A

PROJECT REPORT

ON

"HOME RENTING MANAGEMENT SYSTEM"

FOR

Arts, Commerce & Science College, Sonai

SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY,PUNE

BY

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Under the Guidance of

Shri. Yogesh Nangare.

IN PARTIAL FULLFILLMENT OF BACHELOR OF COMPUTER APPLICATIONS

FOR THE ACADEMIC YEAR

2018-2019

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ACKNOWLEDGEMENT

At every outset we express my gratitude to almighty lord for showering his grace and blessings upon me to complete this project.

Although our name appears on the cover of this book, many people had contributed in some form or the other form to this project Development. We could not done this project without the assistance or support of each of the following we thank you all.

We wish to place on my record my deep sense of gratitude to my project guide, for his constant motivation and valuable help through the project work. Express my gratitude toDr.Laware S.L.(Principal) and Prof.Yogesh Nangare of Arts, Commerce & Science College, Sonai for her valuable suggestions and advices throughout the B.B.A(CA)course. We also extend my thanks to other faculties for their Cooperation during my Course.

Finally we would like to thank my friends for their cooperation to complete this project.

Miss.Salve Monali Ashok.
Miss.Darandale Rutuja Rajendra.

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DECLARATION

We hereby declare that the project work entitled, "**Home Renting Management System**" submitted under the guidance of **Shri. Yogesh Nangare** is our original work completed under the four walls of our institute.

The Report submitted is our own work and has not been duplicated from any other source. We shall be responsible for any unpleasuremoment/situation.

Miss.Salve Monali Ashok.

Miss.Darandale Rutuja Rajendra.

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Mula Education Society's

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Affiliated to Savitribai Phule Pune University (I.D.PU/AN/ASC/031/1989)
NAAC REACCREDITED 'A' GRADE and ISO 9001 : 2008 CERTIFIED

Date: 22/03/2019

CERTIFICATE

This is to certify that **Miss. Salve Monali Ashok & Miss.Darandale Rutuja Rajendra** arebonafide students of **Arts, Commerce and Science College,Sonai** have successfully completed the Mini project work as prescribed by the Savitribai Phule Pune University,Pune in the partial fulfillment of the requirement of Third Year, Bachelor Of Business Administration (Computer Application).Program for the academic year **2018-2019.**

The Project Work titled as "**Home Renting Management System**"

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Internal Examiner

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INDEX

Sr. No.	Title	Page No.
1.	**INTRODUCTION**	1
1.1	Existing System and need for Proposed System	2
1.2	Scope of the work	3
1.3	Operating Environment-H/W, S/W	4
2.	**Chapter 2: PROPOSED SYSTEM**	5
2.1	Proposed System	5
2.2	Objective of System	5
2.3.1	Fact Finding Techniques	6-7
2.3.2	Feasibility Study	8
3.	**Chapter 3: ANALYSIS AND DESIGN**	9-12
3.1	E-R Diagram	13
3.2	DFD	14-15
4.	**Future enhancements (If Any)**	17
5.	**Conclusion**	17
	User Interface/Input Screens with data and Output Reports with data	

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INTRODUCTION

The system objectives outlined during the feasibility study served as the basis from which the work of system design was initiated. Much of the activities involved at this stage were of technical nature requiring a certain degree of experience in designing systems sound knowledge of computer related technology and through understanding of computers available in the market and the various facilities provided by the vendors .Never the less, a system could not be designed in isolation without the active involvement of the user. The user had a vital role to play at this stage too. Data collected during feasibility study was utilized systematically during the system design. Designing a system is a creative process which calls for logical as well as lateral thinking Logical approach involves systematic moves towards the end product keeping in mind the capabilities of the personnel and the equipment at each design making step. Data collected during feasibility study was utilized systematically during the system design. Designing a system is a creative process which calls for logical as well as lateral thinkingLogical approach involves systematic moves towards the end product keeping in mind the capabilities of the personnel and theequipment at each design making step.

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EXISTING SYSTEM AND NEED FOR PROPOSED SYSTEM

Existing System

Currently the most property managers manage property and tenants details on papers. Once customers finds a vacant house,they can call or email manager of the houses indicating the size of the house they would like rented to them. The property manager can email them back giving them all the details about the house they are requesting. The details
Include:

Rent per month

Deposit paid

Terms and conditions to follow acceptance

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NEED FOR PROPOSED SYSTEM

1. The transactions take place in a secured format between various clients in the network.

2. It provides flexibility to the user to transfer the data through the network very easily by compressing the large amount of file.

3. It should also identify the user and provide the communication according to the prescribed level of security with transfer of the file requested and run the required process at the server if necessary.

4. The important result is to make the work easier, faster and time consuming.

5. Any change in information can be easy done and all files are automatically updated.

6. System security and authorization.

7. The system is user friendly and anyone having computer knowledge can handle it easily.

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SCOPE OF THE WORK

The project scope defines the description of the work that is required in delivering the rental house management system. The following are the scopes of work during the course of the project: Study and understand the requirement of this project Construct Software Requirement Specification document of the system Construct Software Design Document of the system

ADVANTAGES OF WORK

1. The System Which Will allow the user to quickly and easily search a property for rent
2. The register user can upload his property for rent out.
3. The System is design and developed in such way that it tries to overcome all the prescribe problem.
4. The system will give accurate information regarding the property which helps to view all the stuff information directly from anywhere.

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OPERATING ENVIRONMENT-H/W, S/W

1) Minimum Software Requirements:

Software is the collection of programs. For running of the system Software is needed.

- Operating System : Windows XP & above Versions
- Software : Front-end: Netbeans IDE8.1

Database: Oracle 10g

Report: Jasper Report,HTML Report

Documentation: Ms Office

2) Minimum Hardware Requirement:

Physical requirement i.e. Monitor, CPU, Mouse, Printer etc. are called as Hardware requirements.

- RAM : 512 MB
- Hard Disk : Minimum 160 GB
- Printer : Leaser printer
- Keyboard : Standard 102-key Keyboard
- Display type : Standard VGA Monitor.

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PROPOSED SYSTEM

House rent management system in proposed system is used to search the room in particular place in room ,office, paying guest, office also.it is user friendly android the application. House management system is used to search the available location and available the space

Advantages Of Computerization: -

The computerized system is very useful because of following points

1) Economy: -

These systems can analysis the data at the lower cost than the manual system.

2) Speed: -

Computers work at a very high speed.

3) Accuracy: -

Accurate result can achieve. Result of report generation is very accurate.

4) Security: -

As the data stores in magnetic device such as hard disc and floppy disc.

5) Reliability: -

As the data is saved one can add, modify and delete when required. Machine is always reliable the human.

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OBJECTIVES OF SYSTEM

The following are the project objectives:

1. To develop a rental house management system that allows the user to view customers" data as well as houses record".
2. To develop a system that allows the users to add, search data from the database
3. To study and analyze the requirement specifications of the rental house management system
4. To produce the Software Requirement Specification of the system
5. To produce the Software Design Document of the system

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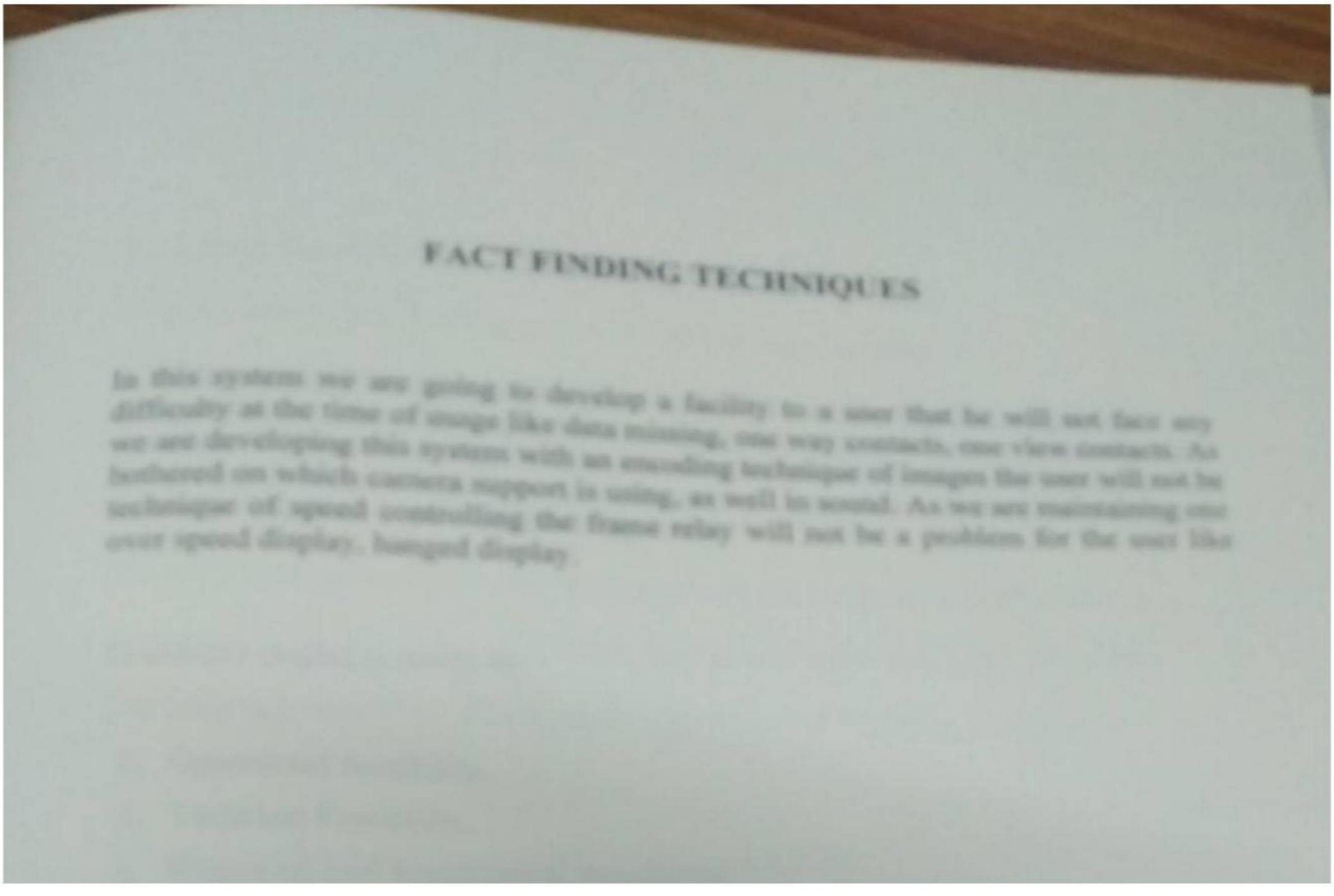
FACT FINDING TECHNIQUES

