

A Database Mini Project Report
On
“Past2Present –
A Platform for Campus
Stationery Handover”

Submitted to the
Savitribai Phule Pune University
In partial fulfillment of the award of the Degree of
Bachelor of Engineering
in
Information Technology
By

Kanchan Khemnar (23147)
Shruti Mone (23155)
Soham Phadke (23164)
Pawan Poojary (23166)
Pranav Kulkarni (23167)
(SE-9)

Under the guidance of
Dr. Hrishikesh Joshi



Department of Information Technology
Pune Institute of Computer Technology College of Engineering
Sr. No 27, Pune-Satara Road, Dhankawadi, Pune - 411 043.

2023-2024



CERTIFICATE

This is to certify that the mini project report entitled “**Past2Present**” being submitted by **Kanchan Khemnar (23147)**, **Shruti Mone (23155)**, **Soham Phadke (23164)**, **Pawan Poojary (21366)**, **Pranav Kulkarni (23167)** is a record of bonafide work carried out by them under the supervision and guidance of **Dr. Hrishikesh Joshi** in partial fulfillment of the requirement for **SE (Information Technology Engineering) – 2019 course** of Savitribai Phule Pune University, Pune in the academic year 2023-2024.

Date: 22-04-2024

Place: Pune

Guide
Dr. Hrishikesh Joshi

Subject Coordinator
Mrs. S A Jakhete

Head Of Department
Dr. A. S. Gotkar

Principal
Dr.S. T. Gandhe

This Project Based Seminar report has been examined by us as per the Savitribai Phule Pune University, Pune requirements at Pune Institute of Computer Technology, Pune – 411043 on

Internal Examiner

External Examiner

ACKNOWLEDGEMENT

With deep sense of gratitude, we would like to thank all the people who have lit our path with their kind guidance. We are very grateful to these intellectuals who did their best to help during our project work.

The special gratitude goes to our internal Guide **Dr. Hrishikesh Joshi**, staff members and technical staff members, of Information Technology Department for their expensive, excellent and precious guidance in completion of this work. We also thank our subject coordinator Dr. Hrishikesh Joshi for his guidance. We thank all the class colleagues for their appreciable help for our working project.

We are also thankful to our parents for providing their wishful support for our successful project completion. Lastly, we thank all our friends and the people who are directly or indirectly related to our project work.

Kanchan Khemnar (23147)
Shruti Mone (23155)
Soham Phadke (23164)
Pawan Poojary (23166)
Pranav Kulkarni (23167)

CONTENTS

Sr. No	TITLE	Page no
1.	Abstract	1
2.	Introduction	2
3.	Overview	3
4.	Background and Motivation	3
5.	Objective and Methodology	4
6.	Scope	5
7.	Requirements	6
8.	E-R Diagram	7
9.	Schema Diagram	7
10.	Relational Database Design	8
11.	Database Normalization	9
12.	Graphical User Interface	12
13.	Conclusion	15
14	References	16

ABSTRACT

Many college students desire to give away their used graphics instruments, books, stationery and other items. Similarly, some students look for affordable second-hand items from their seniors or peers. No platform existed that could facilitate the exchange of college stationery and other items within our college community.

To address the above need, we created a platform, Past2Present, a website to enable students to exchange their goods effortlessly. The sellers are permitted to register their items, along with the necessary details such as prices and images of the items. Buyers can search for a certain item or browse through the random goods listed on the website. On searching for an item, buyers get to see all the similar items sorted according to price. Upon logging in to the website, they can view the contact details of the respective sellers, using which they can connect in person to make the transaction. On selling an item, the respective seller can remove it from the available list of items. The user authentication is done using the college credentials, such as registration ID and email ID.

Other features of our website include

- Wishlist - Requesting for desired items not available on the website
- Email notification to subscribed users on the addition of a new item to the wishlist
- Reporting spam items on the website

This platform facilitates the exchange of items within the PICT community. It ensures the sale of items at appropriate prices and helps relieve the financial burden associated with purchasing them. Last but not the least, it promotes community building within PICT.

INTRODUCTION

The name of our project is Past2Present, a website for facilitating the exchange of contacts between students in PICT to help ease the process of exchanging college stationery items within the college community, ie, to connect buyers and sellers intra-PICT. When we talk about college, there are many second hand items that students use. For exchanging these items, the buyers and sellers can connect offline, but finding each other's contact is hard. Our website addresses this exact problem.

Our project is a website wherein sellers can register their items to be sold on the website. Buyers can view the items registered on the website or search for a specific item they need. On searching for an item, the buyers will get to know all the similar items registered along with their prices. The transaction will happen offline between the buyer and the seller. After the transaction, there will be an option to remove the item from the website. This is the basic functionality. We have other features to ensure security and fairness.

OVERVIEW

Our project is a website wherein sellers can register their items to be sold on the website. Buyers can view the items registered on the website or search for a specific item they need. On searching for an item, the buyers will get to know all the similar items registered along with their prices. The transaction will happen offline between the buyer and the seller. After the transaction, there will be an option to remove the item from the website. This is the basic functionality. We have other features to ensure security and fairness.

