



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

STOCKOVERFLOW

Stock purchasing made easy

Database Management Systems – CSE2004

A project report by:

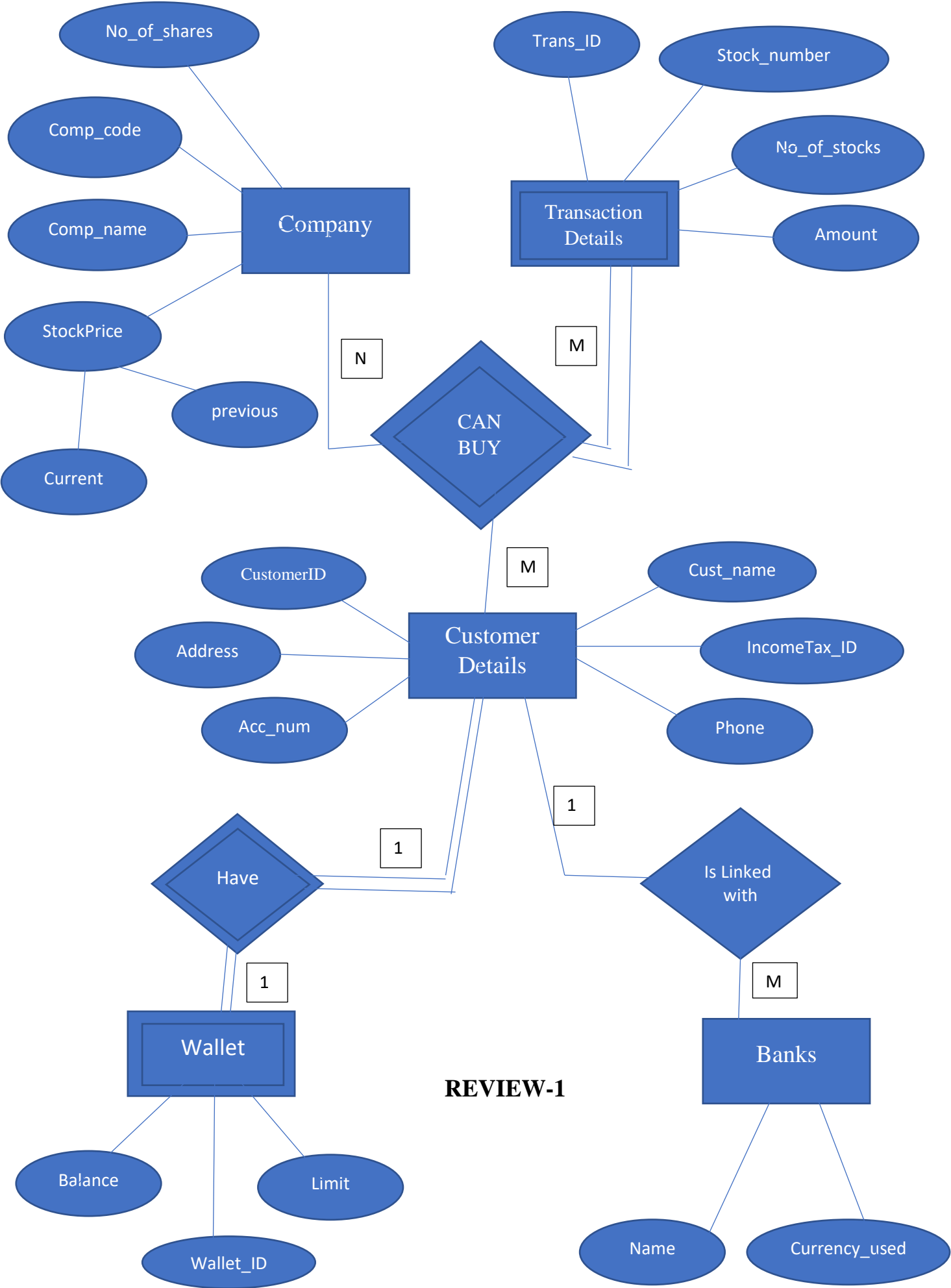
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Under the supervision of: Prof. Geetha Mary A.