In this systems we are going to develop a facility to a user that he will not face any difficulty at the time of usage like data missing, one way contacts, one view contacts. As we are developing this systems with an encoding technique of images the user will not be bothered on which camera support is using, as well as sound. As we are maintaining one technique of speed controlling the frame relay will not be a problem for the user like over speed display, hanged display

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FEASIBILITY STUDY

A feasibility study is a high-level capsule version of the entire System analysis and Design Process. The study begins by classifying the problem definition. Feasibility is to determine if it's worth doing. Once an acceptance problem definition has been generated, the analyst develops a logical model of the system. A search for alternatives is analyzed carefully. There are 3 parts in feasibility study.

Feasibility project is justify by: -

1. Operational feasibility.
2. Technical Feasibility.
3. Financial and Economical Feasibility

Operational Feasibility:

Question that going to be asked are

Will the system be used if it developed and implemented.

If there was sufficient support for the project from the management and from the users.

Have the users been involved in planning and development of the

Project.

Will the system produce poorer result in any respect or area?

This system can be implemented in the organization because there is adequate support from management and users. Being developed in Java so that the necessary operations are carried out automatically.

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Technical feasibility

Does the necessary technology exist to do what is been suggested

Does the proposed equipment have the technical capacity for using the new system?

Are there technical guarantees of accuracy, reliability and data security?

The project is developed on Pentium IV with 256 MB RAM.

The environment required in the development of system is any windows platform

The observer pattern along with factory pattern will update the results eventually

The language used in the development is JAVA 1.5 & Windows Environment

Financial and Economical Feasibility

The system developed and installed will be good benefit to the organization. The system will be developed and operated in the existing hardware and software infrastructure. So there is no need of additional hardware and software for the system.

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Data Objects: - A data object of almost any composite information that can be understood by software. Composite information means something that has a different number of different properties or attributes.

A data object can be external entity defines in terms of set of attributes. The data object description incorporates the data object and all its attributes. Data objects are related to one another and encapsulate data only; there is no reference to operation that act on the data

E-R Diagrams: - E-R diagrams can express the overall logical structure of a database graphically. The E-R model is one of the several semantic data model. The semantic aspect of data model lies in attempt to mapping the meaning and interaction of real world enterprises into conceptual scheme.

Data Flow Diagrams: - A DFD is a graphical technique that depicts information flow and transforms the data that moves from input to output. The DFD is also known as Data Flow Graf or Bubble Chart.

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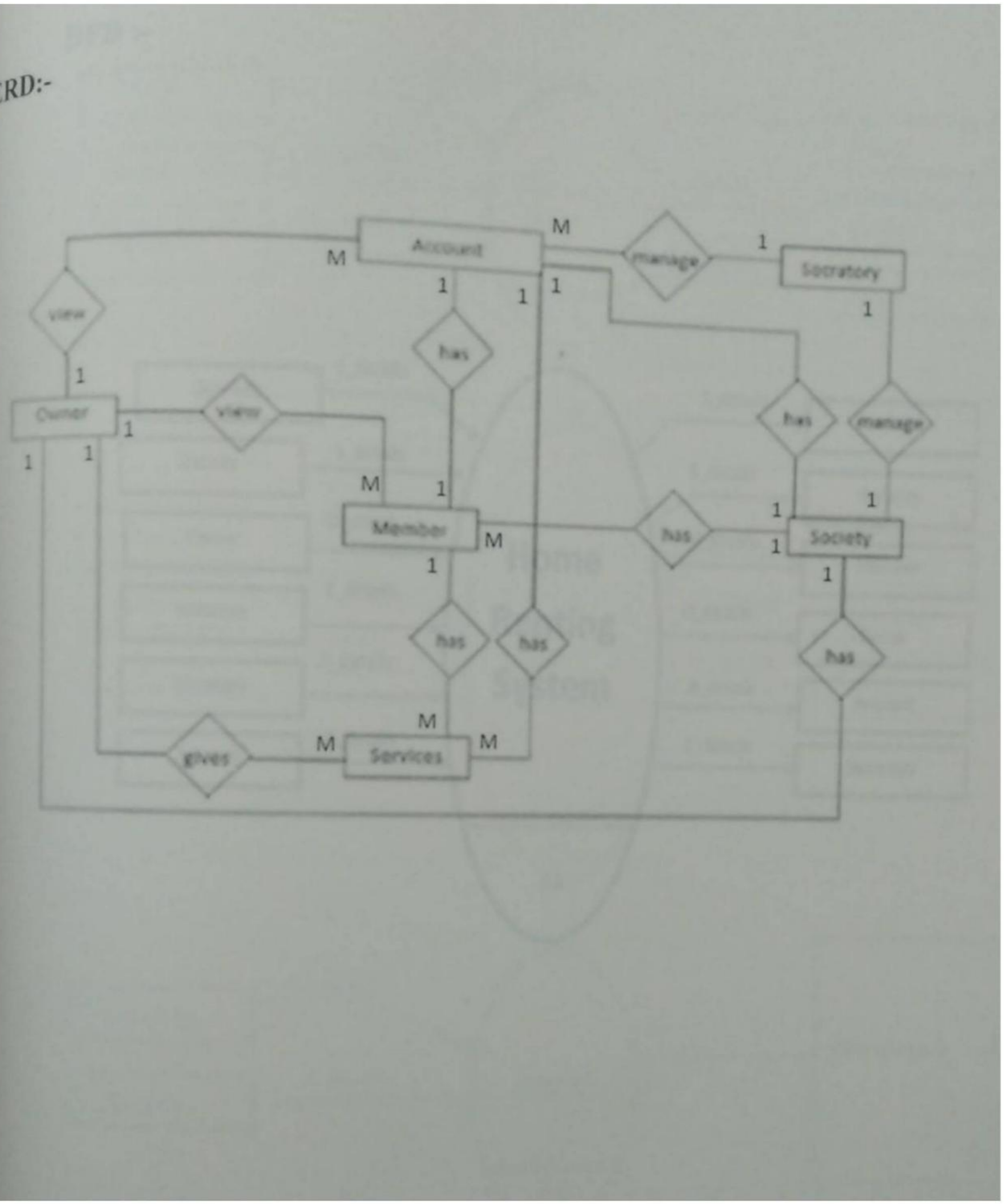
ERD:-