BACKGROUND AND MOTIVATION

In the first year, we had the subject of Engineering Graphics, in which we had to use many graphics instruments. We observed that some seniors wished to give their used drafters for free, some wished to sell them for some price, and the stationery shop demanded a totally different price for them. To date, there is no platform to facilitate interaction between students for exchanging such instruments and goods. Some of us got numbers of our seniors through WhatsApp and some had to buy these expensive instruments from stationery.

This motivated us to create a platform, wherein all the sellers within PICT could register their goods which would be visible to all others in the clg. This would make it easier for those who wish to buy these items to see all the registered items with their selling prices in one place.

We also came across some seniors who wish to sell some items but don't find a proper place, making them lazy to ask for buyers. Hence, this platform would be equally beneficial for sellers.

OBJECTIVES

1. Website for facilitating the exchange of contacts between students in PICT to help ease the process of exchanging college stationery items within the college community, ie, to connect buyers and sellers intra-PICT.
2. Platform for sellers to register their items to be sold
3. To make available all the registered items at one place along with their prices

METHODOLOGY

To implement the above goals, the following methodology needs to be followed:

1. Proper commendations.
2. Proper validations.
3. Go through the created schedule.
4. Proper development of a project by following SDLC.
5. Proper division of tasks between project group members.
6. Proper integration of divided tasks.
7. Proper testing for all modules individually and combined testing after integration.

SCOPE

Our project is a website wherein sellers can register their items to be sold on the website. Buyers can view the items registered on the website or search for a specific item they need. On searching for an item, the buyers will get to know all the similar items registered along with their prices. The transaction will happen offline between the buyer and the seller. After the transaction, there will be an option to remove the item from the website. This is the basic functionality. We have other features to ensure security and fairness.

REQUIREMENTS

↗ Software requirements:

- ✓ MySQL Server
- ✓ HTML5/CSS/Javascript/JDBC
- ✓ Any Operating System
- ✓ Any web browser on user side for accessing internet.

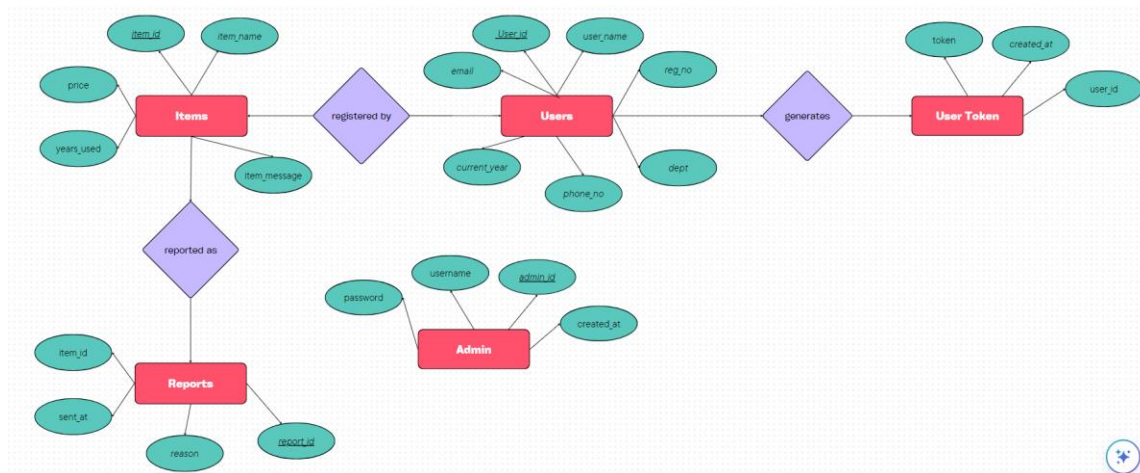
↗ Hardware requirements (For Server):

- ✓ Storage:
 - 1GB(Minimum)
 - 2GB(Recommended)
- ✓ Ram:
 - 1GB(Minimum)
 - 2GB(Recommended)

