PROJECT REPORT

TOPIC : SECOND HAND BOOKS INVENTORY

PROBLEM STATEMENT :

Engineering students need lots of new books every semester. It is not possible for every student to be able to buy brand new books every semester. So students often buy second hand books from their seniors and sell them to their juniors after the semester ends. As of now there is no system in place to ensure that these transactions go smoothly. Thus, we thought of a way through which we could bridge this gap between them.

SOLUTION :

We have created a platform which serves to connect the buyers and sellers of second hand books.

FEATURES :

1. User authentication.(register / login)
2. The books the user has put up for sale can be viewed.
3. The books the user has bought can be viewed.
4. Books can be bought branch and semester wise.
5. Books can be put up for sale by the user.
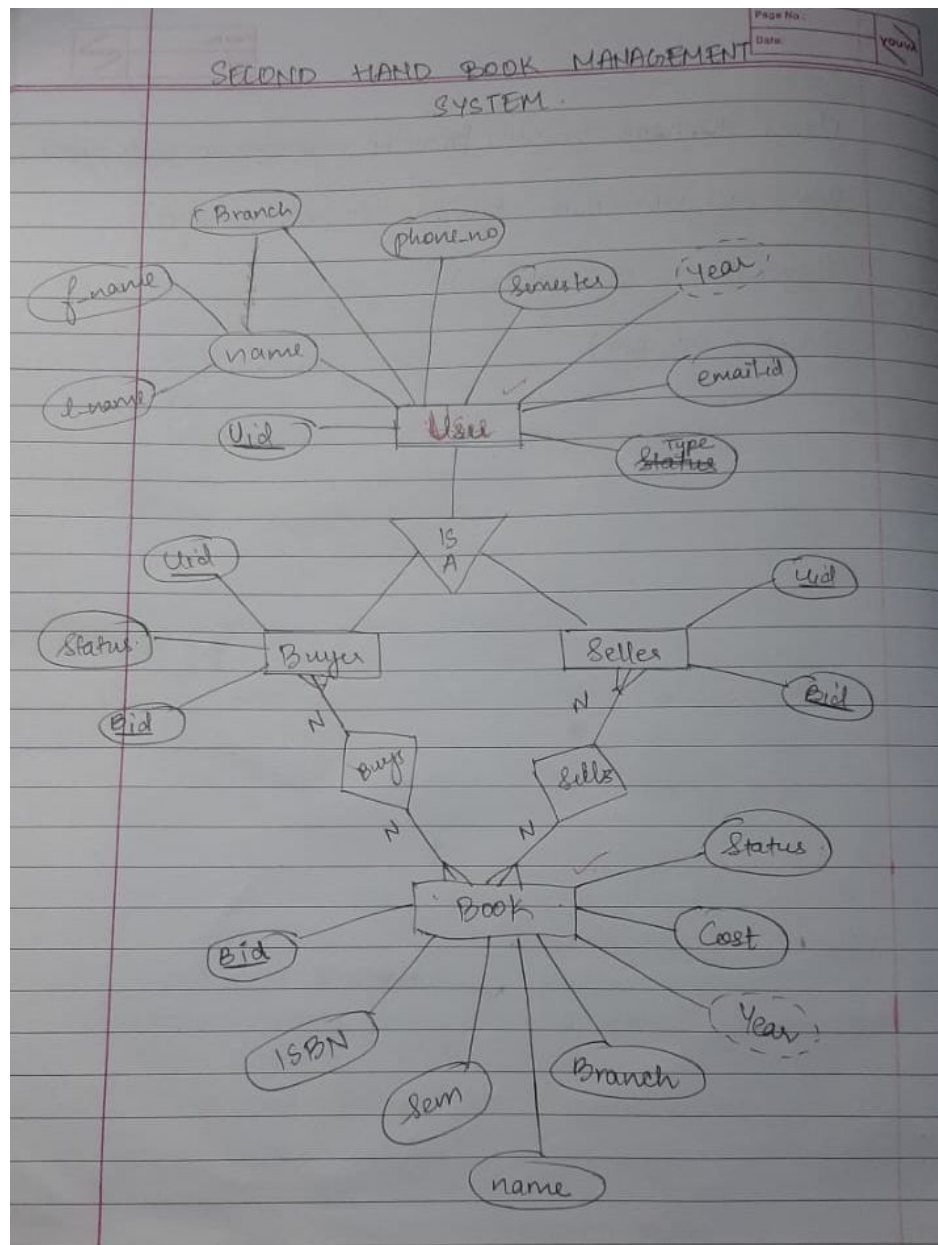6. Books available for sale by all users can be viewed in the inventory.

