

P-1001

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
KUMARAGURU COLLEGE OF TECHNOLOGY  
Coimbatore – 641006



April 2003.

**“INVENTORY CONTROL & SHARE  
TRANSFERRING SYSTEM”**

PROJECT WORK DONE AT  
SRM SYSTEMS AND SOFTWARE  
CHENNAI.



**PROJECT REPORT**

Submitted in partial fulfillment of the requirements for the award of  
the Degree of **Master of Computer Applications** of Bharathiar  
University, Coimbatore.

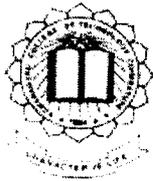
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KUMARAGURU COLLEGE OF TECHNOLOGY  
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April 2003.

CERTIFICATE

This is to certify that the project work entitled

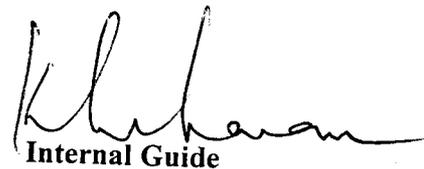
**“INVENTORY CONTROL & SHARE  
TRANSFERRING SYSTEM”**

Done By

M.Natarajan  
Reg. No. : 0038M1042

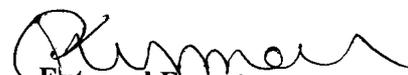
Submitted in partial fulfillment of the requirements for the award of the  
degree of Master of Computer Applications  
of Bharathiar University.

  
Professor and HOB

  
Internal Guide

Submitted to University Examination held on 16/4/2003

  
Internal Examiner

  
External Examiner

# SRM SYSTEMS AND SOFTWARE LIMITED

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08-March-2003

## CERTIFICATE

This is to certify that the Project work entitled “**Inventory Control and Share Transferring System**” was Analyzed, Designed and Developed by **Mr. M. Natarajan** (Reg. No.0038M1042) of **Kumaraguru College of Technology, Coimbatore**, submitted in partial fulfillment of the requirements of degree of **M.C.A.** has been carried out in our organization from December 2002 to March 2003. This project has been developed using **VB & Oracle**.

We wish him success in all his future endeavors.

For SRM Systems & Software

A handwritten signature in black ink, appearing to read 'Phubh', is written over a horizontal line.

Manager – Projects

---

• Boston • Chennai • London • Tokyo

## DECLARATION

I here by declare that the project entitled "INVENTORY CONTROL & SHARE TRANSFERRING SYSTEM", submitted to Bharathiar University as the project work of Master of Computer Applications Degree, is a record of original work done by me under the supervision and guidance of Mr.K. Aravind, B.E Software Engineer, SRM Systems & Software, Chennai and Mr.K.R.Baskaran, B.E.,M.S, Assistant Professor, Department of Computer Science and Engineering, Kumaraguru College of Technology. This project work has not found the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

**Name of Candidate**

**Register Number**

**Signature**

M.NATARAJAN

0038M1042

M. Natarajan

Place: COIMBATORE

Date: 16/4/2003

## ACKNOWLEDGEMENT

The endeavor over a long period can be successful by the advice and support of many well-wishers. We avail this opportunity to express our gratitude and appreciation of all of them.

We would like to express our profound respect to our beloved Principal **Dr.K.K.Padmanabhan, B.Sc(Engg), M.Tech.,Ph.D.**, for having provided the necessary facilities to complete this project.

We are greatly indebted to our beloved Head of the Department, **Dr.S.Thangasamy,B.E(Hons),Ph.D.**, Computer Science and Engineering, Kumaraguru College of Technology, for our source of inspiration and encouragement rendered by him.

We are greatly privileged to express our deep sense of gratitude to our course coordinator **Mr.A.Muthukumar M.Sc., M.C.A., M.Phil**, Course coordinator, Master of Computer Applications, Department of Computer Science and Engineering, who has been a motivating force behind all our deeds.

We also thank **Mr. K.R.Baskaran, B.E.,M.S**, for his active guidance, counseling and encouragement during the course of the project work.

I wish to extend my gratitude to **Mr.K.Aravind, B.E**, Software Engineer, **SRM Systems & Software**, Chennai, for giving me the opportunity to do this project in their organization.

Last but not least we express our sincere thanks to our parents and friends who were always there whenever the need arose.

## SYNOPSIS

The project included here share transferring system is meant for "SRM" systems and software ltd. This module forms the most important part in share accounting system.

The mode of operation of this system is , if a share holder wants to transfer some of his shares to someone else that can be done through some share trading home and through some brokers only , generally the organization will maintain the complete details about each and every share holder and they will have a folio number . The status, occupation details will be available with the organization.

Every share holder is allowed to have a maximum of 12 share certificates and the starting number to ending number in each share certificates will be maintained in the folio by the company.

If a share holder wants to transfer some of his shares to someone, he should intimate to the corporate office and a pre defined form is there and that has to be filled in by the share holder . the form will be verified at the corporate office and if any default found it will be rejected and sent back to the share holder.

Once in 15 days the boards of directors meet and the details regarding share transfer will be discussed. On that meeting they take decision whether to transfer the eligible ones.

If accepted, then the transfer will occur and for new share holders separate folio number will be created and opened. The rejected transfers may be taken back after few meetings.

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# *Introduction*

## ORGANISATION PROFILE

**SRM Technologies Limited** - a division of the SRM Group is a strategic investor in SOFIL.

SRM's core competence has been in delivering technology solutions and we have executed numerous projects of varying complexities and magnitude in this short span of time. The solutions offered have been in the areas of Embedded Software, Networking Solutions, e-Business solutions, Multimedia and Migration & Legacy Conversion.

Realizing the need for complete business solutions that many clients demand, SRM has set up areas of competence in domains spanning Banking, Engineering Services, ERP, e-Governance and Insurance. The capability to provide efficient business solutions coupled with technological prowess have further enhanced our reputation to be a one-stop-shop addressing entire business requirements of our customers.

SRM has since its inception endeavored to provide value added software services with a great emphasis on delivery schedule and quality. We have been successful in this quest for perfection to a great extent due to the highly competent and skilled manpower backed by excellent project management skills. Competence in the Japanese language - a unique skill that almost all our employees possess has been a critical factor for our success in the Japanese market. This apart, our flexibility in seamlessly adapting to the requirements of our clients to deliver solutions either on-site, off-site or through off shore development centers (ODCs) has made SRM a partner of choice for many customers.