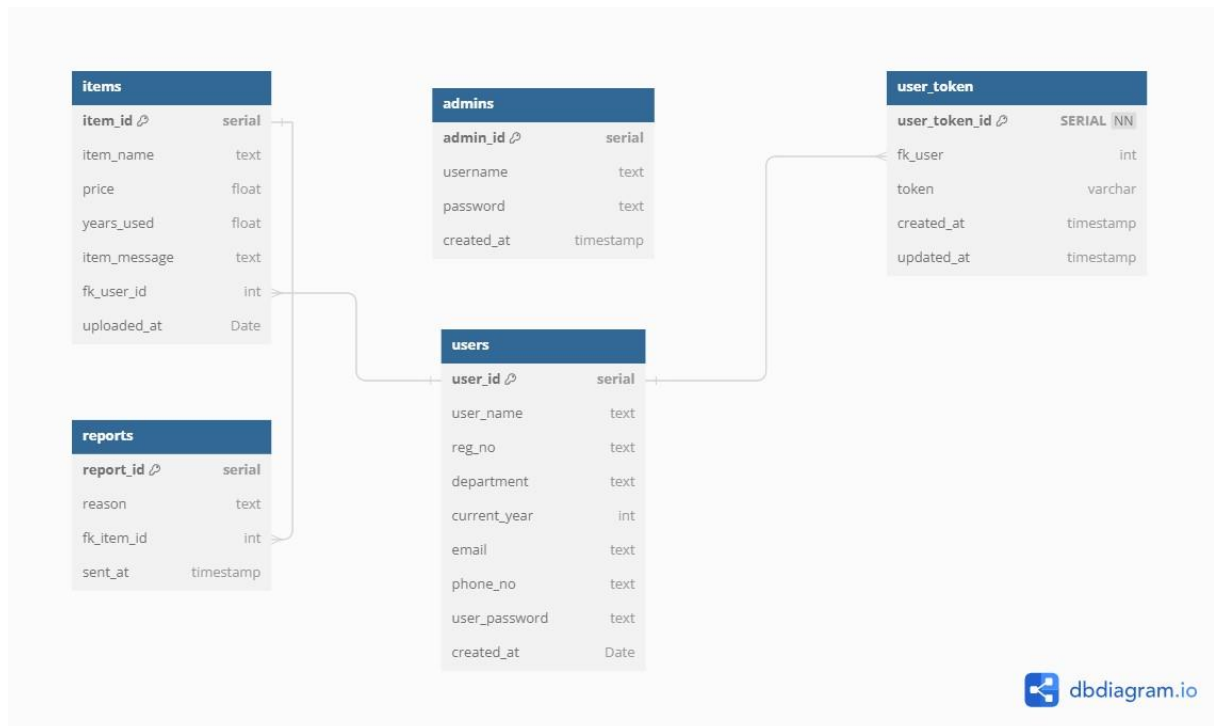
↗ Tools used:

- Git Version Control System
- FrontEnd Languages – React.js
- BackEnd Languages – NodeJS, ExpressJS, JWT, MySQL

E-R DIAGRAM



SCHEMA DIAGRAM



RELATIONAL DATABASE DESIGN

Tables:

1. User table:

	user_id [PK] integer	user_name text	reg_no text	department text	current_year integer	email text	phone_no text	user_password text	created_at date
1	1	Shridhar	I2K224312	Computer Science	3	john@example.com	1234567890	\$2b\$10\$gfo9r7lC/nU/Mc4wFluVQeak/J15YucGPLxU7mUuUzGzs30cHfC	2024-04-02
2	2	Soham Phadke	I2K224313	IT	3	shridhar@gmail.com	9850185657	\$2b\$10\$ZxXpyF0huzTZwxcRvlQf.n/xkKg9zh3vR/WEW2UrD85fhC8YXuc6	2024-04-02
3	3	Pawan Poojary	I2K224312	IT	2	pawan@gmail.com	9853185657	\$2b\$10\$Nzxl.3xmxa.VlpSU2Pzvu00Fmdpl7Wra9xl/ZQCzw2QWM0QhFkkG	2024-04-03
4	4	Paan Poojar	I2K224312	IT	2	paan@gmail.com	9853185657	\$2b\$10\$9fzmKU7mVxWusUnk9SxUF.vxKdM9zaTrTlQ.TsdGnmRHd55BILsa.	2024-04-03
5	5	hari Poojar	I2K223312	CS	2	hari@gmail.com	9153185657	\$2b\$10\$RrCJyD9ZSi87mTZHo67vLO/1K5i7luWSPR8GppdyYlvAmEqu/eply	2024-04-03
6	6	keshav patil	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$SDKScL.KilKPrtfmbZm54quKGqslv3fuSRPMYQ/PlCldqIBQmNZi	2024-04-03
7	7	keshav	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$SaQvrFov1fyfYCY3DPnO0yIOPCIRAEAb6TPibEKf/SGJD09oSc5O	2024-04-03
8	8	keshav	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$agQHGNHAIRZAVaIZk2j7e5ecBfrM0ed7le7h6oRCYGRbC7CUC9z6	2024-04-03
9	9	shruti	I2K223331	IT	2	shruti@gmail.com	9153185657	\$2b\$10\$Td8SVC9R9p6GaOe5OTx2rubFPi8tfzjdBumDfIFyTJFJRhHGclhm	2024-04-03
10	10	abhishek patil	I2K223335	CS	2	abhishek@gmail.com	9153185637	\$2b\$10\$DZM264lBMl6q4Pva1uZFN.hv3dw70F2Z/bG88otcSkmfuRA3bQydc	2024-04-04