STOCKOVERFLOW



REVIEW 2

classmate
Date _____
Page _____

Customer Details

<u>Customer ID</u>	Customer Name	Acc No.	Address	Phone	Income Tax ID
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Banks

Name	Currency Used
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Transaction Details

<u>Transaction ID</u>	Amount	Stock Number	No. of Stock	Customer ID
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Company

<u>Company Code</u>	Number of Shares	Company Name	Stock Price	Current	Previous
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Wallet

<u>No.</u>	Limit	Balance
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Customer details (Customer Id , Customer Name,
Acc No. Address, Phone, Income
Tax ID)

Banks (Name , Currency Used)

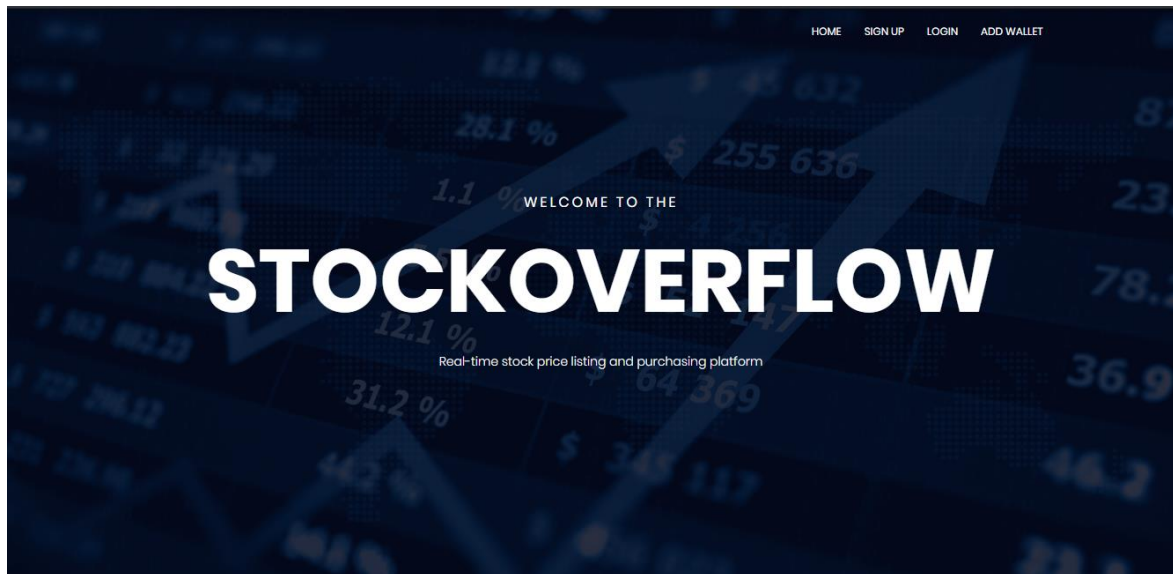
Transaction Details (Transaction ID , amount,
stock number, No. of stocks,
Customer ID)

Company (Company Code , Number of shares,
Company name, stock price,
Current, previous)

Wallet (No. , limit , balance)

OUTPUT

Home page:

