/05/02 sumati tonk phatak 1000 hjk
202 112 04/05/02 vishnu khaowrani 1001 hjkdsf
203 113 03/06/02 rajendra tonk phatak 1002 oiewiu
204 114 04/07/02 sitaram jhothwara 1003 jerj
205 115 04/03/02 kuldeep mansrovar 1004 jads
0 0 0
Record: 1 of 5
Datasheet View
CAPS NUM
Start
invent : ...
item : Ta...
order :...
bill : Table
PROJEC...
13:08


CUSTOMER
CUSTOMER ENTERY & ENQAUARY
DEPARTMENTAL
CUSTOMER DETAIL
ITEM DETAIL
STOCK MAINTAINCE PROCESSSING
ITEM DETAIL
BILL PROCESS
BILL FILE
STOCK FILE
STOCK MAINTAINCE PROCESS
PURCHAGE PROCESS
PURCHAGE FILE
STOCK FILE