2. Token table:

	user_token_id [PK] integer	fk_user integer	token character varying	created_at timestamp without time zone	updated_at timestamp without time z
1	1	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDY5NTMyLCJleHAiOiE3MTIxNTU5MzJ9.VHmY3f23BUaiSB8_k-9mqm0Cqx8tVn-Edgeo-hJ-E	2024-04-02 20:22:12.63	2024-04-02 20:22:12.63
2	2	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDc1MTY4LCJleHAiOiE3MTIxNjE1Nj99.63TDFnebzOPD9uj42fFpQd64pZfc_gelYa2J0j1g8	2024-04-02 21:56:08.273	2024-04-02 21:56:08.273
3	3	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDc1MTY1LCJleHAiOiE3MTIxNjE1Nj99.No2SP30KgsyyoqjYgYVo7an7_EuJDHo8jM4oUokxULE	2024-04-02 21:57:45.499	2024-04-02 21:57:45.499
4	4	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDc1MTY1LCJleHAiOiE3MTIxNjE1Nj99.K0XfP96R1oz6YkY1xj0pImSUyhd-5k19h9T3yhtm4	2024-04-02 21:59:03.644	2024-04-02 21:59:03.644
5	5	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDc1MTY4LCJleHAiOiE3MTIxNjE1Nj99.WxPvH-EgTB6frFP58t5zsX20G661ND0F8abtkoDXgl	2024-04-02 22:12:48.218	2024-04-02 22:12:48.218
6	6	2	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDc1MTY4LCJleHAiOiE3MTIxNjE1Nj99.j06RcAczdUbZksNqN1msKGIHONw_JVDVnbpRn3Cw118	2024-04-02 22:33:14.929	2024-04-02 22:33:14.929
7	7	3	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDk5MDEwLCJleHAiOiE3MTIxODU0MTB9.4zUtmghixRCtp5aloRwf-FwZdyef2VVBVUE3_kyL_Kw	2024-04-03 04:33:30.712	2024-04-03 04:33:30.712
8	8	4	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDk5MDEwLCJleHAiOiE3MTIxODU0MTB9.WWVce5nnwnLn_P5Z27P6GeSj8j1T0XgEvqzT04Dhcg	2024-04-03 04:38:53.885	2024-04-03 04:38:53.885
9	9	7	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDk5MDEwLCJleHAiOiE3MTIxODU0MTB9.kPb8xsm0AhtP6xhGEYITqW-CCROy6yYA6PPdOagfBXA	2024-04-03 04:43:27.844	2024-04-03 04:43:27.844
10	10	8	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZiZC16MSwiaWF0IjoxNzEyMDk5MDEwLCJleHAiOiE3MTIxODU0MTB9.UioaNHkRotJPXETKCKGNsgAtN5y1NZR1Q	2024-04-03 04:44:48.593	2024-04-03 04:44:48.593

3. Item table:

	item_id [PK] integer	item_name text	price double precision	years_used double precision	item_message text	fk_user_id integer	uploaded_at date
1	2	drafter	120	1.5	This drafter is in good condition.	1	2024-04-02
2	3	drafter	119.99	2	very rarely used and good condition.	1	2024-04-02
3	4	book	119	1	book for mechanics	3	2024-04-03
4	5	calculator	500	2	calculator for engineering	10	2024-04-04
5	6	book	350	2	book for M3	11	2024-04-04
6	7	calculator	500	3	calculator for engineering	1	2024-04-02
7	9	drafter	120	2	this is very good drafter	14	2024-04-04
8	10	book	250	2	harry potter book	9	2024-04-05
9	14	drafter	195	5	It is in very Good condition :)	30	2024-04-05
10	16	drafter	100	4	this is in good condition and rarely used .	31	2024-04-05
11	17	drafter	150	1	this is in good condition and rarely used .	34	2024-04-05

DATABASE NORMALIZATION

1.First Normal Form:

The relation is in 1NF if it has no repeating groups. All tables have no repeating groups so they are in 1NF.