SOFIL is an ISO 9001 certified company and is in the process of acquiring the SEI CMM Level 4 certification.

## **OVERVIEW OF THE PROJECT**

The primary aim of this software is to provide automation for the inventory control system and share transferring system.

The project is divided into two modules,

1. Inventory Control System.
2. Share Transferring System

### **Inventory Control System:**

The system mainly deals with the control of items stock in the store. It keeps track of the existing items. On line information about the item stock.

Receiving materials are done based on the minimum level and recorder level. This helps to maintain the quality of materials.

Issuing of materials is done based on the requirement for developing the product.

Thus the system is designed to satisfy the above needs, using Visual Basic 6.0 as Front End and Oracle 8.0 as Back End.

### **Share Transferring System:**

The mode of operation of this system is, if a shareholder wants to transfer some of his shares to someone else that can be done through some share trading home and through some brokers only, generally the organization will maintain the complete details about each and every shareholder and they will have a folio number. The status, occupation details will be available with the organization.

Every shareholder is allowed to have a maximum of 12 share certificates and the starting number to ending number in each share certificates will be maintained in the folio by the company.

If a shareholder wants to transfer some of his shares to someone, he should intimate to the corporate office and a pre-defined form is there and that has to be filled in by the shareholder. The form will be verified at the corporate office and if any default found it will be rejected and sent back to the shareholder.

Once in 15 days the board of directors meets and the details regarding share transfer will be discussed. On that meeting they take decision whether to transfer the eligible ones.

If accepted, then the transfer will occur and for new shareholders separate folio number will be created and opened. The rejected transfers may be taken back after few meetings.

## OBJECTIVE OF THE PROJECT:

The project is designed mainly to achieve the following goals precisely:

- Robustness
- Portability
- Making users job friendly
- Providing on line information
- More accuracy.

*Analysis*

# SYSTEM ANALYSIS

## 2.1 Need for Computerization

When inventory and share transferring was done manually, all the entries, transaction, reports were to be prepared by the manual effort. This resulted in many drawbacks.

**They were mainly disadvantageous because:**

Largely time consuming, difficult to preserve old records, no proper efficiency. As the demands are growing larger and larger, manual power increases and hence they find hard to keep track of the information and data's. Hence the operations are computerized. When computerized, the above constraints are broken.

## 2.2 Existing System

"SRM" being a company of a high quality and a company of great market value, it has already computerized its share transactions. The only factor is that the existing system is developed using INGRES-RDBMS software, which is these days outdated. Moreover in today's world of Graphical User Interface (GUI), there is no place for software's that do not provide these type of facilities.

Moreover Software's developed other than WINDOWS platform does not provide so much of user friendly features where as Ingress works on the UNIX platform. So obviously the software's that run on UNIX environment does not provide a great amount of user friendly features. User friendliness is of prime importance in today's world of

computing. So software developers must be concentrating towards developing user-friendlier software. This is possible only when WINDOWS platform is chosen.

## 2.3 Proposed System:

The proposed system is to be designed to fulfill the entire user requirements. It is going to be very much a user-friendly package. This system is aimed at reducing a great amount of manual work and to provide good automation. The proposed system is developed using

**MS VISUAL BASIC 6.0** as Front End tool

**ORACLE 8.0** as Backend tool.

## 2.4 Hardware and Software Environment:

### HARDWARE ENVIRONMENT:

Processor: Pentium III 450(Recommended)

Primary Memory: 64MB (Recommended)

Secondary Memory: 4GB (Recommended)