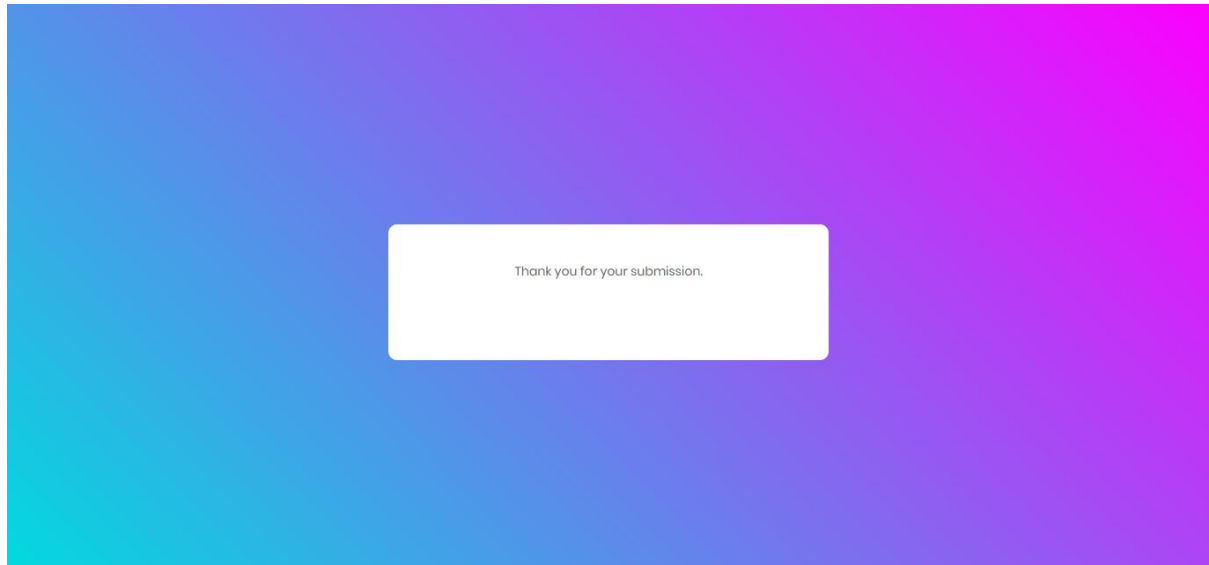


Signup Page:

Enter Details to signup		
Pranav		
Sharma		
pranavsharma.csedvit@i		
98110		
New Delhi , Paschim Vihar		

089721		
4454		

Successfully signed:



The data table which contains data of all signed in customers now has the above values:

Query - customer_details on postgres@localhost:5432 *

File Edit Query Favguirites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

select * from data;

Scratch pad

Output pane

Data Output Explain Messages History

	cid_integer	email_character varying(120)	first_character varying(120)	last_character varying(120)	add_character varying(120)	cell_integer	password_character varying(120)	income_integer	acc_integer
9	676	ps@gmail.com	p	s	New Delhi	9999	wer	34	9089
10	8800	pspranav9@gmail.com	pranav	sharma	New Delhi	9899	thebestofall	777	5678
11	1	psps9@gmail.com	ps	ps	New Delhi	9899	yuy	9990	9998
12	5657	pl@gmail.com	pranav	l	New Delhi	8880	hiu	187	9090
13	10	rachitn@gmail.com	rachit	n	New Delhi	9807	awe	78	4563
14	5232	p@gmail.com	p	s	New Delhi	7878	yuy	233	898
15	14349	ki@gmail.com	KOMILA	SHARMA	New Delhi	9871	loio	90	8989
16	2703	psps@gmail.com	pranav	sharma	New Delhi	9899	thisisme	708	4467
17	11133	psl@gmail.com	Pranav	Sharma	New Delhi	99	hime	7008	7700
18	15558	kartikjindalkj@gmail.com	Kartik	Jindal	abc city	9080	0000	9876	4567
19	10584	pranavsharma.csedvit@gmail.com	Pranav	Sharma	New Delhi , Paschim Vihar	98110	something	89721	4454

The add wallet page which adds money to your wallet:

Enter details to add money to your wallet

4454

pranavsharma

...

Bank name

HDFC

Currency Used

Dollar-US

90000

Money has now been added to your wallet:

Query - customer_details on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

customer_details on postgres@localhost:5432

SQL Editor Graphical Query Builder

Previous queries

select * from wallet_details;

Scratch pad

Output pane

Data Output Explain Messages History

	card_number integer	full_names character varying(120)	cvv_numbers integer	banknames character varying(120)	currencys character varying(120)	amount integer	wallet_no integer
1	8989 kk		777	opq	rupee	9000	
2	5656 prs		785	wesw	rupee	90000	
3	3435 pranav		897	bbb	rupee	40000	11820
4	4400 pranav		989	Indian Bank	Rupee	9000	5700
5	9099 kartik		898	ICICI	Rupee	80000	12699
6	9099 pranav		898	SBI	Dollar-US	9000	7059
7	213131 qwerty		345	Bank of America	Dollar-US	9000	10894
8	213131 qwerty		345	PNB	Dollar-US	26765	642
9	12345 adfsf		123	HDFC	Euros	9009000	2943
10	7870 lk		999	AXIS	Rupee	26500	6987
11	4454 pranavsharma		991	Standard Chartered	Dollar-US	90000	288

