Gebze Technical University
Computer Engineering

CSE 414 - 2020 Spring

HOMEWORK 2 (PROJECT)
REPORT

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1. USER REQUIREMENTS

Introduction

My company have stationery departments. My company main purpose is a stationery management software where admin can add/view/delete tenant and stationer .Tenant can add/view books, issue, view issued books, selling and return books. Stationer can add/view products, update price and sell products. Company Provides product sale and refund book transaction.

Users of the System

1. Admin
2. Tenant
3. Seller

Functional Requirements

1. Admin

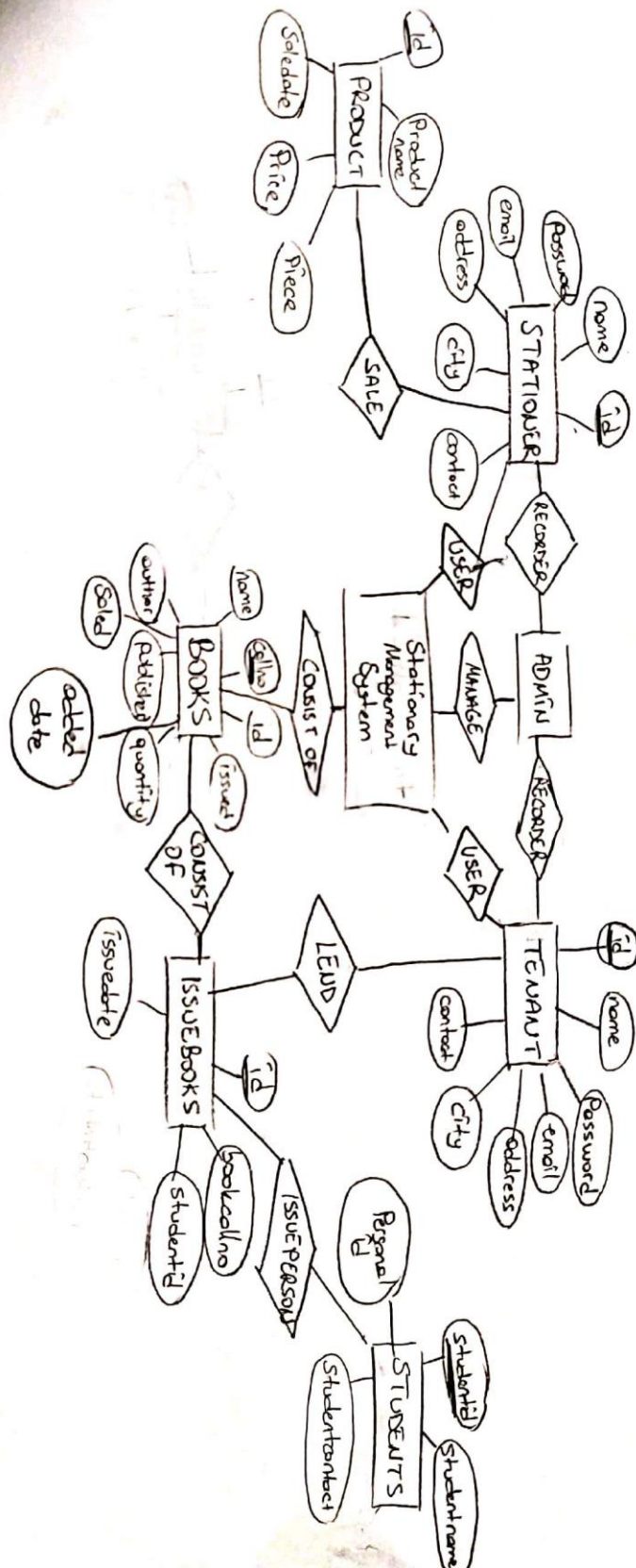1. Can add/view/delete tenant and stationer
2. Can logout

2. Tenant

1. Can add/view books
2. Can issue books
3. View issued books
4. Return Books
5. Can logout

3. Stationer

1. Can add/view products
2. Can sell products
3. View selled products
4. Price can update
5. Can logout

2. E-R DIAGRAM OF THE COMPANY

Stationary Management System
E-R Diagram

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3. DO NORMALIZATION

For normalization, I keep book information in books table and use another tables to keep book accessible id. I prevented data pollution.

4. LIST THE FUNCTIONAL DEPENDENCIES

Stationer :

1. name, password->id, email, address, city, contact
2. Id-> name, password, email, address, city, contact

Tenant :

1. name, password->id, email, address, city, contact
2. Id-> name, password, email, address, city, contact

Product :

1. id -> productname, saledate, price , piece

Books :

1. callno -> name, id, issued, quantity, added, date, published, saled, author
2. id -> name, callno, issued, quantity, added, date, published, saled, author

IssueBooks :

1. bookcallno -> id, studentid, studentid, issuedate

Students :

1. personalid -> studentid, studentname, studentcontact
2. studentid ->personalid, studentname, studentcontact

5. LIST YOUR TABLES

	STATIONUSER	
Column	DataType	Size
id	int	
name	varchar	100
password	varchar	100
email	varchar	100
address	varchar	100
city	varchar	100
contact	varchar	20

TABLE 1 :

Hold the station user info's. When sign in the program, check the name and password are match. This user sell the book.

TENANT

Column	DataType	Size
id	int	
name	varchar	100
password	varchar	100
email	varchar	100
address	varchar	100
city	varchar	100
contact	varchar	20

TABLE 2:
Hold the tenant user info's. When sign in the program, check the name and password are match. This user lead the book.

PRODUCT

Column	DataType	Size
id	int	
productname	varchar	100
price	int	
piece	int	
saledate	varchar	20

TABLE 3:

Information of products to be sold is kept in table.

ISSUEBOOKS

Column	DataType	Size
id	int	
bookcallno	int	
studentid	int	
issuedate	varchar	100

TABLE 4:

Information of books to be issue is kept in table.

STUDENTS

Column	DataType	Size
personalid	int	
studentid	int	
studentname	varchar	100
studentcontact	varchar	100

TABLE 5:
Information about the students whose books are rented is kept.

BOOKS

Column	DataType	Size
callno	int	
name	varchar	100
id	int	
issued	int	
quantity	varchar	
addeddate	varchar	20
published	varchar	100
saled	int	
author	varchar	100

TABLE 6:
Information about books which saled and rent books.

PROCESSLOGTABLE

Column	DataType	Size
UserType	char	2
Message	varchar	100
Date	varchar	20

TABLE 7 :
For log table keeps the message all process with trigger method in table.