### SOFTWARE ENVIRONMENT

Operating System: Microsoft Windows 98

Front-end: Microsoft Visual Basic6.0

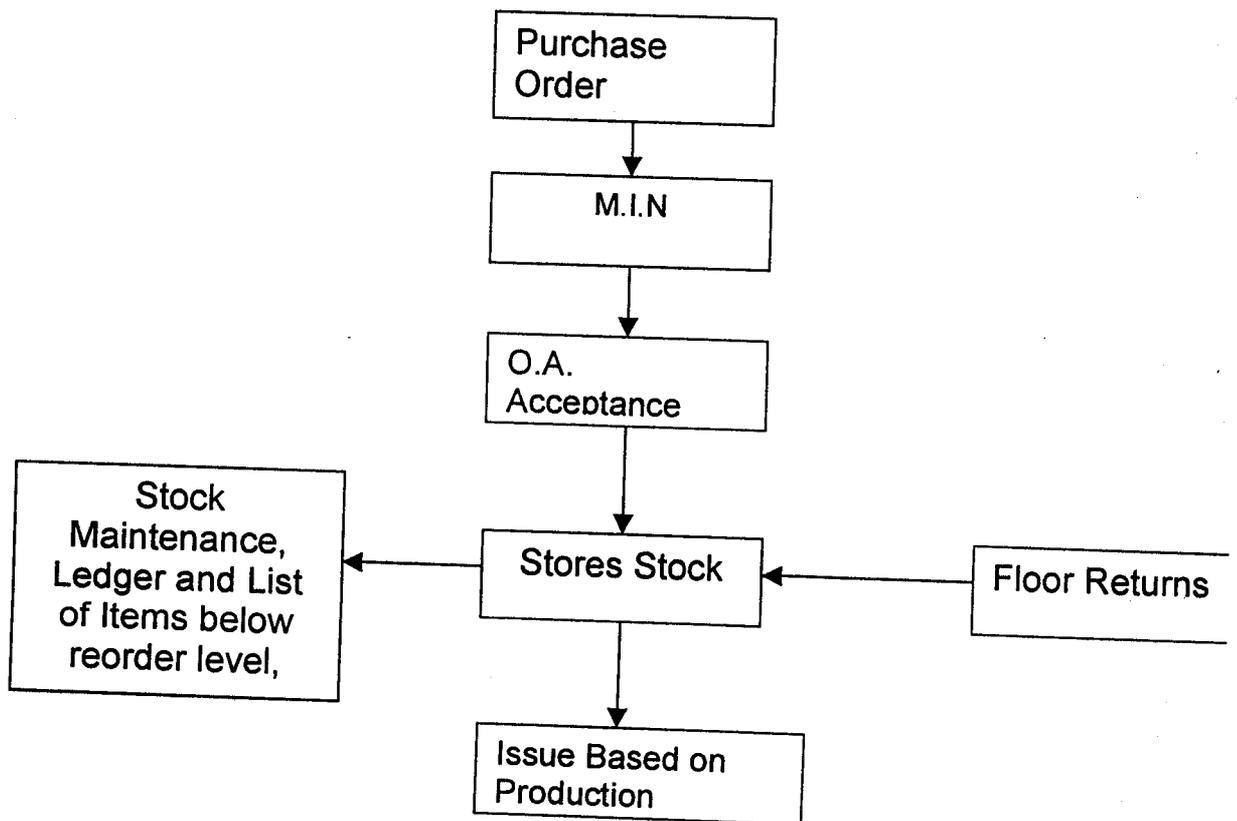
Backend: Oracle8.0

*Design*

## SYSTEM FLOW DIAGRAM

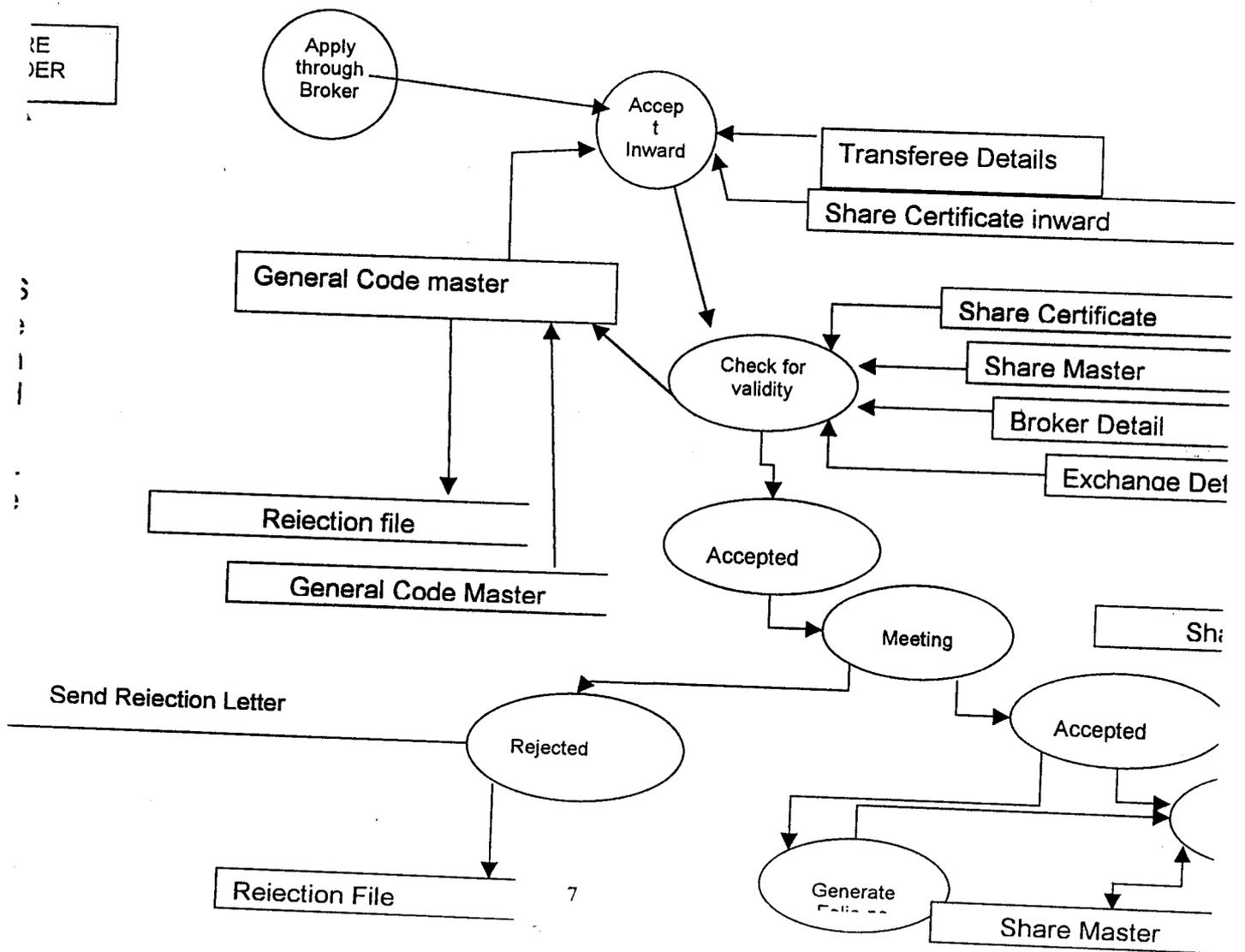
### DATA FLOW DIAGRAMS

#### INVENTORY CONTROL SYSTEMS



M.I.N – Materials Inward Note  
Q.A – Quality Assurance

# SHARE TRANSFERRING SYSTEM



## 3.2 INPUT DESIGN

### Inventory Control System:

Input to a system can be defined as the information that is to be provided to the system that is used for further processing by the systems to obtain meaningful information, which helps in decision-making.

Input design consists of developing specifications and procedures necessary for processing the data entered.

The objective followed while doing input design are controlling the data entered (ie.) preventing the entry of invalid data, all the validation checks to be done on the data entered are specified.

The input screens used in this system are classified into

- Maintenance screen
- Transaction screen

### Maintenance screen:

The input design of the maintenance screen includes the initial data entry and pupations made at later stage. The data are entered through the maintenance

Screen

### Transactions screen:

The screen design for the transaction screen deals with designing input screens for the various transactions made in the system. The transaction is the process that takes place continuously in an organization.

### Standard procedures adapted for screens:

When a screen is invoked generally the user can see the following modes & operations:-

1. Save
2. Delete
3. Cancel
4. Back.

The underscored letters are hot keys for the corresponding buttons instead of clicking the buttons; pressing alt plus the underscored letter can activate the same).

The underscored letters are

#### 1. **Save:**

This button is used to save the details that are given as input by the users.

#### 2. **Delete:**

Any entry in the database can be deleted by activating this button.

#### 3. **Cancel:**

If the user wants to cancel the changes, which he has done already, then he should click this cancel button.

#### 4. **Back:**

If this back button is clicked, it will go to the previous screen.

### **SHARE TRANSFERRING SYSTEM:**

The system receives the following information for share transferring. Firstly, all the information regarding the transferee, transferor folio number and the details regarding stockbroker and exchange is received through the pre-defined form that is, share transfer form.