The Login Page :

[HOME](#)
[ADD WALLET](#)

LOGIN

Email
pranavsharma.csedvit@gmail.com

Password


Submit →

This is the Stocks Ver Page where stocks are purchased:

Indices

Stock ID

1m 3m 1y 5y max



AZQ • Amazon Com Inc Byrds Opts - Azq	1416.86 ^E	▼ -8.46 (-0.59%)
APQ • Byrds Aapl Apple Inc	169.22 ^E	▲ 2.01 (1.20%)
IBM • International Business Machines Corporation	119.64 ^D	▼ -5.15 (-4.13%)
INQ • Byrds - (Intc) - Intel Corp	51.21 ^E	▲ 1.49 (3.00%)
FOQ • Byrds Fb Facebook Inc.	158.52 ^E	▲ 5.14 (3.35%)
BRK.B • Berkshire Hathaway Inc. New	200.04 ^D	▲ 1.55 (0.78%)
BAC • Bank of America Corporation	26.61 ^D	▲ 0.22 (0.83%)
WMT • Walmart Inc.	99.80 ^D	▲ 0.86 (0.87%)

Enter stock details to purchase

ENTER THE COMPANY NAME
Apple

ENTER THE STOCK ID
102

ENTER THE QUANTITY
50

ENTER CURRENT PRICE OF STOCK
169

The transaction has been initiated and a new row has been inserted in table transaction_details:

Query - customer_details on postgres@localhost:5432 *

SQL Editor

```
select * from transaction_details;
```

Output pane

	transaction_id integer	amount integer	numberof_stocks integer	stock_number integer
24	10251	915500	500	108
25	13617	715500	500	108
26	12642	915500	500	108
27	13320	915500	500	108
28	6591	708000	500	108
29	5322	255	5	104
30	492	1210	10	103
31	10752	9155	5	108
32	12057	9155	5	108
33	14628	8450	50	102

The corresponding number of stocks have been reduced from company_details of the particular company:

Query - customer_details on postgres@localhost:5432 *

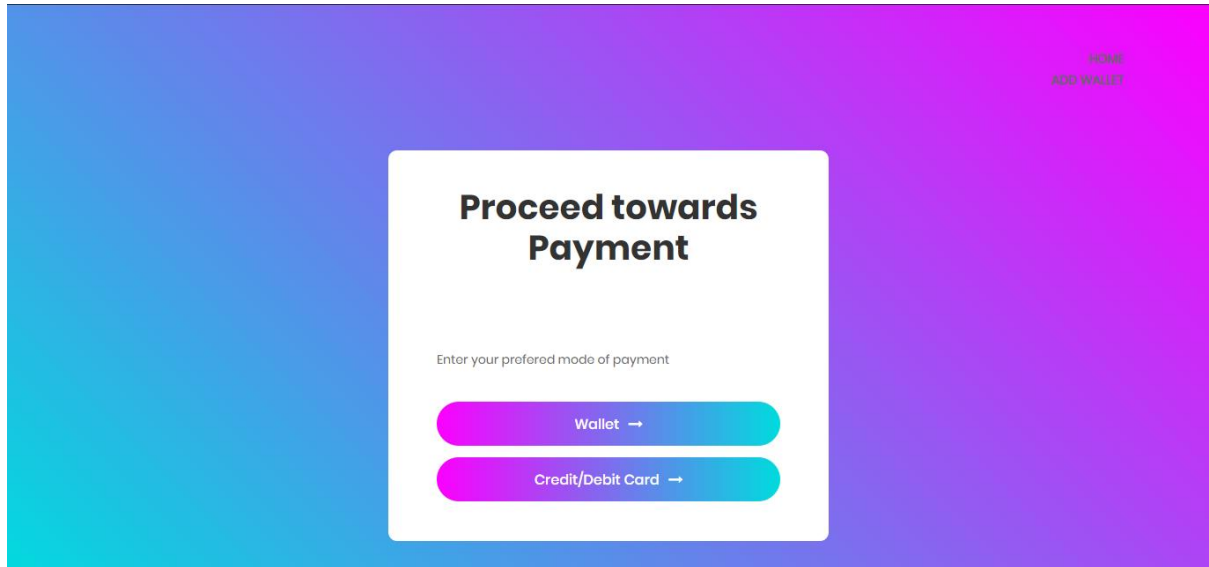
SQL Editor

```
select * from company_details;
```