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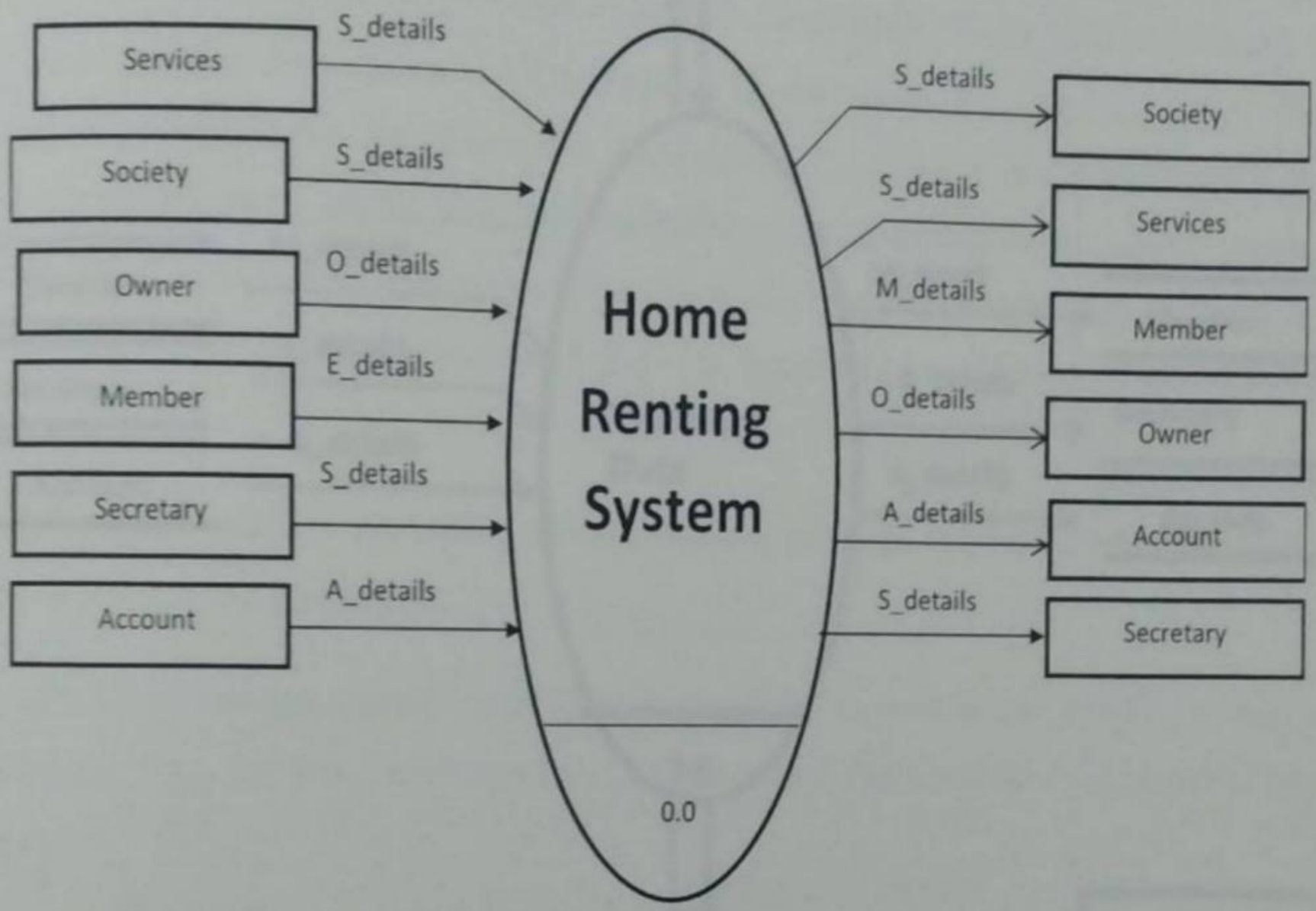
DFD :-



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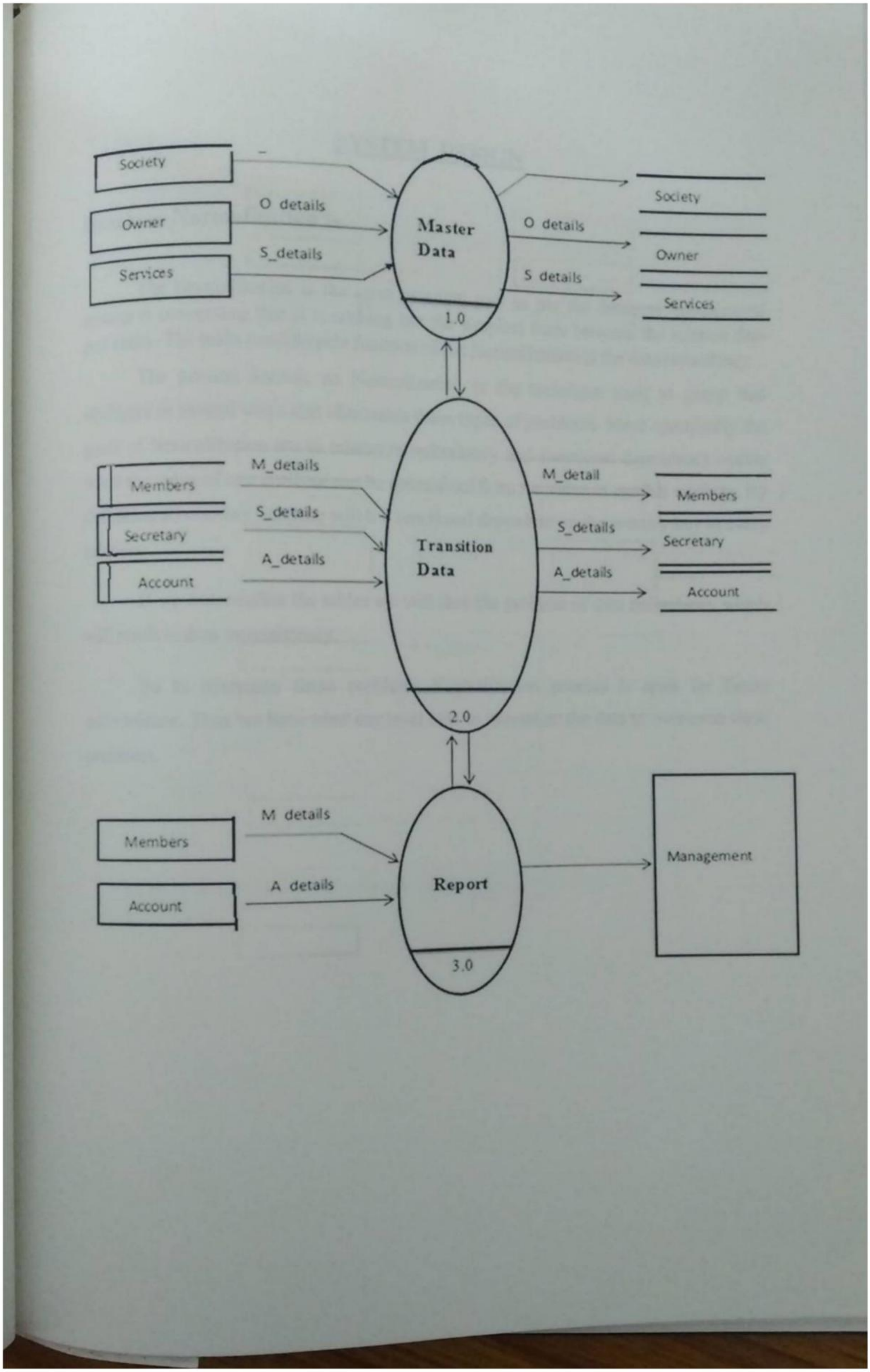

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SYSTEM DESIGN

Database Normalization :-

The Normalization is the most essential part as per the database management system is concerning that it is nothing but the simplest form between the relation data and entity. The main considerable function of the Normalization is the data redundancy.

The process known, as Normalization is the technique used to group that attributes in several ways that eliminates these types of problems. More specifically the goals of Normalization are to minimize redundancy and functional dependency occurs when the value of one attribute can be determined from the value of another attribute. By definition all non-key attribute will b e functional dependent on the primary key in every relation.

If we denormalise the tables we will face the problem of data redundancy which will result in data inconsistency.

So to overcome these problems Normalization process is must for future convenience. Thus we have tried our level best to normalize the data to overcome these problems.

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Table Design: -

This module is consisting the different tables that are being utilized by the system. All the tables are normalized up to third normal form. Their requirements of all the users sure taken into consider deciding the actual data that needs to be stored in the system. While designing the database records for the system proper care has been taken for not allowing the duplicate records and unnecessary redundancy of data.

1] **Table Name**:-OWNER

FIELDS	Type	Constraints
OID	Number	Primary Key
ONAME	Varchar2	-
OADD	Varchar2	-
OMBNO	Varchar2	-
OFFICENO	Varchar2	-
EMAIL	Varchar2	-

This table is used for storing information about the Owner Detail

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2| Table Name:- MEMBERREG

FIELDS	TYPE	Constraints
MID	Number	Primary Key
MNAME	Varchar2	
GENDER	Varchar2	
PROFESSION	Varchar2	
MADD	Varchar2	
CNO	Number	
EMAIL	Varchar2	
NOOFPERSON	Number	
DURATION	Varvhar2	
ADHAR	Varchar2	
LICENCE	Varchar2	
STAMP	Varchar2	

This table is used for storing information about the Member Reg Table

3] Table Name:-HOUSEALLOCATOR

FIELDS	TYPE	Constraints
ID	NUMBER	Primary Key
MNAME	Varchar2	
HOUSENO	Number	
HTYPE	Varchar2	
FLOOR	Number	
RENT	Number	
DEPOSIT	Number	
PAID	Number	
REMAIN	Number	

This table is used for storing information about the HouseAllocator Table

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4| **Table Name**:- SOCIETY

FIELDS	Type	Constraints
REGNO	Number	PRIMARY KEY
SNAME	Date	-
HTYPE	Varchar2	-
NOFIXING	Number	-
FLOOR	Number	-
ROOMAMT	Number	-

This table is used for storing information about the Society detail.