1. User table:

	user_id [PK] integer	user_name text	reg_no text	department text	current_year integer	email text	phone_no text	user_password text	created_at date
1	1	Shridhar	I2K224312	Computer Science	3	john@example.com	1234567890	\$2b\$10\$pf09r7lIC/nu/Mc4wfEluVQeak/J15UcGPLxU7mUuUgZs30cHfC	2024-04-02
2	2	Soham Phadke	I2K224313	IT	3	shridhar@gmail.com	9850185657	\$2b\$10\$ZxXpyYF0huuzTZwxcRvl/Qf.n/xkKg9zh3vR/WEW2UkD85fhc8YXuc6	2024-04-02
3	3	Pawan Poojary	I2K224312	IT	2	pawan@gmail.com	9853185657	\$2b\$10\$Nzxl.3kxsa.VlpSU2Pzvu00Fmdpl7Wra9xl/ZQCzw2QWm0QhFkkG	2024-04-03
4	4	Paan Poojar	I2K224312	IT	2	paan@gmail.com	9853185657	\$2b\$10\$9fzmKU7mVxWusUnk95xUF.vxKdM9zaTrTiQ.TsdGnmRHd55BILsa.	2024-04-03
5	5	hari Poojar	I2K223312	CS	2	hari@gmail.com	9153185657	\$2b\$10\$RrC.JyD9ZS87mTZHo67vLO/1K5I7luWSpR8GppdyYlvAmEqu/eply	2024-04-03
6	6	keshav patil	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$DKSci.KilKPrtfmbZm54quKGqsuLv3fuSRPMYo/IPICldiBQmNZi	2024-04-03
7	7	keshav	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$SaQvrPov1fryFYC3DPn0Oyl0PCIRaEAb6TPibEKF/SGjD09oSc5O	2024-04-03
8	8	keshav	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$agQHGNHAIPZAVaIZk2j7eSecBfrM0ed7le7h6oRCYGRBc7CUC9z6	2024-04-03
9	9	shruti	I2K223331	IT	2	shruti@gmail.com	9153185657	\$2b\$10\$Td8SVC9R9p6GaOe5OTx2rubFPi8tfjdBumDlFfYtVJfTRhHGcilm	2024-04-03
10	10	abhishek patil	I2K223335	CS	2	abhishek@gmail.com	9153185637	\$2b\$10\$DZM264lBMi6q4PVa1u2FN.hv3dw70F22/bG88otcSkmFuRA3bQydc	2024-04-04

2. Token table:

	user_token_id [PK] integer	fk_user integer	token character varying	created_at timestamp without time zone	updated_at timestamp without time z
1	1	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTIxNTUzMDZjLjEhIAQJE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-02 20:22:12.63	2024-04-02 20:22:12.63
2	2	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-02 21:56:08.273	2024-04-02 21:56:08.273
3	3	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-02 21:57:45.499	2024-04-02 21:57:45.499
4	4	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-02 21:59:03.644	2024-04-02 21:59:03.644
5	5	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-02 22:12:48.218	2024-04-02 22:12:48.218
6	6	2	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-02 22:33:14.929	2024-04-02 22:33:14.929
7	7	3	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-03 04:33:30.712	2024-04-03 04:33:30.712
8	8	4	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-03 04:38:53.885	2024-04-03 04:38:53.885
9	9	7	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-03 04:43:27.844	2024-04-03 04:43:27.844
10	10	8	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6Im5wZWliaW90IjoixNzEyMDY5NTMyLCJleHAiOiE3MTXhNjE1Nj9.63TDFnebzOPD9uj42fPnOd64p2fc.geiYa2JO1g8	2024-04-03 04:44:48.593	2024-04-03 04:44:48.593

3. Item table:

	item_id [PK] integer	item_name text	price double precision	years_used double precision	item_message text	fk_user_id integer	uploaded_at date
1	2	drafter	120	1.5	This drafter is in good condition.	1	2024-04-02
2	3	drafter	119.99	2	very rarely used and good condition.	1	2024-04-02
3	4	book	119	1	book for mechanics	3	2024-04-03
4	5	calculator	500	2	calculator for engineering	10	2024-04-04
5	6	book	350	2	book for M3	11	2024-04-04
6	7	calculator	500	3	calculator for engineering	1	2024-04-02
7	9	drafter	120	2	this is very good drafter	14	2024-04-04
8	10	book	250	2	harry potter book	9	2024-04-05
9	14	drafter	195	5	It is in very Good condition :)	30	2024-04-05
10	16	drafter	100	4	this is in good condition and rarely used .	31	2024-04-05
11	17	drafter	150	1	this is in good condition and rarely used .	34	2024-04-05

2. Second Normal Form

A relation is said to be in second normal form if it is already in first normal form and it has no partial dependency

The absence of partial dependency in all relations in database take them into 2NF without any modification