Output pane

	company_code integer	company_name character varying(120)	numberof_shares integer	stockprice_current integer	stockprice_previous integer
1	105	Facebook	15000	159	158
2	106	NVIDIA	16000	244	243
3	107	Audi AG	18000	730	731
4	109	Berkshire Hathaway	6000	315200	314750
5	100	Microsoft	15000	110	127
6	101	Amazon.com	16000	1127	1125
7	104	Intel	13995	46	47
8	103	IBM	16490	134	133
9	108	Amazon.com, Inc	11490	1831	1829
10	102	Apple	15450	221	220

This is the payment portal page:



Payment portal page with a blue and purple gradient background. The page features a white card with the heading "Proceed towards Payment" and a subheading "Enter your preferred mode of payment". Two buttons are visible: "Wallet →" and "Credit/Debit Card →". In the top right corner, there are links for "HOME" and "ADD WALLET".

HOME
ADD WALLET

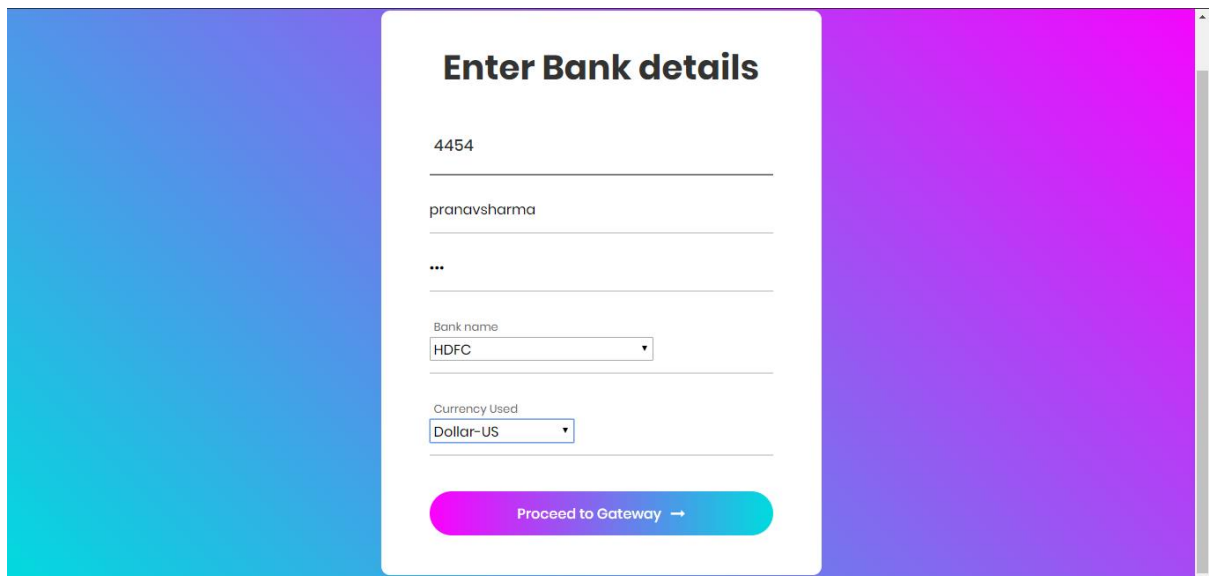
Proceed towards Payment

Enter your preferred mode of payment

Wallet →

Credit/Debit Card →

This is the bank page where bank details are entered to purchase the stocks:



Bank details page with a blue and purple gradient background. The page features a white card with the heading "Enter Bank details". The form includes fields for a card number (4454), cardholder name (pranavsharma), and a bank name dropdown menu (HDFC). There is also a currency used dropdown menu (Dollar-US) and a "Proceed to Gateway →" button at the bottom.