The inputs about transferor details are

1. Inward number
2. Inward date
3. Presentation date
4. Transferor folio no.
5. Total shares to be transferred.
6. Exchange code
7. Broker code
8. Rejection flag
9. Operator id
10. Entry date
11. Share value
12. Stamp value
13. Execution date

The inputs for transferee details are

1. Inward No.
2. Transferee folio no.
3. Transferee name.
4. Address.
5. Pin code.

6. Fathers name.
7. Existing or new shareholder.
8. Occupation code.
9. Status code.
10. Single/Joint.
11. Joint name1
12. Joint name2
13. Joint name3
14. Alpha name

### **Code Design:**

The codes in the system enable easy way of updating an identifying the items easily. It is normal practice that all the primary keys should have a codification scheme. Based on the codification scheme the data are allowed to be entered. This increases the system flexibility, as user cannot give any type of data, which will affect the system performance. There is codification scheme aid out for this project and is given below.

### **Inventory Control System:**

1. Department code: 99AAA
2. Material code:

The material code is identified as drawing number. There are nine digits.

The first digit is the main category. It can be any of the following:-

1. Storage disks
2. Ply woods
3. Lights
4. Purchase component

5. Shop made component
6. Consumable item
7. Imported item
8. Tools
9. Machinery spares.

The next seven digits represent: -

1. Machine
2. Machine part
3. Running serial no.

#### **Machine**

The second and third digits refer to the machine. It can be any of the following.

1

2

#### **Machine part:**

The fourth and fifth digit represents the machine part.

Running serial No: -

The running serial number are the sixth, seventh & eighth digit of the drawing number.

This consists of odd or even number. If it is an odd number it is casting material and if it is an even number it is a raw material.

The last digit is the variation of component version.

The store number will be generated automatically based on the first digit of the drawing number.

**Share Transferring System:**

In the share transferring system there are four main processing phases they are as follows:

- a) Master maintenance
- b) Inward entry
- c) After meeting
- d) Reports

The main menu consist of

- 1) Master
- 2) Transaction
- 3) Reports
- 4) Exit

Once the first option is chosen the following are the choices

- 1) Share master
2. Control file master
- 3) Market share value
- 4) Occupation master
- 5) Remark file.
- 6) Status master
- 7) Broker master
- 8) Exchange master
- 9) Share certificate

All options has the sub-module options as the following:

1. Append
2. Modify

3. Delete

4. View

5. Exit

Using these options we are able to insert, modify, delete and view the records of the corresponding tables.

Under transaction we have the following sub-menu

1. Inward entry

2. Transferor acknowledgement

3. Transferee acknowledgement

4. Rejection letter

5. After meeting

After entering the necessary inward details, the transferor waits for the next board meeting. At the board meeting the members decide whether to transfer or not. The inward number of application form, which got nodded from the members of the governing board, is noted down. An entry is made after the meeting under after meeting transaction.

Rejection letter is printed and sent to the transferor who is being rejected for the others the share master is updated and if the transferee is new, folio number is automatically created and the share \_certificate is updated for both the transferor and transferee. The constraint that the sum of share certificates should be less than twelve is checked and validated.

## DATABASE DESIGN

There is a database structure maintained in the server at the client place where the development took place.

### DATABASE TABLES

#### SHARE TRANSFERRING SYSTEM

Table name : SHARE\_MASTER  
 Description : shareholder details  
 Type : Master

Field	Controls	Type	Description
MFOLNO	Primary key	Varchar(8)	Master folio number
MNAME		Varchar(35)	Shareholder name
MADD1		Varchar(30)	Address
MADD2		Varchar(30)	"
MADD3		Varchar(30)	"
MPLAC		Varchar(30)	PIN
MSTCD	Ref-GENERAL CODE MASTER	Varchar(2)	Status code
MOCCD		Varchar(2)	Occupation code
MFNAME		Varchar(30)	Fathers name
MFNAME		Number(6)	Number of shares
MSHARE		Varchar(1)	Tax exempt any
MEXMPTG		Number(6)	Tax-ex highest
MEXMPHL		Varchar(1)	Status indicator
MCLIND		Varchar(35)	Alpha name
MANAME		Number(8)	Opening number
MUDATE		Date	Updated Date
MCHDATE		Date	Changed date

Table name : SHARE\_JOINT\_MASTER  
 Description : Shareholders joint details  
 Type : Master

Field	Constraints	Type	Length	Description
TRFOLNO	Ref-SHARE- MASTER	Varchar	8	Transferor Folio
TEFOLNO		Varchar	8	Transferor Folio
JNAME1		Varchar	30	Joint name1.
JNAME2		Varchar	30	Joint name2.
JNAME3		Varchar	30	Joint name3.

Table name : SHARE\_CONTROL\_FILE  
 Description : Board meeting details  
 Type : Master

Field	Constraints	Type	Description
CTYPE		Varchar(2)	Share control type(ME)
CCODE	Primary key	Number (4)	Running number
CSTRNO		Number (6)	Starting inward
CENDNO		Number (6)	Ending inward
CTOTSHOL		Number (6)	Total S/H
CTOTSHS		Number (8)	Total shares
MSDATE		Date	Date of meetings

Table name : GENERAL\_CODE\_MASTER  
 Description : Rejection, Occupation & Status remarks  
 Type : Master

Field	Constraints	Type	Description
TYPE		Varchar(1)	Code type
CODE	Primary key	Varchar(2)	Code
DES		Varchar(35)	Description of code

Table name : SHARE\_CERTIFICATE  
 Description : Share certificate details of the shareholders.  
 Type : Master

Type	Constraints	Type	Description
SFOLNO	Ref-SHARE_MASTER	Varchar(8)	Share folio No.
SCERNO	Primary key	Varchar (12)	Certificate No.
SSTGNO		Number (8)	Share St- No.
SENDNO		Number (8)	Share end No.
STOT		Number (6)	Total shares
SFLG		Varchar(1)	Share sold flag

Table name : MARKET\_SHARE\_VAL  
 Description : Daily share market value  
 Type : Master

Field	Constraints	Type	Description
MSDATE	Primary key	Varchar(9)	Market share Entry date
EXCCOD	Primary key	Varchar(2)	Exchange Code
EXCRATE		Number(10,2)	Market rate