1. User table:

	user_id [PK] integer	user_name text	reg_no text	department text	current_year integer	email text	phone_no text	user_password text	created_at date
1	1	Shridhar	I2K224312	Computer Science	3	john@example.com	1234567890	\$2b\$10\$pf9r7l8C/nu/Mc4wEliuVQeak/J15YucGPLxU7mUuuGzs30eHfC	2024-04-02
2	2	Soham Phadke	I2K224313	IT	3	shridhar@gmail.com	9850185657	\$2b\$10\$ZxXpyYF0huzTZwxcRvlQI/n/xkKg9zh3vR/WEW2UrD85fhC8YXuc6	2024-04-02
3	3	Pawan Poojary	I2K224312	IT	2	pawan@gmail.com	9853185657	\$2b\$10\$Nzxl.3mxa.VlpSU2Pzvu0QFmdpl7Wra9xl/ZOCzw2QVM0QhFkkG	2024-04-03
4	4	Paan Poojar	I2K224312	IT	2	paan@gmail.com	9853185657	\$2b\$10\$9fzmKU7mVxWusUNk95xUF.vxKdM9zaTr7iQ.TsdGnmRHd55BILsa.	2024-04-03
5	5	hari Poojar	I2K223312	CS	2	hari@gmail.com	9153185657	\$2b\$10\$RrcJyD9ZSi87mTZHo67vLO/1K5i7luWSPR8GppdyYlvAmEqu/eply	2024-04-03
6	6	keshav patil	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$DKScI.KiikPrtfmbZm54quKGqsulv3fuSRPMYQ/IPICLqdiBQmN2i	2024-04-03
7	7	keshav	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$SaQvrPov1fyfTYC3DPn00yIOPCIRaAb6TPibEKf/SgJD09oSc50	2024-04-03
8	8	keshav	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$agQH6nHAIPZAVaIZk2j7eSeoBfrM0ed7le7h6oRCYGRbC7CUC9z6	2024-04-03
9	9	shruti	I2K223331	IT	2	shruti@gmail.com	9153185657	\$2b\$10\$Td8SVC9R9p6GaOe50Tx2rubFPi8tfzjdBumDfIYtVJfTRHhGcilm	2024-04-03
10	10	abhishek patil	I2K223335	CS	2	abhishek@gmail.com	9153185637	\$2b\$10\$DZM264lBMi6q4PVa1u2FN.hv3dw70F22/bG88otcSkmfuRA3bQydc	2024-04-04

2. Token table:

	user_token_id [PK] integer	fk_user integer	token character varying	created_at timestamp without time zone	updated_at timestamp without time zone
1	1	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY5NTMyLCJleHAiOiE3MTIxNTUzMzJ9.VHmYf3I2SBUaiSB8_k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-02 20:22:12.63	2024-04-02 20:22:12.63
2	2	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY1MTY4LCJleHAiOiE3MTIxNTUzMzJ9.63TDfnebzOPD9uj42fPnQd64p2fc.geIya2J0j1g8	2024-04-02 21:56:08.273	2024-04-02 21:56:08.273
3	3	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY1MTY4LCJleHAiOiE3MTIxNTUzMzJ9.NoZSP30KgsyvoJYgYVvo7an7_EuJDHo8jM4oUokxULE	2024-04-02 21:57:45.499	2024-04-02 21:57:45.499
4	4	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY1MTY4LCJleHAiOiE3MTIxNTUzMzJ9.WxPvHEgtB6iRfP58tSzsX2OG661ND0Fra8t6koDXgl	2024-04-02 21:59:03.644	2024-04-02 21:59:03.644
5	5	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY1MTY4LCJleHAiOiE3MTIxNTUzMzJ9.WxPvHEgtB6iRfP58tSzsX2OG661ND0Fra8t6koDXgl	2024-04-02 22:12:48.218	2024-04-02 22:12:48.218
6	6	2	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY1MTY4LCJleHAiOiE3MTIxNTUzMzJ9.j06RcAczdUubZkNqN1mSkGIHONw_JYDVNpbRn3Cw118	2024-04-02 22:33:14.929	2024-04-02 22:33:14.929
7	7	3	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY1MTY4LCJleHAiOiE3MTIxNTUzMzJ9.4zUtmglHxRCtp5aioRwF-FwzDye1ZVVBUE3_kyl_Kw	2024-04-03 04:33:30.712	2024-04-03 04:33:30.712
8	8	4	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY1MTY4LCJleHAiOiE3MTIxNTUzMzJ9.WWVco5nwnlLpS2Z77PiGe5J8j1TOXgEvqzT04Dhcg	2024-04-03 04:38:53.885	2024-04-03 04:38:53.885
9	9	7	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY1MTY4LCJleHAiOiE3MTIxNTUzMzJ9.kPb8xsm0AhtP6xhGEYITqW-CCRQy6yYA6PPdOagfBXA	2024-04-03 04:43:27.844	2024-04-03 04:43:27.844
10	10	8	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6MSwiaWF0IjoxNzEyMDY1MTY4LCJleHAiOiE3MTIxNTUzMzJ9.UioaNhkRotJPXETKCKGNSgaAtN5y1NZR1Q	2024-04-03 04:44:48.593	2024-04-03 04:44:48.593

3. Item table:

	item_id [PK] integer	item_name text	price double precision	years_used double precision	item_message text	fk_user_id integer	uploaded_at date
1	2	drafter	120	1.5	This drafter is in good condition.	1	2024-04-02
2	3	drafter	119.99	2	very rarely used and good condition.	1	2024-04-02
3	4	book	119	1	book for mechanics	3	2024-04-03
4	5	calculator	500	2	calculator for engineering	10	2024-04-04
5	6	book	350	2	book for M3	11	2024-04-04
6	7	calculator	500	3	calculator for engineering	1	2024-04-02
7	9	drafter	120	2	this is very good drafter	14	2024-04-04
8	10	book	250	2	harry potter book	9	2024-04-05
9	14	drafter	195	5	It is in very Good condition :)	30	2024-04-05
10	16	drafter	100	4	this is in good condition and rarely used .	31	2024-04-05
11	17	drafter	150	1	this is in good condition and rarely used .	34	2024-04-05

3. Third Normal Form:

A relation is said to be in third normal form if it is already in 1st and 2nd NF and has no transitive dependency.