5| **Table Name**:-EMPLOYEE

FEILD	TYPE	Constraints
EMPID	Number	PAIMARY KEY
ENAME	Varchar2	-
GENDER	Varchar2	-
DESIGN	Varchar2	-
ADD	Varchar2	-
CNO	Number	-
JDATE	Varchar2	-
PAYROLL	Varchar2	-
BNAME	Varchar2	-
ACNO	Varchar2	-
IFSC	Varchar2	-
BRANCH	Varchar2	-

This table is used for storing information about the Employee Table.

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6] **Table Name**:-COMPLAINT

FIELDS	TYPE	Constraints
CID	Number	PRIMARY KEY
CABOUT	Varchar2	-
DESC	Varchar2	-

This table is used for storing information about the Complaint Info

7] **Table Name**:-ACCOUNTDETAILS

FIELDS	TYPE	Constraints
AID	Number	PRIMARY KEY
DATE	Varchar2	-
TIME	Varchar2	-
MNAME	Varchar2	-
CNO	Number	-
HNO	Number	-
HTYPE	Varchar2	-
FLOOR	Number	-
RENT	Number	-

This table is used for storing information about the Account Details Table.

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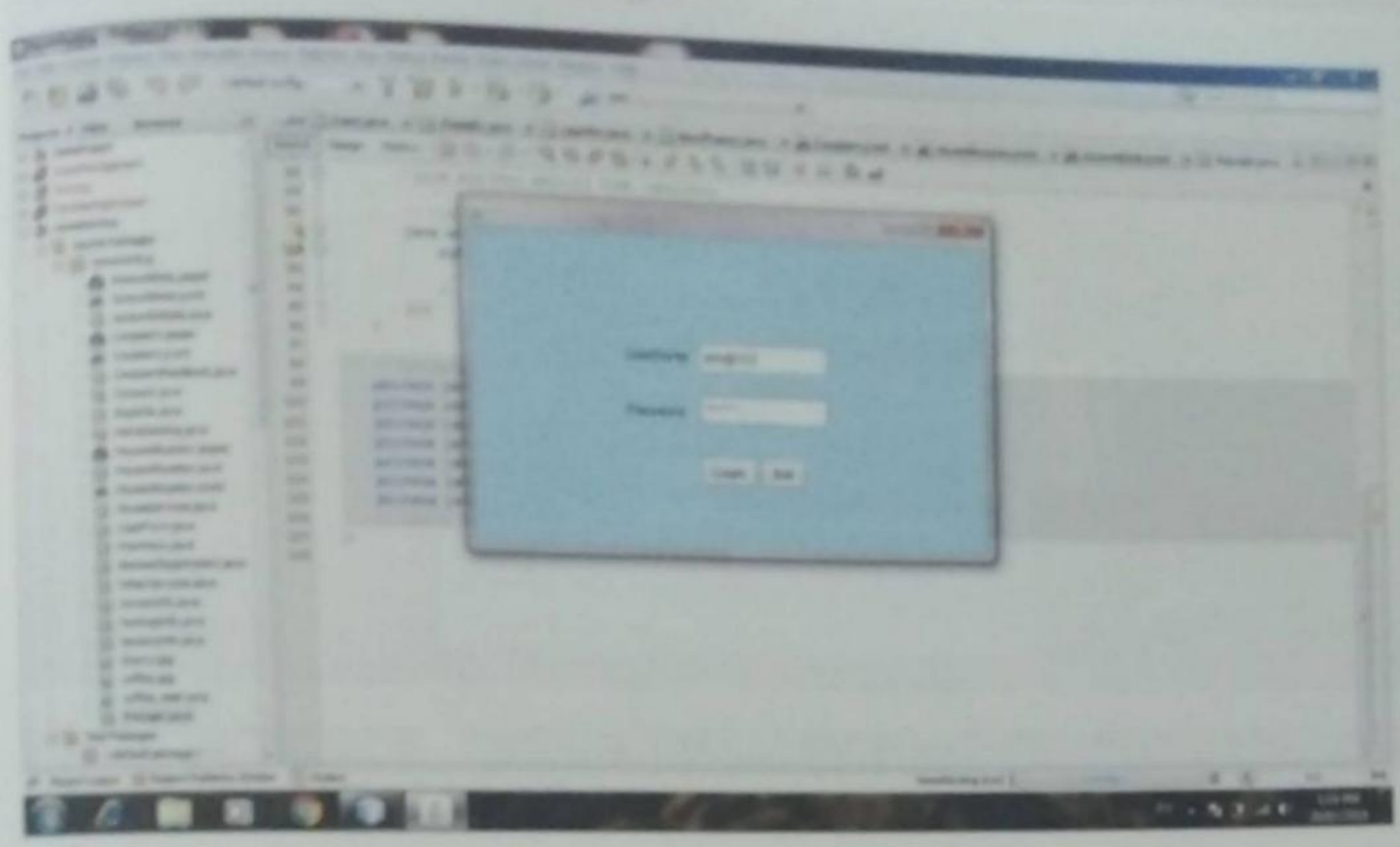
Output Screens