Enter Bank details

4454

pranavsharma

...

Bank name
HDFC

Currency Used
Dollar-US

Proceed to Gateway →

This is the bank_details table where the bank details have been inserted:

Query - customer_details on postgres@localhost:5432 *

File Edit Query Favourites Macros View Help

SQL Editor Graphical Query Builder

Previous queries

```
select * from bank_details;
```

Scratch pad

Output pane

Data Output Explain Messages History

	card_num integer	full_name character varying(120)	cvv_number integer	bankname character varying(120)	currency character varying(120)
3	4743	pranavsharma	786	bankofmaha	rupee
4	989	eee	343	qwe	rupee
5	1324	hfnjna	233	ICICI	Rupee
6	5656	pranav	999	SBI	Rupee
7	88	pr	66	AXIS	Dollar-US
8	809	kartik	888	Kotak	Rupee
9	1001	pranav	898	PNB	Rupee
10	7089	pranavsharma	789	Indian Bank	Rupee
11	9098	pranav	789	Bank of America	Dollar-US
12	4454	pranavsharma	991	HDFC	Dollar-US

This is the wallet payment page which is used when we want to pay from our inbuilt wallet:

HOME
ADD WALLET

Wallet payment portal

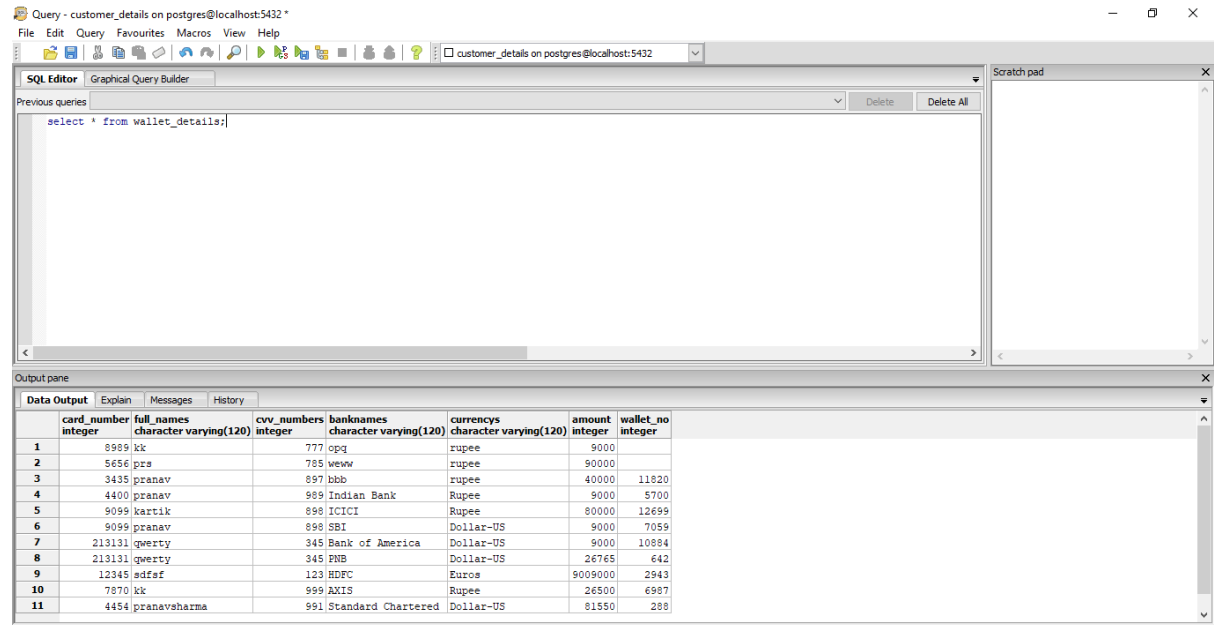
pranavsharma.csedvit@gmail.com

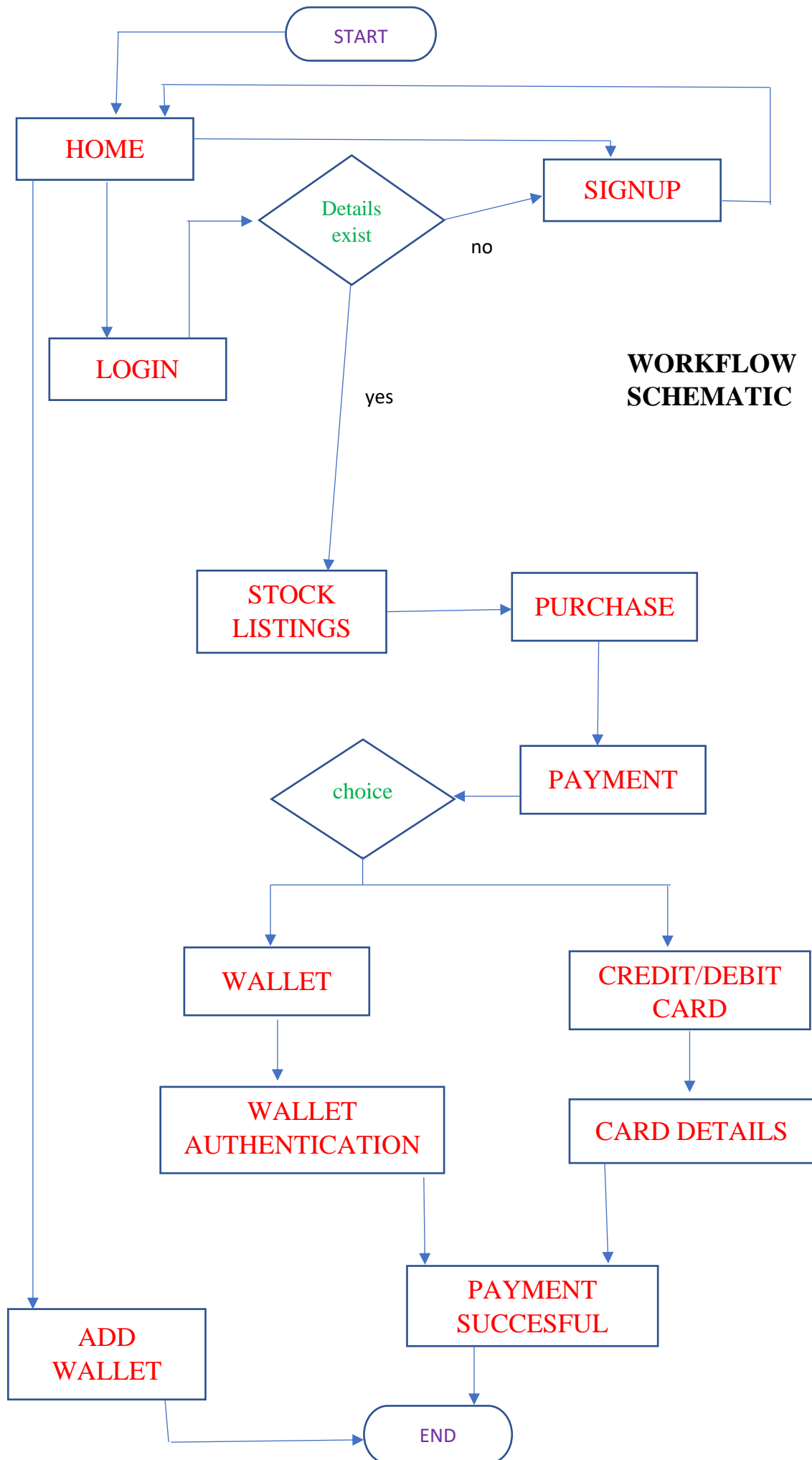
8450

...

Confirm and Proceed →

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Softwares Used

- # Atom
- # PostgreSQL
- # Python
- # Flask Framework
- # SQLAlchemy

Graphical User Interface(GUI)

- ❖ Html
- ❖ CSS
- ❖ Javascript