1. User table:

	user_id [PK] integer	user_name text	reg_no text	department text	current_year integer	email text	phone_no text	user_password text	created_at date
1	1	Shridhar	I2K224312	Computer Science	3	john@example.com	1234567890	\$2b\$10\$pf09r7lC/nu/Mc4wEluVQeak/J15YucGPLxU7mUuGzs30cHfC	2024-04-02
2	2	Soham Phadke	I2K224313	IT	3	shridhar@gmail.com	9850185657	\$2b\$10\$ZxXpyYf0huzTZwxcRvIQf.n/xkKg9zh3vR/WEW2Ud85fhC8YXuc6	2024-04-02
3	3	Pawan Poojary	I2K224312	IT	2	pawan@gmail.com	9853185657	\$2b\$10\$Nzxl.3xmxa.VlpSU2Pzu00Fmdpl7Wra9xl/ZQCzw2QWM0QhFkkG	2024-04-03
4	4	Paan Poojar	I2K224312	IT	2	paan@gmail.com	9853185657	\$2b\$10\$9fzmKU7mVxWusUnK9SxUF.vxKdM9zaT7lQ.TsdGnmRHd55BILsa.	2024-04-03
5	5	hari Poojar	I2K223312	CS	2	hari@gmail.com	9153185657	\$2b\$10\$RrC.JyD9ZSi87mTZHo67vLO/1KS17luWSpR8GppdyYlvAmEqu/eply	2024-04-03
6	6	keshav patil	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$DKScI.KiIKPrtfmbZm54quKGsuL3fuSRPMYQ/IFlCldiBQmN2i	2024-04-03
7	7	keshav	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$SaQvrPov1fyfFYC3DPnO0yIOPCIRAEAb6TPibEKF/SGJD09oSc50	2024-04-03
8	8	keshav	I2K223332	IT	2	keshav@gmail.com	9153185657	\$2b\$10\$agQHGrHAIPZAVaIZk2j7eSecBfrM0ed7le7h6oRCYGRbC7CUC9z6	2024-04-03
9	9	shruti	I2K223331	IT	2	shruti@gmail.com	9153185657	\$2b\$10\$Td8SVC9R9p6GaOe50Tx2rubFPi8tfjdBumDFlFYtVJfTRhRGcilm	2024-04-03
10	10	abhishek patil	I2K223335	CS	2	abhishek@gmail.com	9153185637	\$2b\$10\$DZM264lBMl6q4Pva1u2FN.hv3dw70F22/bG88otcSkmfuRA3bQydc	2024-04-04

2. Token table:

	user_token_id [PK] integer	fk_user integer	token character varying	created_at timestamp without time zone	updated_at timestamp without time z
1	1	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-02 20:22:12.63	2024-04-02 20:22:12.63
2	2	2	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-02 21:56:08.273	2024-04-02 21:56:08.273
3	3	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-02 21:57:45.499	2024-04-02 21:57:45.499
4	4	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-02 21:59:03.644	2024-04-02 21:59:03.644
5	5	1	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-02 22:12:48.218	2024-04-02 22:12:48.218
6	6	2	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-02 22:33:14.929	2024-04-02 22:33:14.929
7	7	3	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-03 04:33:30.712	2024-04-03 04:33:30.712
8	8	4	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-03 04:38:53.885	2024-04-03 04:38:53.885
9	9	7	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-03 04:43:27.844	2024-04-03 04:43:27.844
10	10	8	eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjE2NDMzOTY0IiwiaWF0IjoxNjE2MzQzOTY0LCJleHAiOiE3MTIxNTUzMDZJ9.VHMY3lI25BUaiSB8l.k-9mqm0Cqx81vN-Edgeo-hJE	2024-04-03 04:44:48.593	2024-04-03 04:44:48.593