Login



Main Menu

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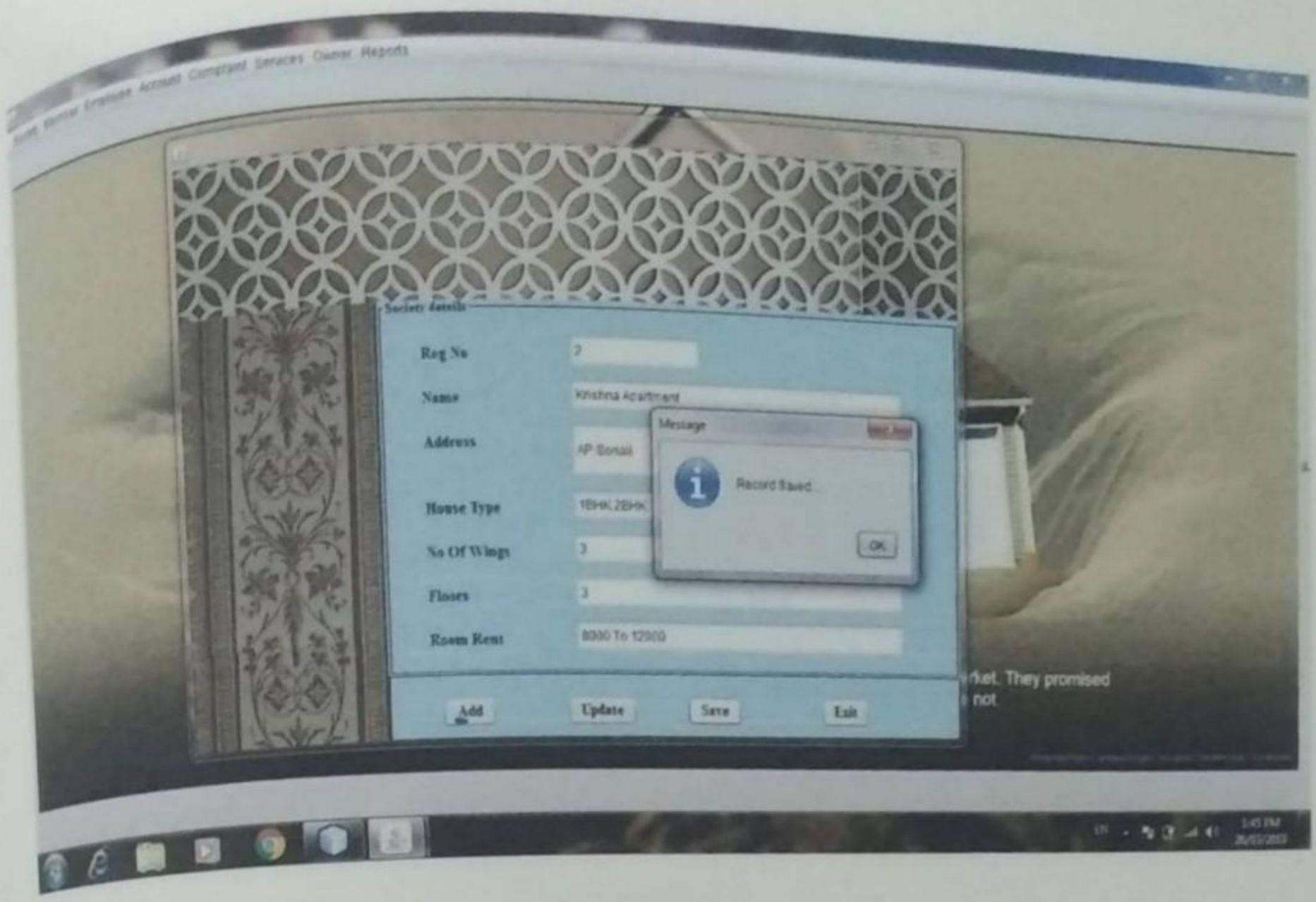
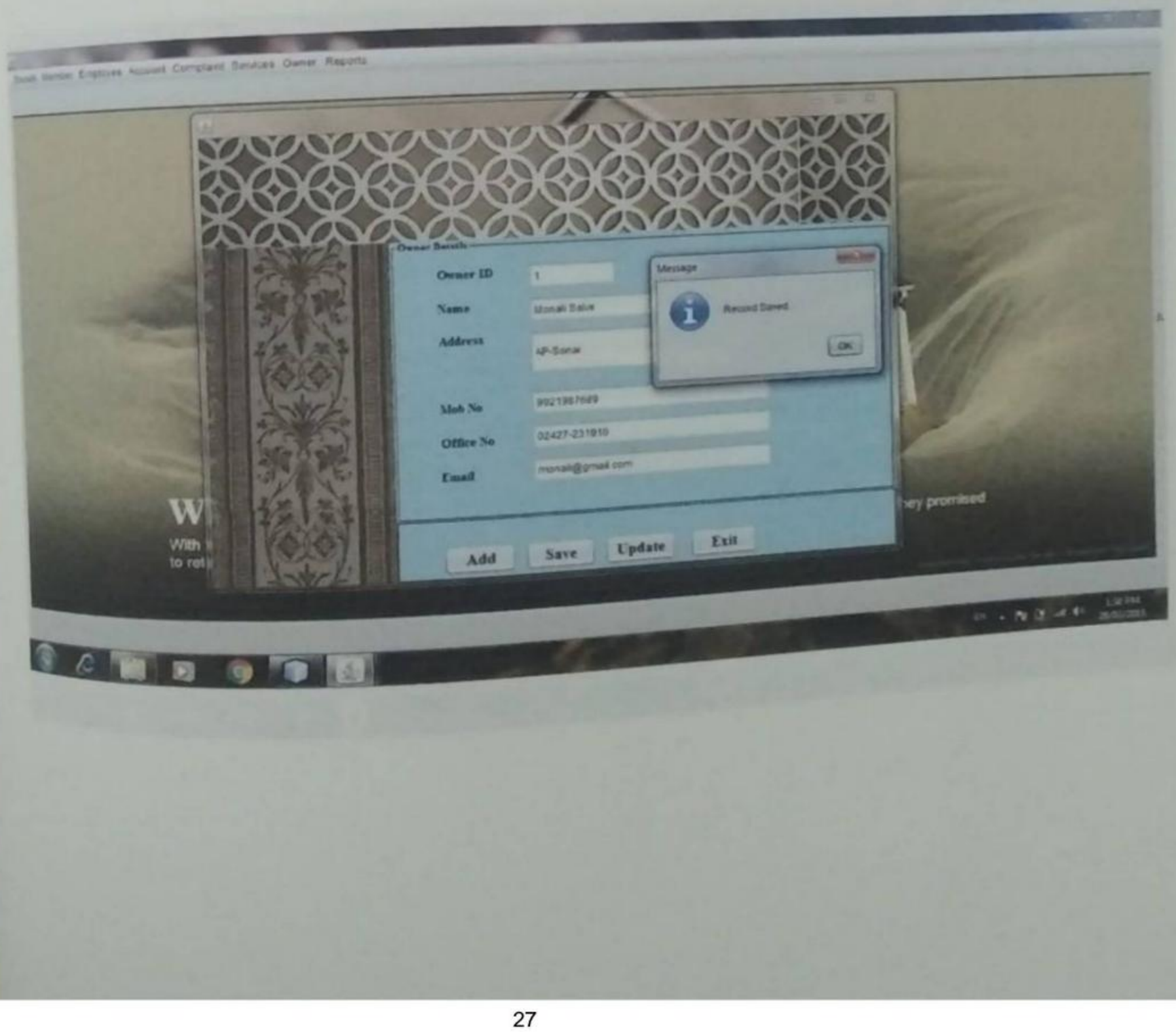
Society Information



Owner Information



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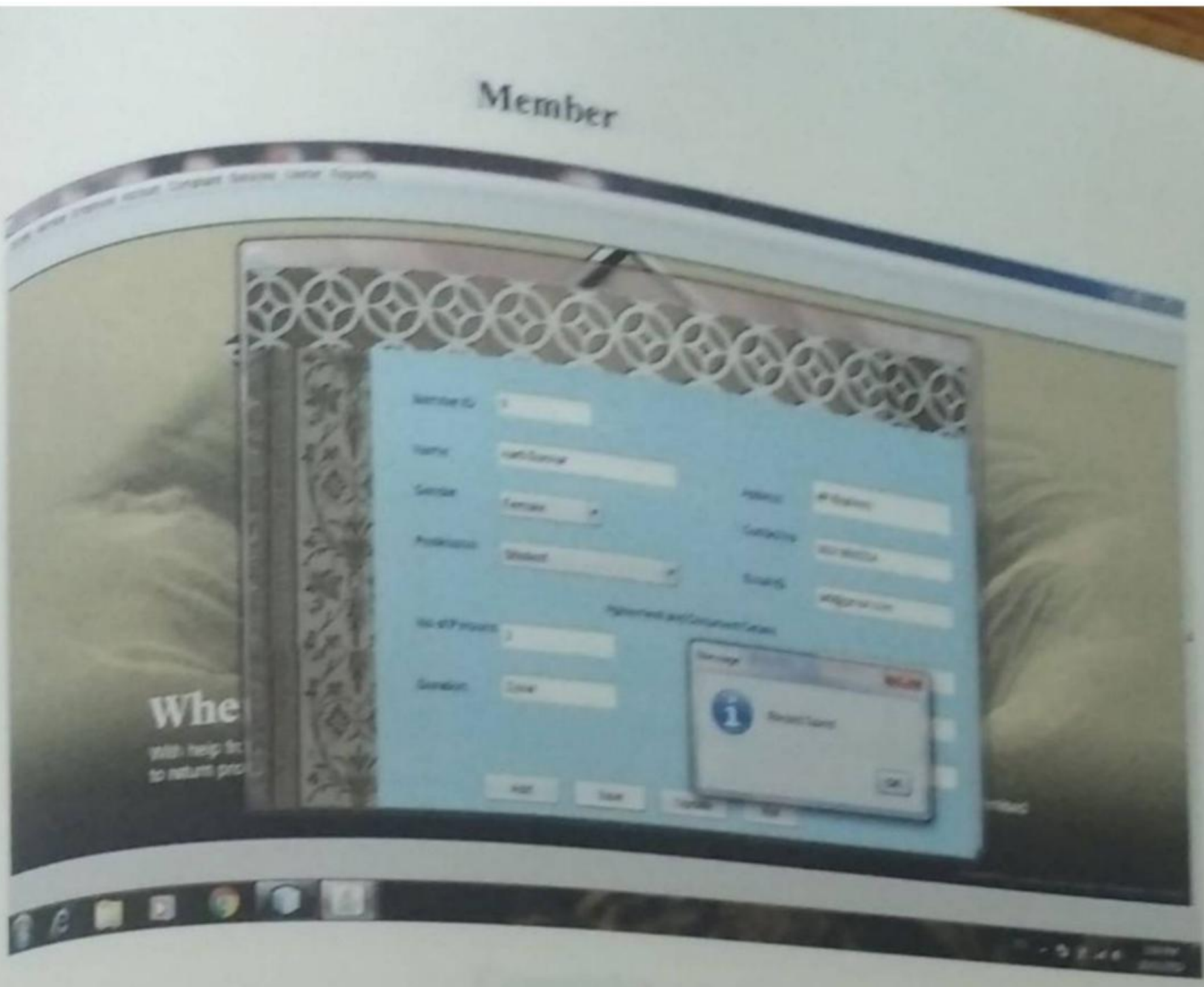
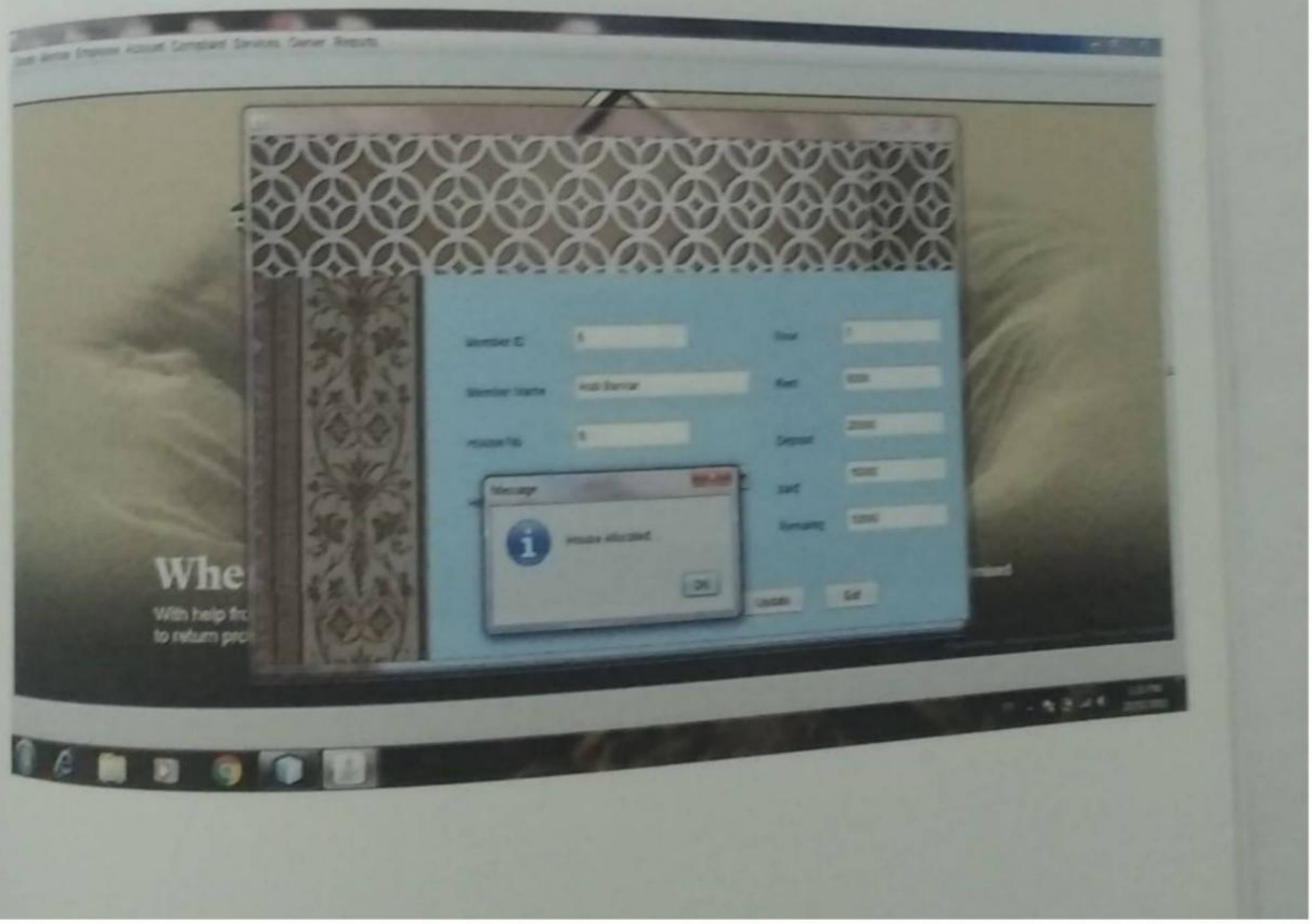
Member