TECHNOLOGY USED :
Database: MySQL
Code: Python
GUI: Python GUI library Tkinter
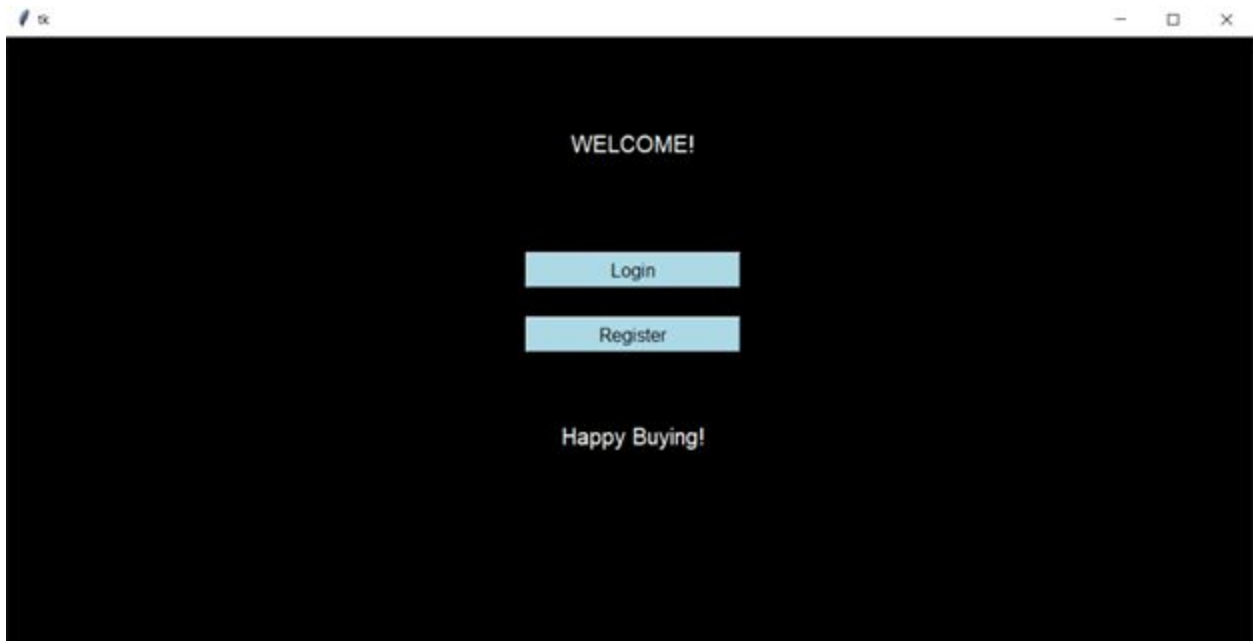
EXTENDED ENTITY RELATIONSHIP MODEL :

Second Hand Book Management System — ER Diagram

SCHEME DIAGRAM :

Users(id, email, username, password, phone, branch, sem)
Books(bid, name, branch, semester, cost, status, user_id, buyer_id)

SNAPSHOTS :

Welcome page

Register page

User registration successful

Back

Please enter the details below :

Username: neha

Password:

Log In

Login page

You are logged in as: Neha

Your books on sale

Name	Branch	Semester	Cost	Bid
os_essentials	comps	4	1100	14
gre_prep	extc	8	1500	15
gate_prep	etrx	6	2100	16
mba_prep	etrx	7	3000	17

Books you bought

Name	Branch	Semester	Cost	Bid
kumbhojkar	etrx	7	2000	9
hangman	extc	3	1000	10
physics_techmax	it	1	1400	13

Want to Buy ?

Want to Sell ?