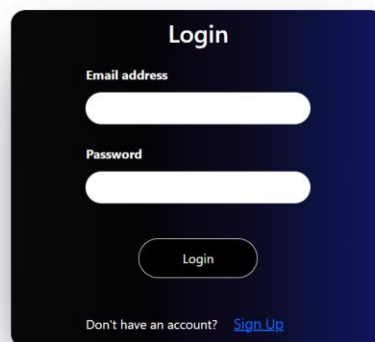
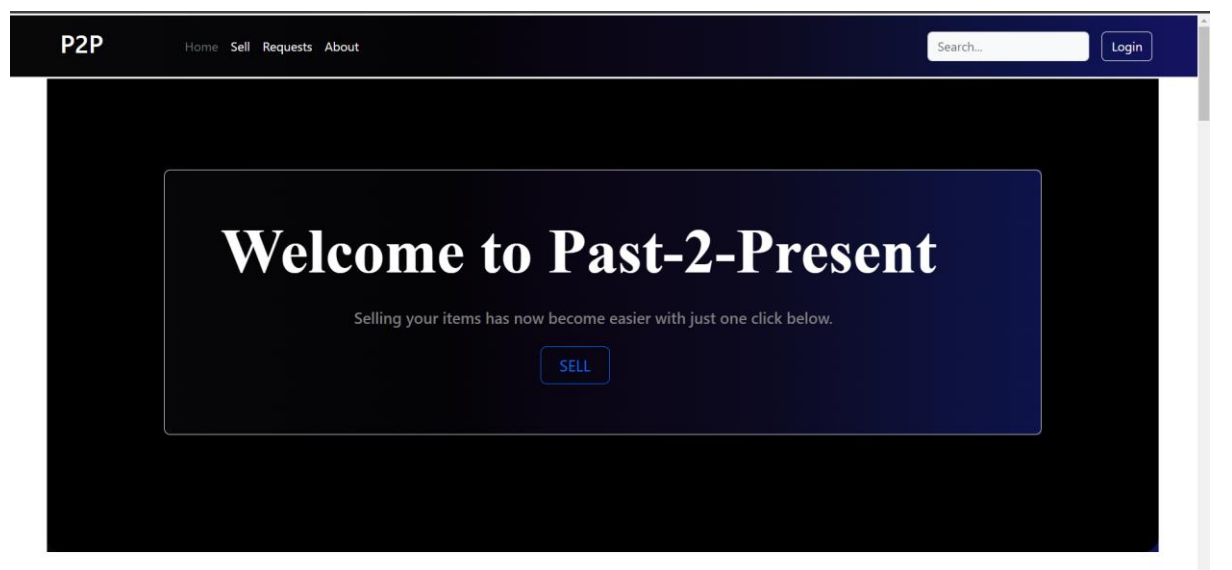
3. Item table:

	item_id [PK] integer	item_name text	price double precision	years_used double precision	item_message text	fk_user_id integer	uploaded_at date
1	2	drafter	120	1.5	This drafter is in good condition.	1	2024-04-02
2	3	drafter	119.99	2	very rarely used and good condition.	1	2024-04-02
3	4	book	119	1	book for mechanics	3	2024-04-03
4	5	calculator	500	2	calculator for engineering	10	2024-04-04
5	6	book	350	2	book for M3	11	2024-04-04
6	7	calculator	500	3	calculator for engineering	1	2024-04-02
7	9	drafter	120	2	this is very good drafter	14	2024-04-04
8	10	book	250	2	harry potter book	9	2024-04-05
9	14	drafter	195	5	It is in very Good condition :)	30	2024-04-05
10	16	drafter	100	4	this is in good condition and rarely used .	31	2024-04-05
11	17	drafter	150	1	this is in good condition and rarely used .	34	2024-04-05

GRAPHICAL USER INTERFACE

The application is very user friendly and uses a GUI interface implemented in HTML/CSS/BOOTSTRAP to Communicate with the user. Various features are self – explanatory. Forms are easy to fill in and components can be added, removed and updated very easily through a Single dialog box. The application includes tool-tip hints to give a brief description of the particular input Field.

Snapshots of the application:



Create Account

Enter Name

Enter your name

Registration no. of PICT

Department

Computer Science

Current year

FE

Email address

Phone number

Password

Submit

P2P

HomeSellRequestsAbout

Search...

Profile

More Items

Drafter

Price: 120
Years used: 1.5

View

Book

Price: 119
Years used: 1

View

Calculator

Price: 500
Years used: 2

View

Book

Price: 350
Years used: 2

View

Calculator

Price: 500
Years used: 3

View

Drafter

Price: 120
Years used: 2

View

P2P

HomeSellRequestsAbout

Search...

Profile

Current Requests

There are no current requests.

© 2024 Past2Present, PICT

HomeSellRequestsAbout usPICT

P2P

[Home](#) [Sell](#) [Requests](#) [About](#)

Profile

Shruti

Name : Shruti

Registration id : I2K223331

Mobile : 9153185657

Email : shruti@gmail.com

Update +

ACCOUNT

My Profile

My Uploads

My Requests

Sign Out

P2P

[Home](#) [Sell](#) [Requests](#) [About](#)

Login

Book

Book

Price: 119

Years used: 1

View

Book

Price: 350

Years used: 2

View

Book

Price: 250

Years used: 2

View

Book

Price: 299

Years used: 3

View

Book

Price: 100

Years used: 1

View

Book

Price: 60

Years used: 2

View

Book

Price: 450

Book

Price: 200

Book

Price: 120

CONCLUSION

Thus, this platform facilitates the exchange of items within the PICT community. It ensures the sale of items at appropriate prices and helps relieve the financial burden associated with purchasing them. Last but not the least, it promotes community building within PICT.

REFERENCES

- <https://dev.mysql.com/doc/>
- <https://www.w3schools.com/>
- <https://react.dev/>