House Allocation



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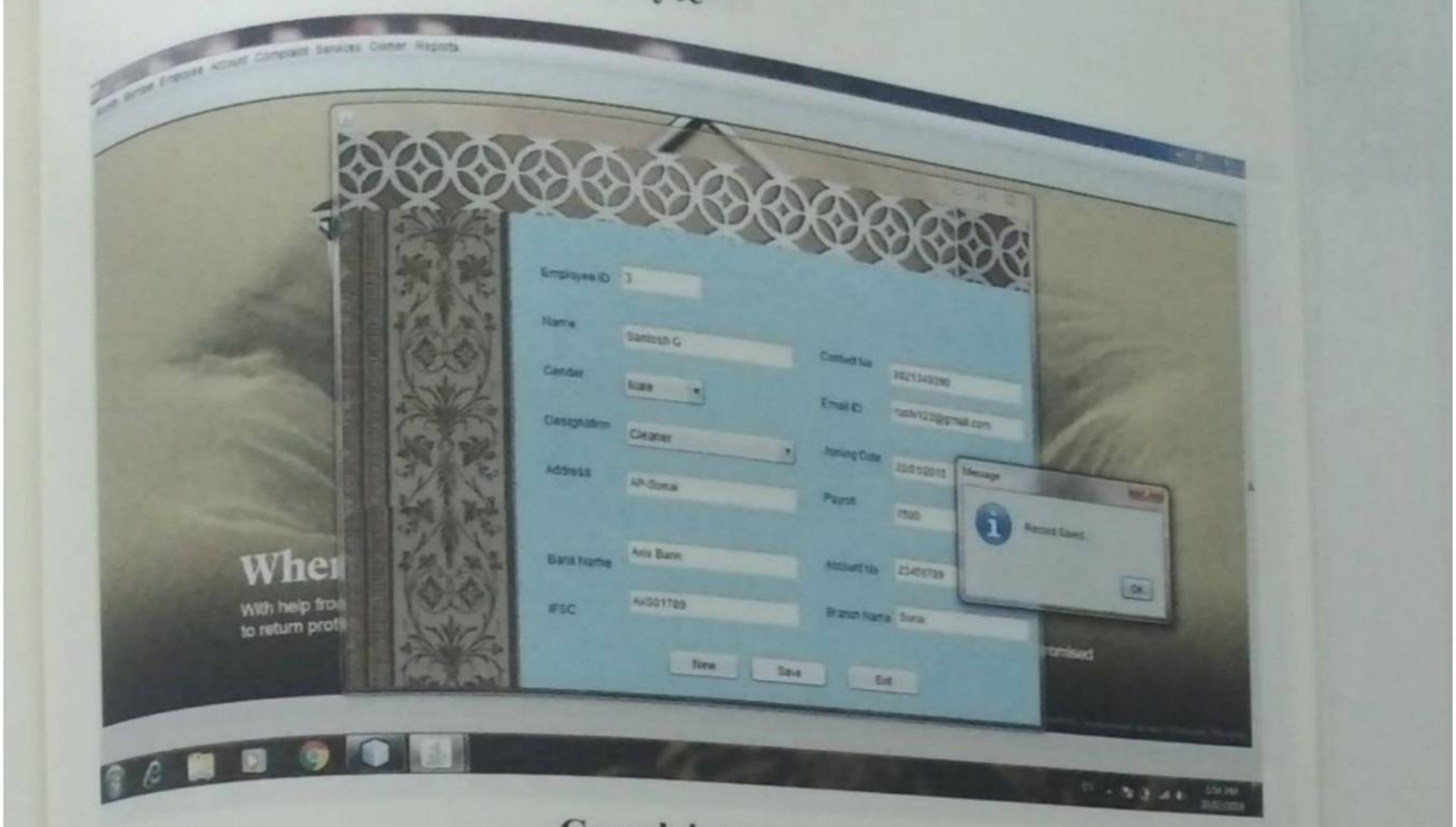
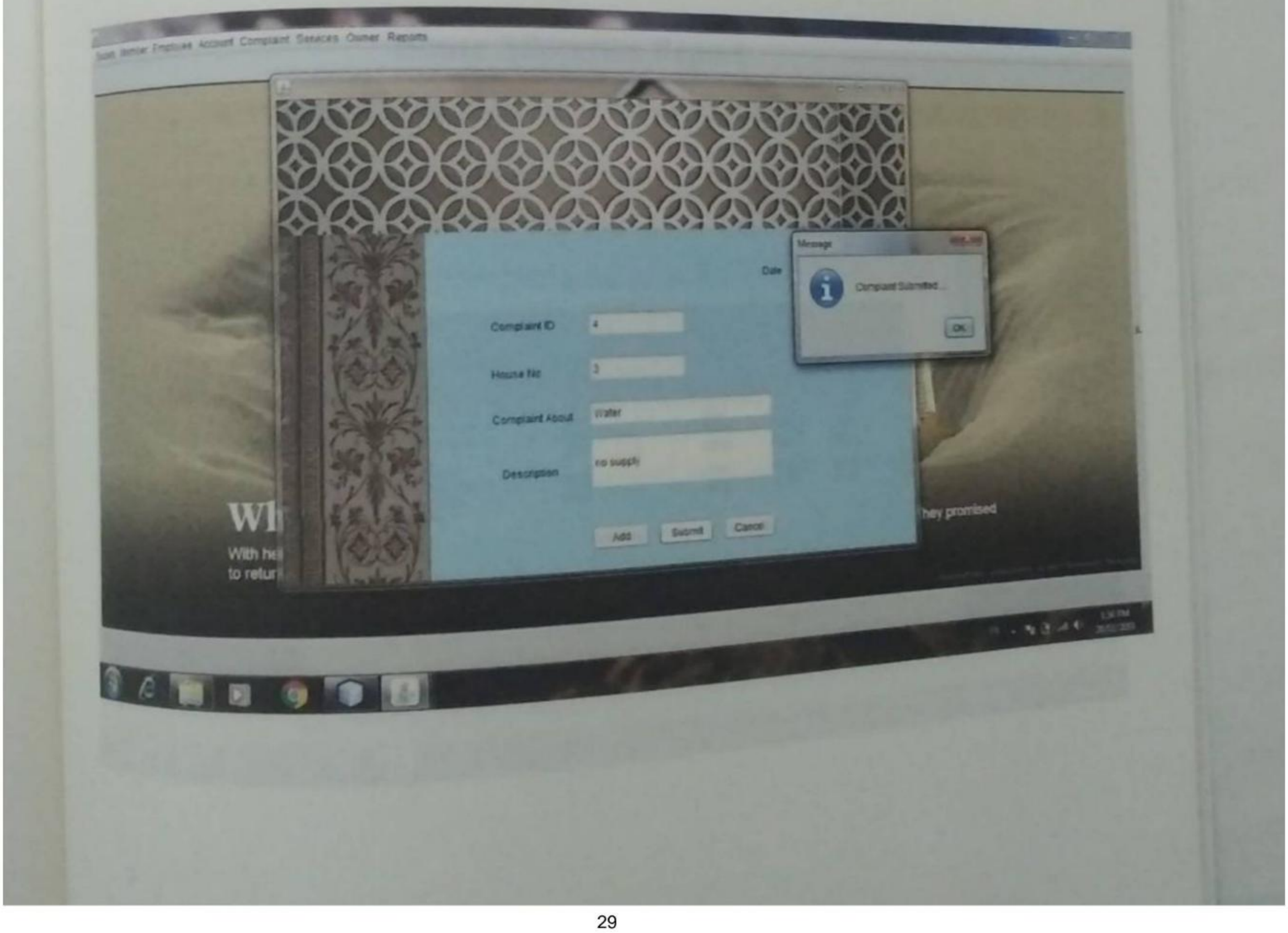
Employee