Table name : EXCHANGE\_DETAIL  
 Description : Exchange particulars  
 Type : Master

Field	Constraints	Type	Description
EXCODE	Primary key	Varchar(2)	Exchange code
EXADD1		Varchar(25)	Exchange add
EXADD2		Varchar(20)	"
EXADD3		Varchar(20)	"
EXPLAC		Varchar(7)	PIN

Table name : BROKER\_DETAIL  
 Description : Broker particulars  
 Type : Master

Field	Constraint	Type	Description
BRKCD	Primary key	Varchar(4)	Broker code
BRKN		Varchar(30)	Broker name
BRKADD1		Varchar(25)	Broker address
BRKADD2		Varchar(20)	"
BRKADD3		Varchar(20)	"
BRKPLC		Varchar(7)	PIN

Table name : INWARD\_DETAIL  
 Description : Inward details  
 Type : Transaction

Field	Constraint	Type	Description
INWNO	Primary key	Number (6)	Inward no.
INWDT		Date	Inward date.
INTFRFOL	Ref. SHARE_MASTER	Varchar(8)	Transferor folio
INTOTSH		Number(7)	Total shares
INEXCD	Ref. EXCHANGE_DETAIL	Varchar(2)	Exchange code
INBRKCD	Ref. BROKER_DETAIL	Varchar(4)	Broker code
INREJFLG		Varchar(1)	Rejection flag
INPRSDT		Date	Present- Date
INOPTRID		Varchar(2)	Operator id
INOPTRDT		Date	Entry date
INSHVAL		Number(8)	Share value
INSTMVAL		Number(8)	Stamp value
INEXDATE		Date	Execution date

Table name : REJECTION\_FILE  
 Description : Rejection details  
 Type : Transaction

Field	Constraint	Type	Description
REJCODE	Ref-GENERAL CODE_MASTER	VARCHAR(2)	Rein- Code.
SLNO	Primary key	Number(6)	Serial No.
INNO	Ref.INWARD_DETAIL	Number(6)	Inward no.
TRFOLNO	Ref-SHARE_MASTER	VARCHAR(8)	Trans-folio.

Table name : TRANSFEREE\_DETAILS  
 Description : Transferee details  
 Type : Transaction

Field	Constraint	Type	Description
INWARDNO	Ref.INWARD_DETAIL	Number(6)	Inward no.
TEXON		Varchar(1)	Exit/New
TEFOLNO		Varchar(8)	Buyer's folio
TINNAM		Varchar(35)	Buyer's name
TINADD1		Varchar(30)	Address
TINADD2		Varchar(30)	''
TINADD3		Varchar(30)	''
TINPLAC		Varchar(7)	PIN
TFATNAM		Varchar(30)	Father's name
TOCCD	Ref-GENERAL_CODE MASTER	Varchar(2)	Occup-code
TSTCD	''	Varchar(2)	Status code
TJOS		Varchar(1)	Single/joint
TJ1		Varchar(30)	Joint name1
TJ2		Varchar(30)	Joint name2
TJ3		Varchar(30)	Jointname3
TANAME		Varchar(35)	Alpha name

Table name : CERTIFICATE\_ENTRY  
 Description : Certificate detail entry  
 Type : Transaction

Field	Constraint	Type	Description
INWNUM	Ref.INWARD_DETAIL	Number(6)	Inward number
SCERNUM	Ref- SHARE_CERTIFICATE.	Number(12)	Certifi-no
SSTGNUM		Number(8)	Starting no.
SENDNUM		Number(8)	Ending no.
STOTAL		Number(6)	Total shares

INVENTORY TABLES:

HOUSE

Column Name	Type	Description
DRG NO	Varchar2(9)	Drawing number of the item
DESCRIPTION	Varchar2(35)	Description of the item
OP_YEAR	Number( 4 )	Opening year
OP_MONTH	Number( 2 )	Opening month
OP_STOCK	Number( 9,2)	Opening stock

MAINT

Column Name	Type	Description
STORE NO	Varchar2(2)	Store number for item storage
DRG NO	Varchar2(9)	Drawing number of the item
DESCRIPTION	Varchar2(3 )	Description of the item
UNIT	Varchar2(2 )	Unit of measurement
RATE	Number(9,2)	Amount of the item
MINI LEVEL	Number(9,2)	Minimum level
REORDER LEVEL	Number(9,2)	Reorder level
MAX LEVEL	Number(9,2)	Maximum level
LOCATION	Varchar2(10)	Location for storing item in stores
OB_YEAR	Number(9,2)	Opening year
OB_MONTH	Number(9,2)	Opening month
STATUS FLAG	Varchar2(10)	Status of item
STDATE	Date	System date

TRANS

Column Name	Type	Description
DOC NO	Vachar2( 6)	Document number
WORK_ORD_NO	Vachar2(15)	Work order number
TRAN_CODE	Vachar2(2)	Transaction code
REF_NO	Vachar2(6)	Reference number
REF_DT	Date	Reference date
DRG_NO	Vachar2(9)	Drawing number
QTY_ISSU	Number(9,2)	Quantity of items issued
QTY_RECE	Number(9,2)	Quantity of items received
DEPT_NO	Vachar2(4)	Department number
ENTRY_BY	Vachar2(2)	Person's code who made transaction

INFN

Column Name	Type	Description
LOGIN_NAME	Varchar2(20)	Login name
PASSWORD	Varchar2(15)	Password to login
DEPT_NO	Varchar2(4)	Department of the user
LEV_EL	Number(1)	1-Administrator,2-User
FNAME	Varchar2(15)	First name of user
LNAME	Varchar2(15)	Last name of user
ADDRESS	Varchar2(30)	Address of user
ENTRY_BY	Varchar2(2)	Employee code

## **OUTPUT DESIGN:**

### **Inventory control system:**

Outputs from a system are required primarily to communicate the result of processing to the users and to provide permanent copy of these results. While designing the output, the types of the report content format have been taken into consideration.

The reports of the system are generated so as to meet the requirements of top middle and down line management. The reports are designed as per the requirements of the client.

### **Share Transferring system:**

The output design is for arranging the presentation of information in an acceptable format. The following are the result of output design.

- 1) Transferor acknowledgement
- 2) Transferee acknowledgement
- 3) Rejection letter
- 4) Certificate printing
- 5) Report

#### **Transferor acknowledgement**

This prints the acknowledgement letter for the transferor whether the transfer request is accepted or turned down and the cause is also mentioned.