Log Out

Home Page

Back

You are logged in as: Neha

Please select the book you want to buy from the following books

Name	Branch	Semester	Cost	Bid
coreman	comps	2	1800	11
chem_techmax	it	1	1300	12

Buy

Back

You are logged in as: Neha

Please select the book you want to buy from the following books

Name	Branch	Semester	Cost	Bid
coreman	comps	2	1800	11
chem_techmax	it	1	1300	12

Confirmation

Are you sure you want to buy this book

Yes   No

You are logged in as: Neha

Back

Name   Techmax

Branch comps

Semester   4

Cost   1800

Sell

You are logged in as: Neha
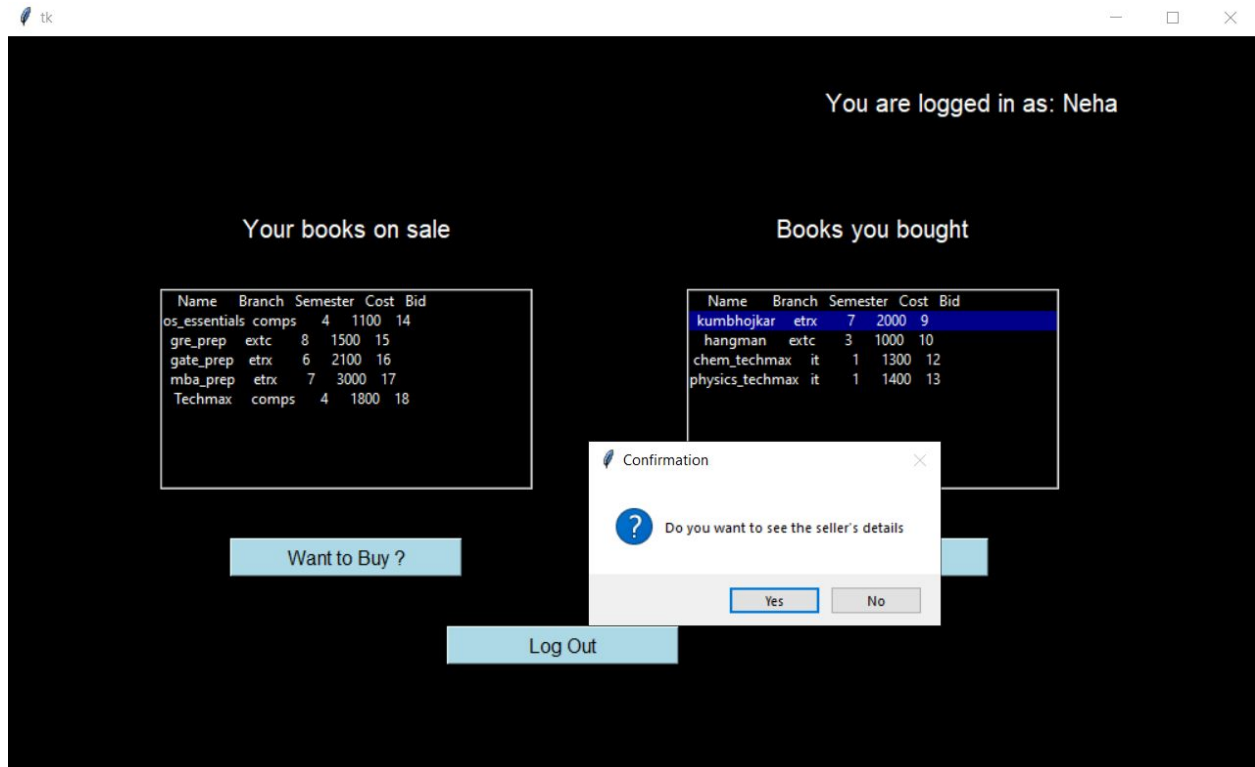
Back

Name   Techmax

Branch comps

Semester   4

Cost   1800

book Status

Book added to the list!

OK

On double clicking a book, the seller details can be seen as follows

CONCLUSION :

By providing this platform, we used our skills and the available technology to help the student community connect despite a difference in age.

We also got a chance to explore a new python GUI library.

We successfully managed to connect it to MySQL for maintaining the database.

PROJECT IMPLEMENTED BY:

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