Complaint



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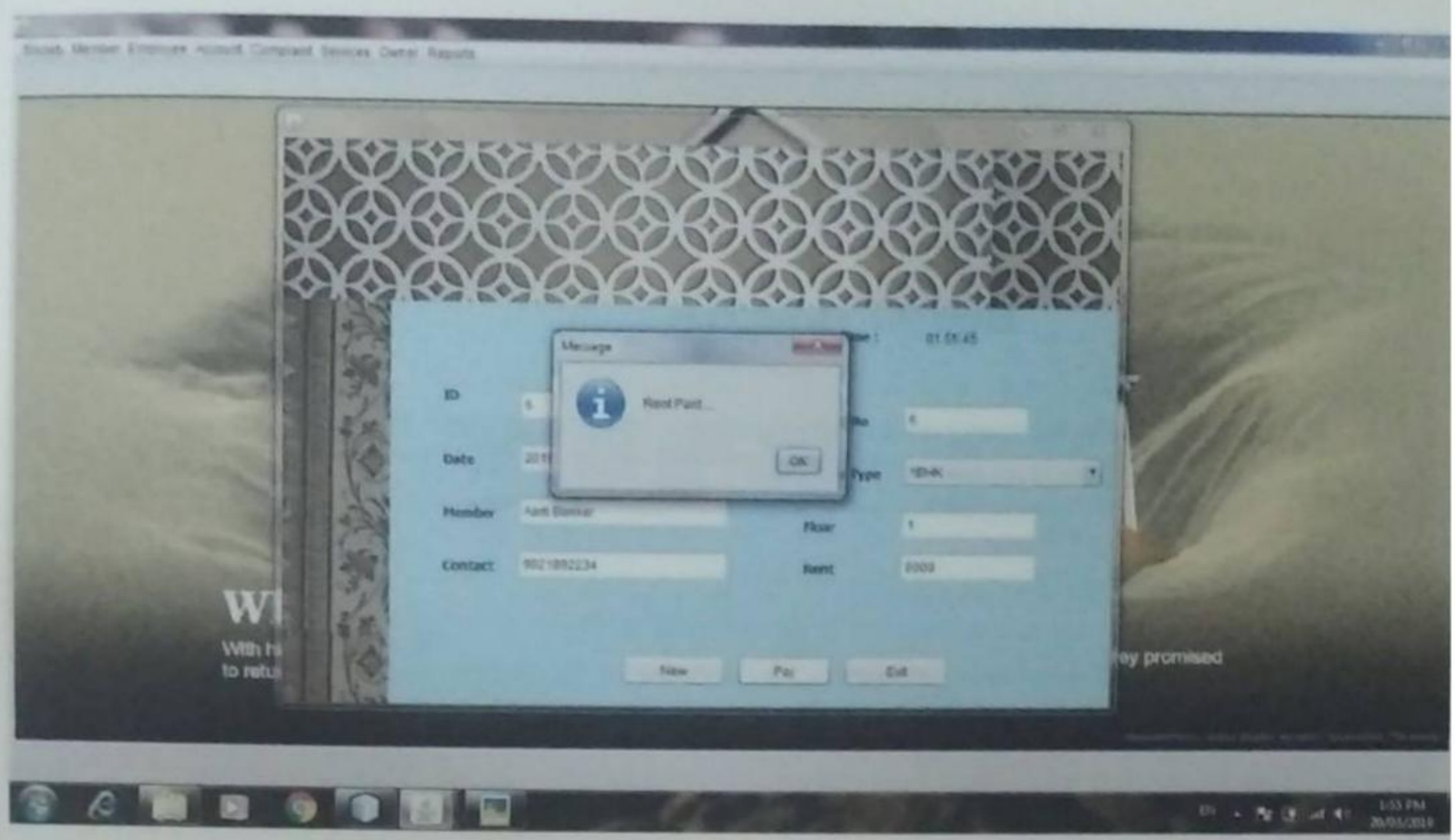
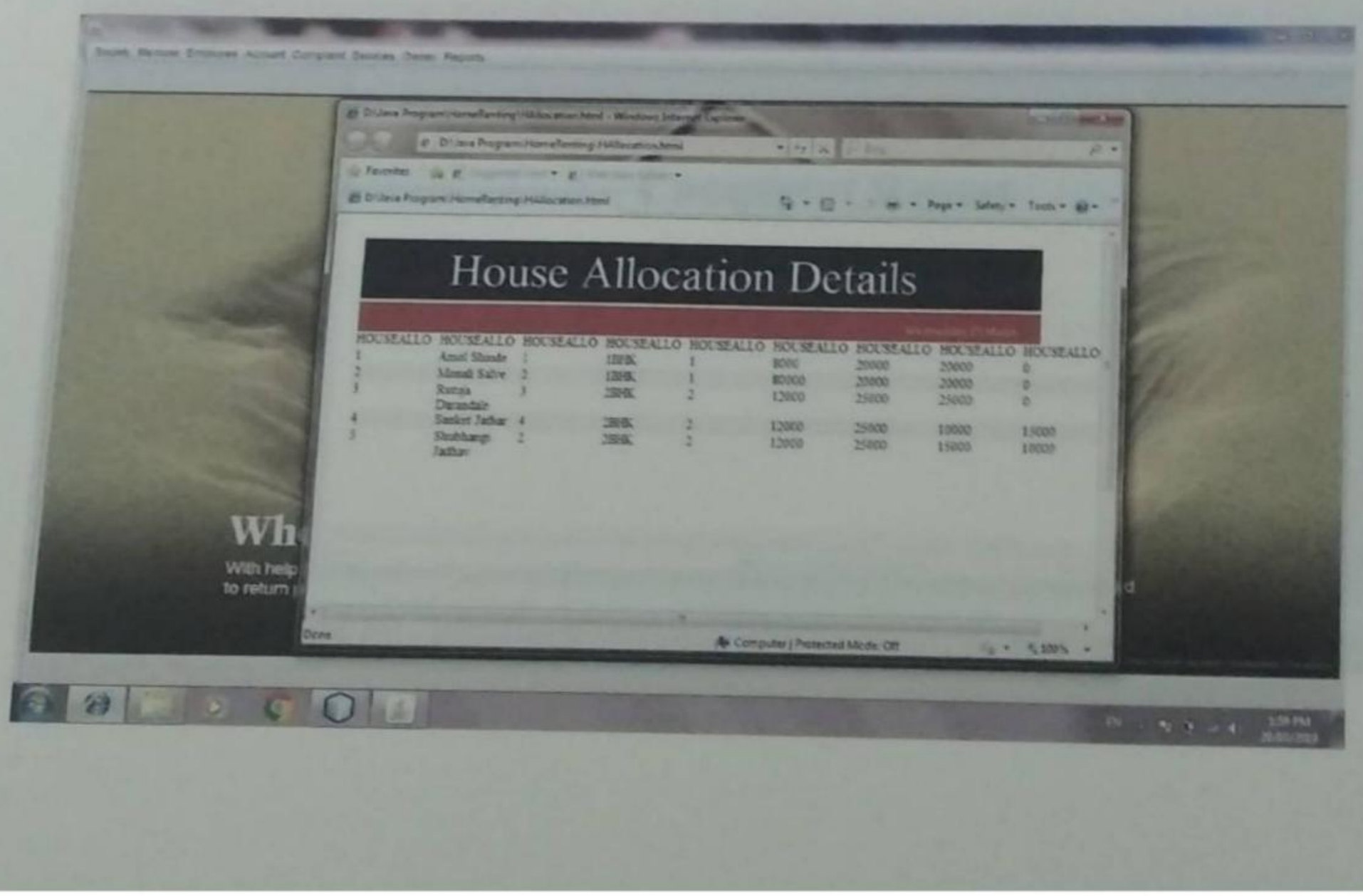
Account Details