#### **Transferee acknowledgement**

This prints the acknowledgement letter for the transferor to acknowledge him that the transfer is being made to him.

**Rejection letter:**

After the board meeting, the letter is printed and sends to transferor along with the cause why he is being rejected.

**Reports:**

When the management wants to go through the reports then there is a fully menu driven reports available.

**These are classified into three types:**

1) General reports:

Inward register

Rejection register

Rejection taken list

2) Monthly reports:

Share sold register

Share acquired register

Share transfer register

Certificate printed

Covering letter print

Folio ledger print

Share holder who acquired greater than 200

Share holder who acquired greater than 500

Total shareholder checklist

3) Miscellaneous reports:

# *Implementation & Testing*

List of top 25 share holder

List of top 100 share holder

Address top 100 shareholders

List of TVs shareholder

List of folio closed

## SYSTEM IMPLEMENTATION & TESTING

### Inventory Control System

#### 4.1 System implementation:

As far as this project is concerned, it is developed using clients hardware and software at the client's site. Hence there is no phase called implementation, the data structure is also available on the system and hence the client can directly use the system.

System testing is a style of implementation. Which is aimed at ensuring that the system works correctly at various levels.

The inventory control system has been tested under various conditions with different kinds of data.

### Share Transferring System

#### IMPLEMENTATION

The share transferring system was successfully tested with test data and the equipment needed for this system is already existing and so it was an added advantage to the development of this system.

#### 4.2 SYSTEM TESTING

#### INVENTORY CONTROL SYSTEM

**The system is tested in three phases:**

- Unit testing

- System testing
- Acceptance testing.

## UNIT TESTING:

Here, each program unit is tested individually. So any error in a unit is debugged. Sample data is given for unit testing. The unit test results are recorded for further reference. During unit testing the functionality of the program unit, validations and imitations are tested.

## SYSTEM TESTING

In system testing, the whole system is tested for the interfaces between the modules and program units are tested and recorded. This testing is done with sample data and live data. The security, communication between the interfaces is tested.

## ACCEPTANCE TESTING

The acceptance testing is the final stage of testing phase. The user does this. The system is given to user and they will test the system with live data. The various possibilities of the data are entered and response from the system is tested. Once this testing is signed-off by the client, then we can successfully implement the system.

## Share Transferring System

### DATA VALIDATION:

Data validation is to detect error as quickly as possible before processing takes place. IN this case on screen checking would enable us to detect any incorrect data. Various validation checks are used to detect error in this system.

#### **Range test:**

The use of taking various ranges of data by setting maximum and minimum values for the range. If the data fall outside these pre-determined values. It will automatically reject.

**E.g.** if the inward date is less than presentation date then the system will show error with the appropriate message.

**Field test:**

The data items are all of pre-determined size, and type if the user enters larger than the prescribed limit and also if invalid type then the data is rejected.

**E.g.**, in this system, when the user enters any alpha characters in numeric field then the field is discarded. Unless the user types in according to correct field definition the cursor doesn't move.

**Validity test:**

In this test, the input data is compared against a table, to check whether the actual value is valid or not. Again the validity of total number of shares is also considered. If we enter negative value in this field the cursor doesn't move we correct them.

*Conclusion*

## **CONCLUSION**

With the exposure of the technical knowledge of computers and its languages, whatever we gained is fully applied in the design and implementation of the share transferring system.

The share accounting system has been done to reduce the workload of the staff of the organization. This system has an added advantage of reliability and accuracy.

All the suggestions forwarded in the software proposal have been successfully completed and the final thresholds of the application have been crossed.

During the design phase of the share accounting system many difficulties were encountered. All these difficulties were analyzed deeply and great efforts were taken to bring out an accurate and credible software package.

This user-friendly software overcomes strict and severe validation checks performed using the test data. A great effort was made to attain maximum perfection in documenting the software in a simple, precise and self-explanatory manner.

## *Bibliography*

## **BIBLIOGRAPHY**

### **1. Mastering Visual Basic 6.0**

Author : Evangelos Petroustos  
Publications : TATA- McGraw-Hill

### **2. Visual Basic 6 Complete Reference**

Author : Jerke  
Publications : BPB Publications

### **3. Visual Basic 6 Client/Server & database Programming**

Author : Michael McDonald  
Publications : TATA- McGraw-Hill

### **4. Oracle With Visual Basic:**

Author : Snowdon  
Publications : Galgotia Publications

# *Appendix*

# INVENTORY SCREENS

## ITEM MASTER

Item Master

Clear

Save

View

Delete

Exit

	Product Code	Product Description	Open Qty	QOH	RDL	Price	Value
1							





# PURCHASE DETAILS

Purchase Details

Clear Save Delete Print

Bill No: 3

Sub: [ ]

PRODCODE	DESCRIPTION	QTY	
1			

[ ]

[ ]

[ ]

[ ]

[ ]

# PUCHASE RETURN DETAILS

**Purchase Return Details**

Clear Save Delete

Primary Bill No.