Reports

House Allocation Report



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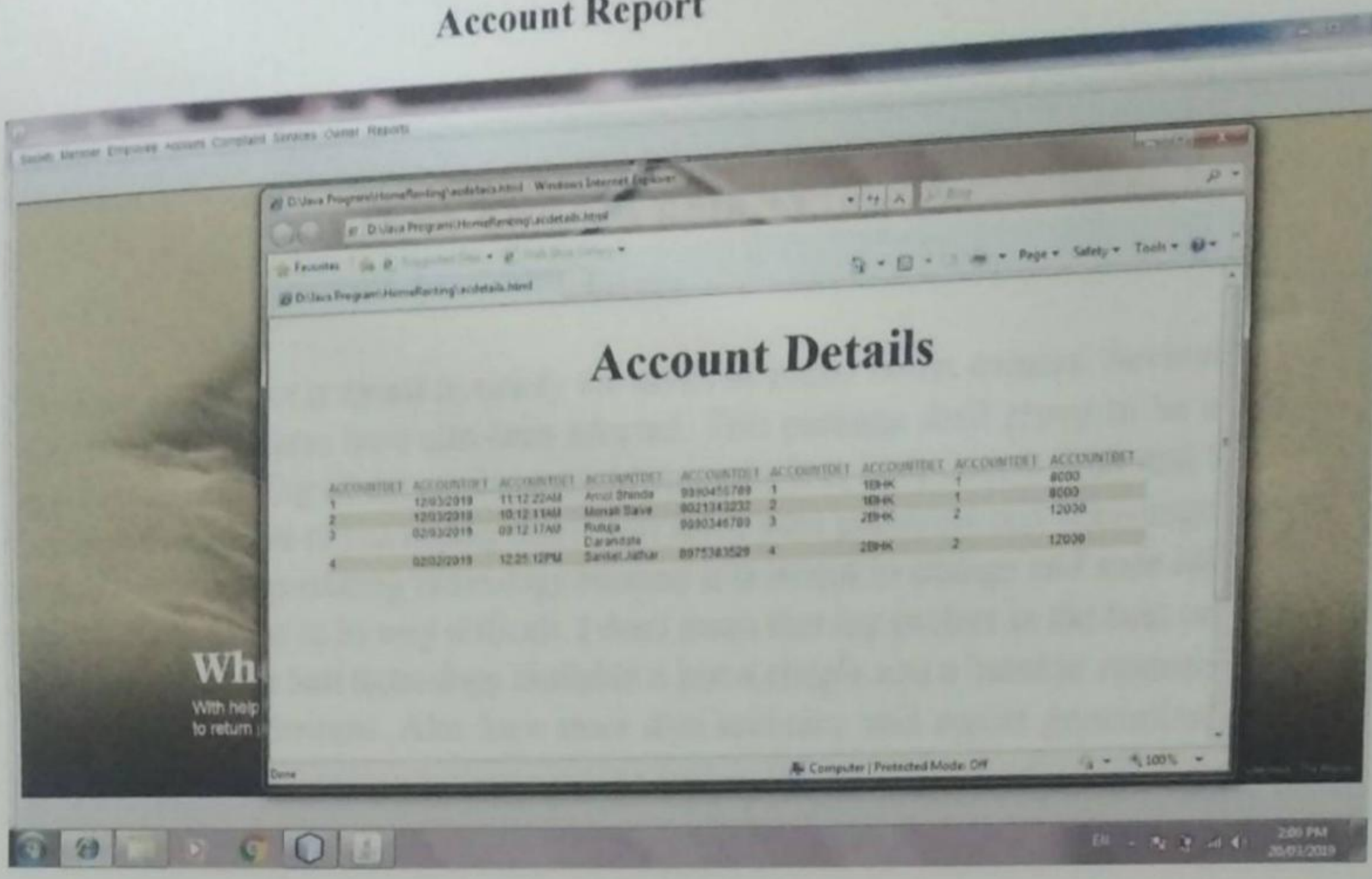
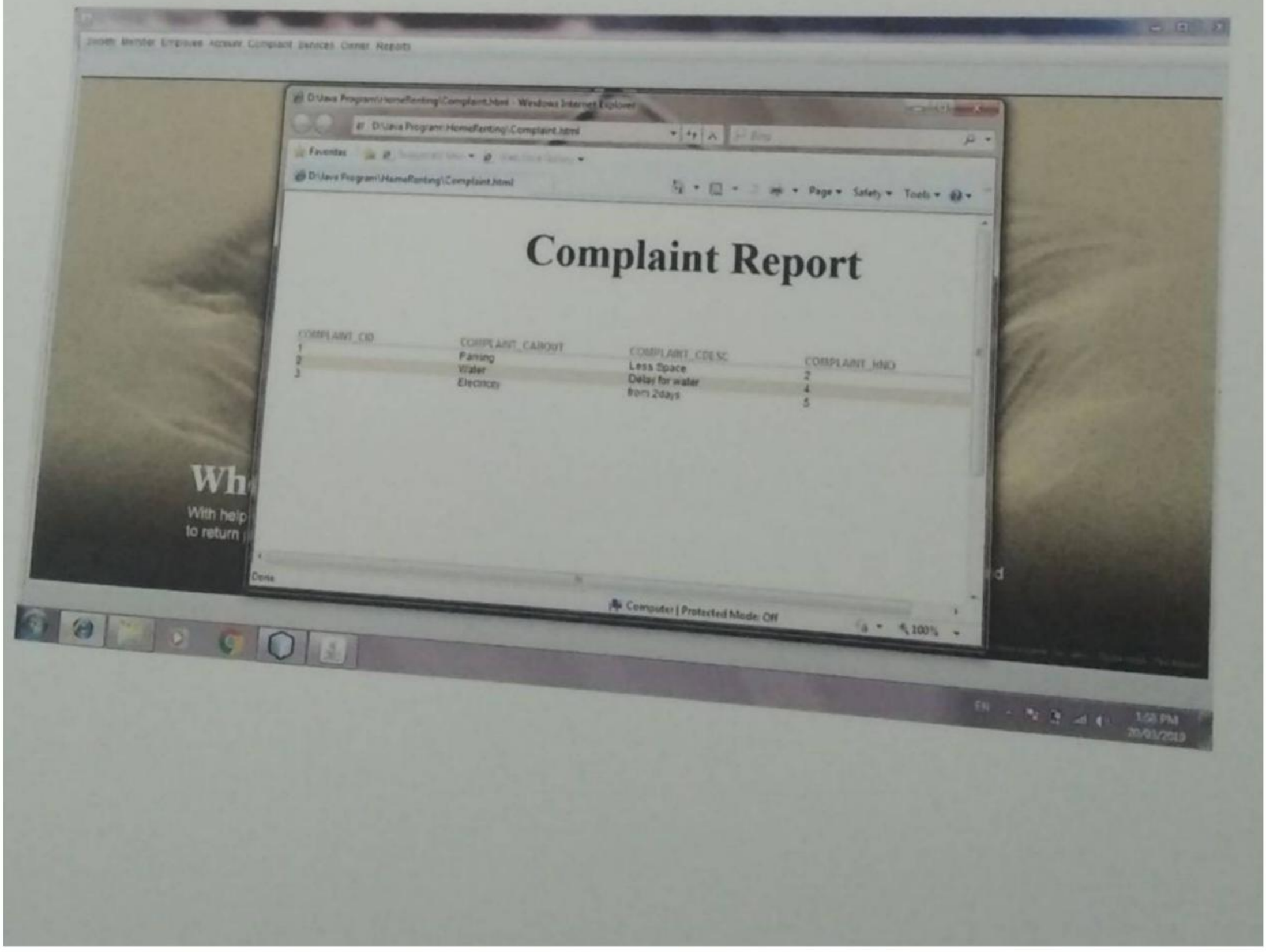
Account Report



Complaint Report



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FUTURE ENHANCEMENT

In future our project is meant to satisfy the needs of rental house owners. Several user friendly interfaces have also been adopted. This package shall prove to be a powerful in satisfying all the requirements of the users It is with utmost faith that I present this software to you hoping that it will solve your problems and encourage you to continue appreciating technology because it is meant to change and ease all our work that seems to be very difficult. I don't mean that my project is the best or that I have used the best technology available it just a simple and a humble venture that is easy to understand .Also have more data accuracy and report generation make easier.

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CONCLUSION

In conclusion, the software can be used as an inventory system to provide a frame work that enables the mangers to make reasonable transactions made within a limited time frame. Each transaction made on the system go hand in hand with the data being updated in the database .

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