PRODCODE	DESCRIPTION	QTY	DATE	REMARK
1				



# SALES RETURN DETAILS

Sales Return Details

Clear Save Delete Exit

SR NO 3

PRODCODE	DESCRIPTION	QTY	AMOUNT
1			

# PAYMENT DETAILS

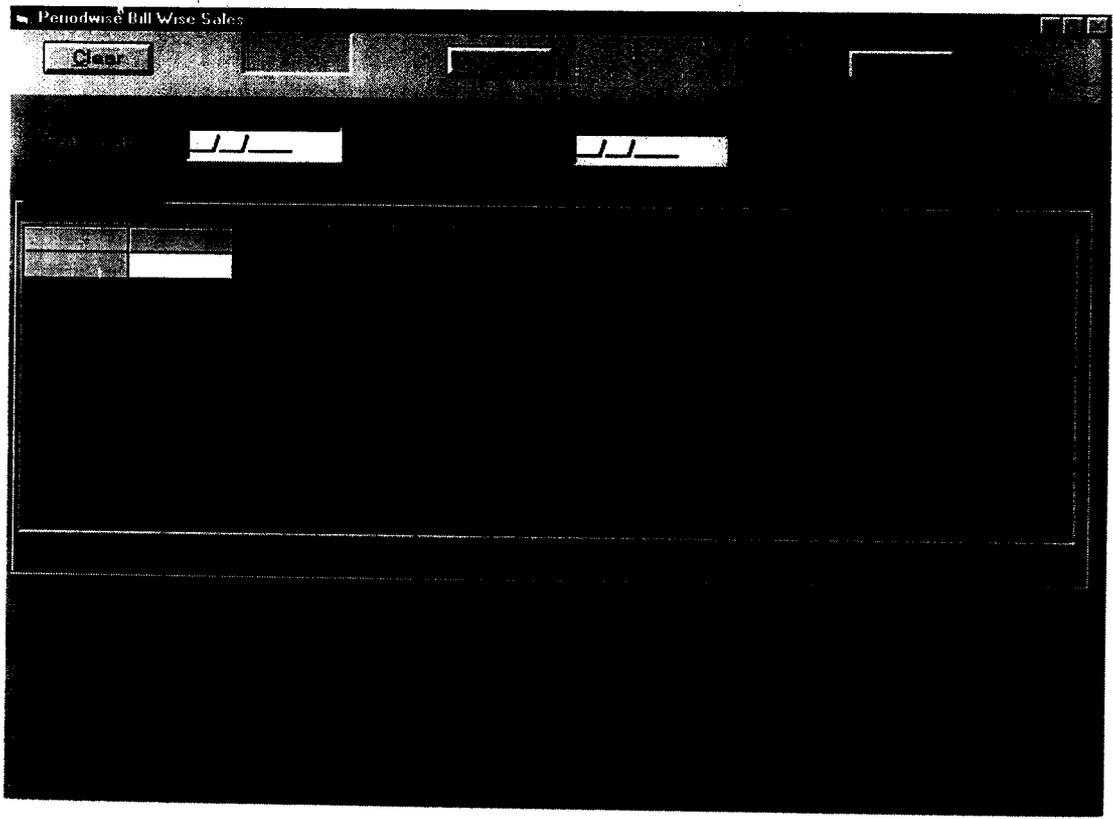
Payment Details

Clear Save Cancel

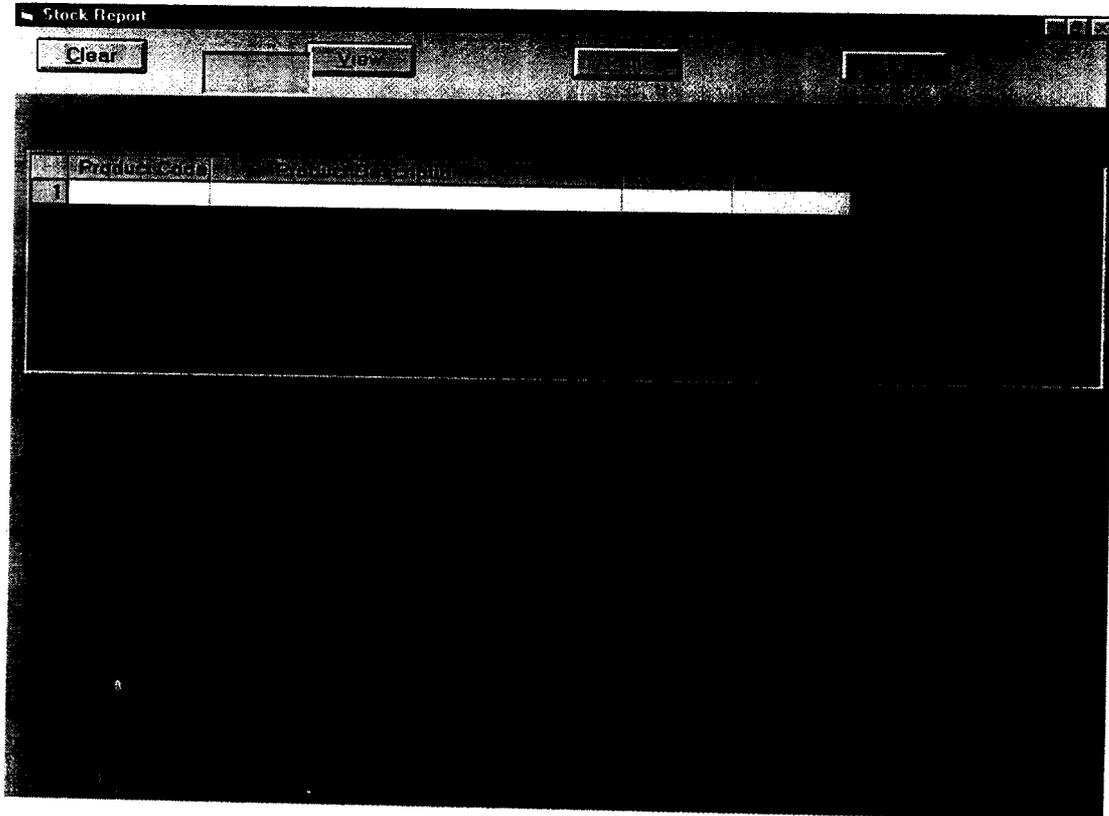
3	///
	///



# PERIODWISE BILLWISE SALES

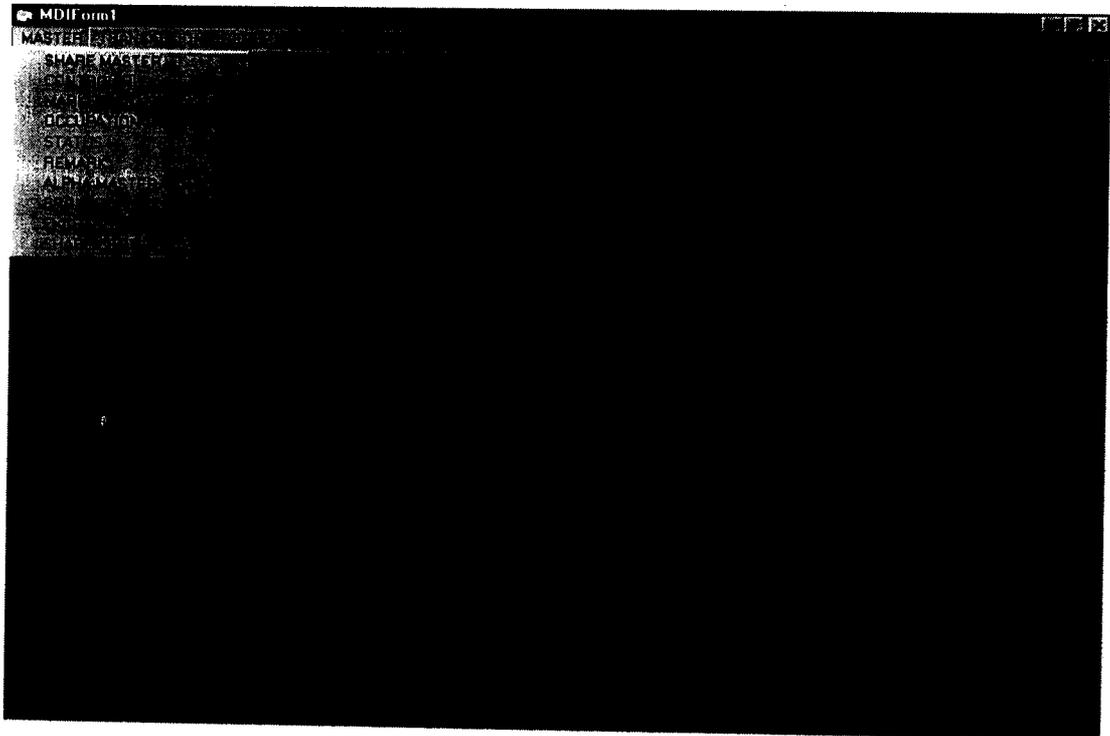


# STOCK REPORT



# SCREENS FOR SHARE TRANSFERRING SYSTEM

## MDI FORM



# SHARE MASTER

**SHARE MASTER**

THE FOLLOWING ARE THE SHARES:

ACCOUNT NO.	<input type="text"/>	<input type="text"/>
ADDRESS	<input type="text"/>	<input type="text"/>
SHARES	<input type="text"/>	<input type="text"/>
DATE	<input type="text"/>	<input type="text"/>
BUYER	<input type="text"/>	<input type="text"/>
SELLER	<input type="text"/>	<input type="text"/>
CREATED BY	<input type="text"/>	<input type="text"/>
REVISION	<input type="text"/>	<input type="text"/>

MARKET SHARE VALUE

SHARE VALUE FORM

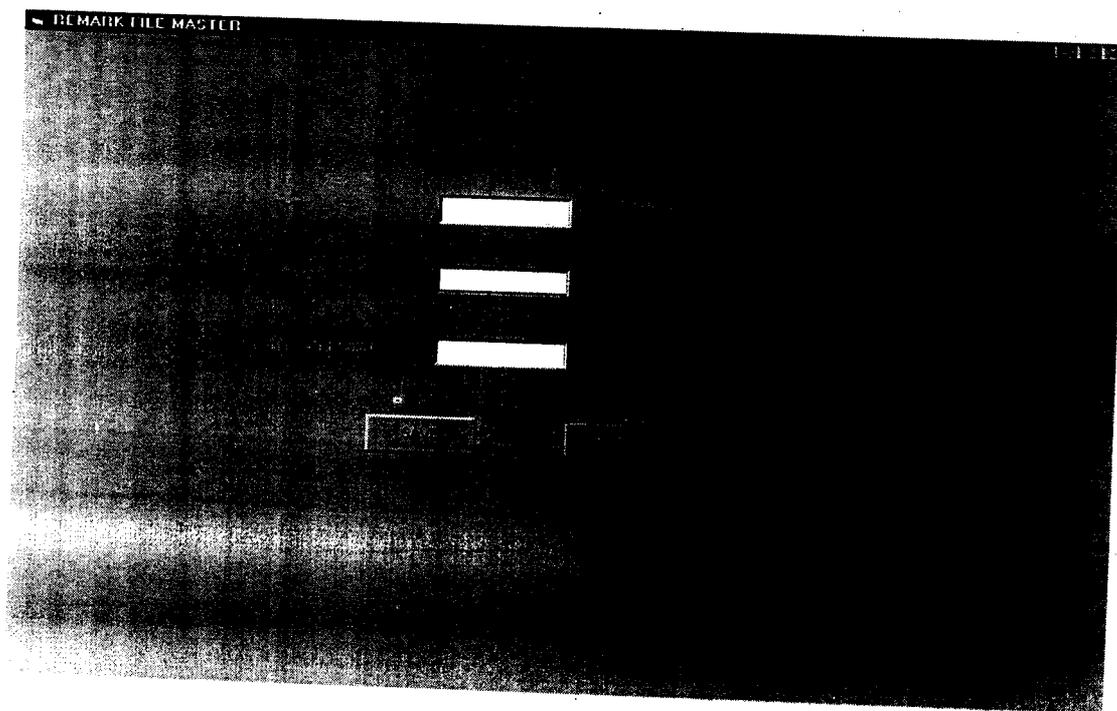
DATE

EXCHANGE  
CODE

RATE



REMARK FILE MASTER



# BROKER DETAILS

BROKER DETAILS

BROKER CODE:

BROKER NAME:

PINCODE:

# EXCHANGE MASTER

EXCHANGE MASTER

EXCHANGE CODE

EXCHANGE ADDRESS

CITY CODE

# SHARE CERTIFICATE

SHARE CERTIFICATE

CERTIFICATE NO.

FOLIUM NO.

STARTING NO.

ENDING NO.

TOTAL SHARES

SHARE SOLD FLAG

SAVE  OK

# INWARD ENTRY FORM

**INWARD ENTRY FORM** [min] [max] [close]

INWARD NO	<input type="text"/>	INWARD DATE	<input type="text"/>
PRESENTATION DATE	<input type="text"/>	TOTAL SHARES	<input type="text"/>
TRANSFER FOLIO	<input type="text"/>	DESC	<input type="text"/>
NAME OF THE SH	<input type="text"/>	DESC	<input type="text"/>
FATHERS NAME	<input type="text"/>	OPERATOR DATE	<input type="text"/>
ADDRESS	<input type="text"/>	ENTRY DATE	<input type="text"/>
PINCODE	<input type="text"/>		
OCCUPATION CODE	<input type="text"/>		
STATUS CODE	<input type="text"/>	<input type="button" value="SAVE"/>	<input type="button" value="QUIT"/>
SHARE VALUE	<input type="text"/>		
STAMP AMOUNT	<input type="text"/>		
EXECUTION DATE	<input type="text"/>		