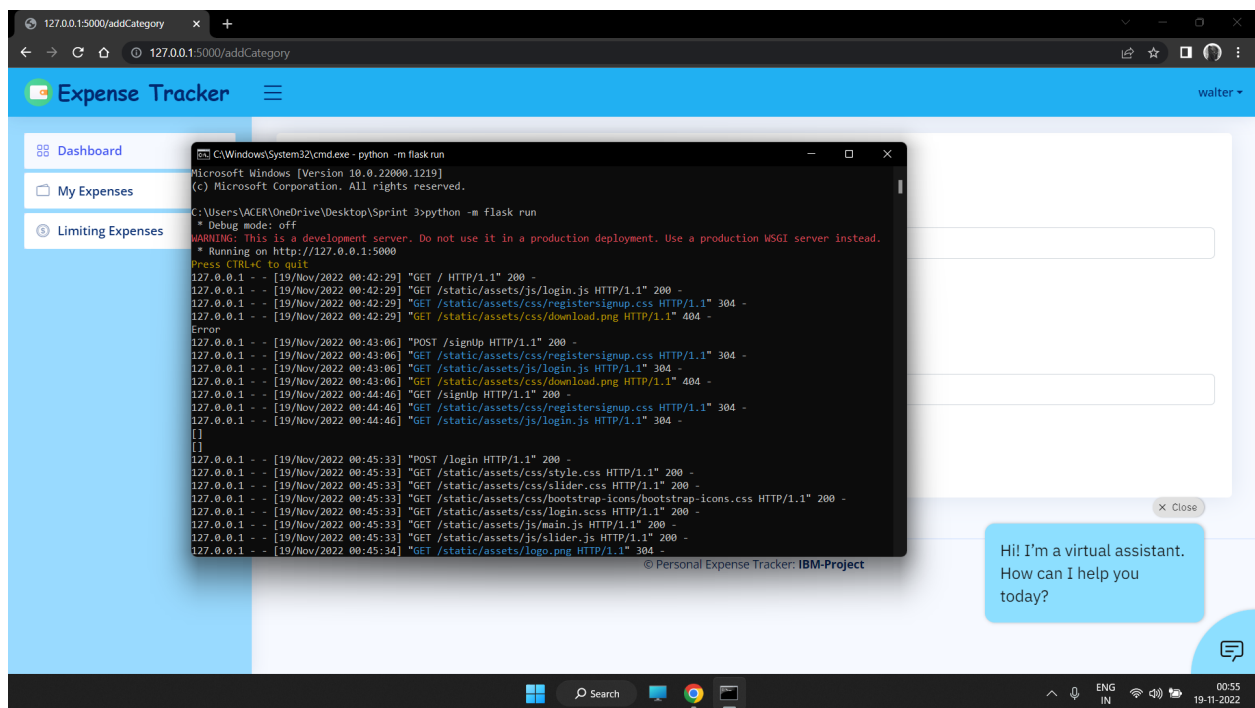


TEAM ID	PNT2022TMID15508
PROJECT NAME	PERSONAL EXPENSE TRACKER
TEAM MEMBERS	JEYADESH J, DHANESH B, VARUN S, SENTHIL KUMARAN K

In this we have created and integrated the newly created chatbot, which helps the user to navigate through the application. Features such as Adding a Category with limit which when exceeded a warning mail will be sent to the user via sendgrid, Adding expense based on category previously added as well as viewing history of expenses, and statistical analysis of total expenses/months and category wise expenses/month has been added.

## Running the Flask



## Adding Category

The screenshot displays a web browser window with the URL `127.0.0.1:5000/addCategory`. The application is titled "Expense Tracker" and features a sidebar with navigation links: "Dashboard", "My Expenses", and "Limiting Expenses". The main content area is titled "Add Category" and includes a sub-header "Create a new category". The form contains three input fields: "Category Name" (with the value "FOOD"), "Set Limit" (a slider set to 5000), and "Description" (with the value "Food items."). A blue "Add category" button is positioned below the description field. At the bottom of the page, there is a copyright notice "© Personal Expense Tracker: IBM-Project" and a virtual assistant chat bubble that says "Hi! I'm a virtual assistant. How can I help you today?". The Windows taskbar at the bottom shows the time as 00:56 on 19-11-2022.

127.0.0.1:5000/addCategory

Expense Tracker

Dashboard

My Expenses

Limiting Expenses

### Add Category

Create a new category

Category Name: FOOD

Set Limit: 5000

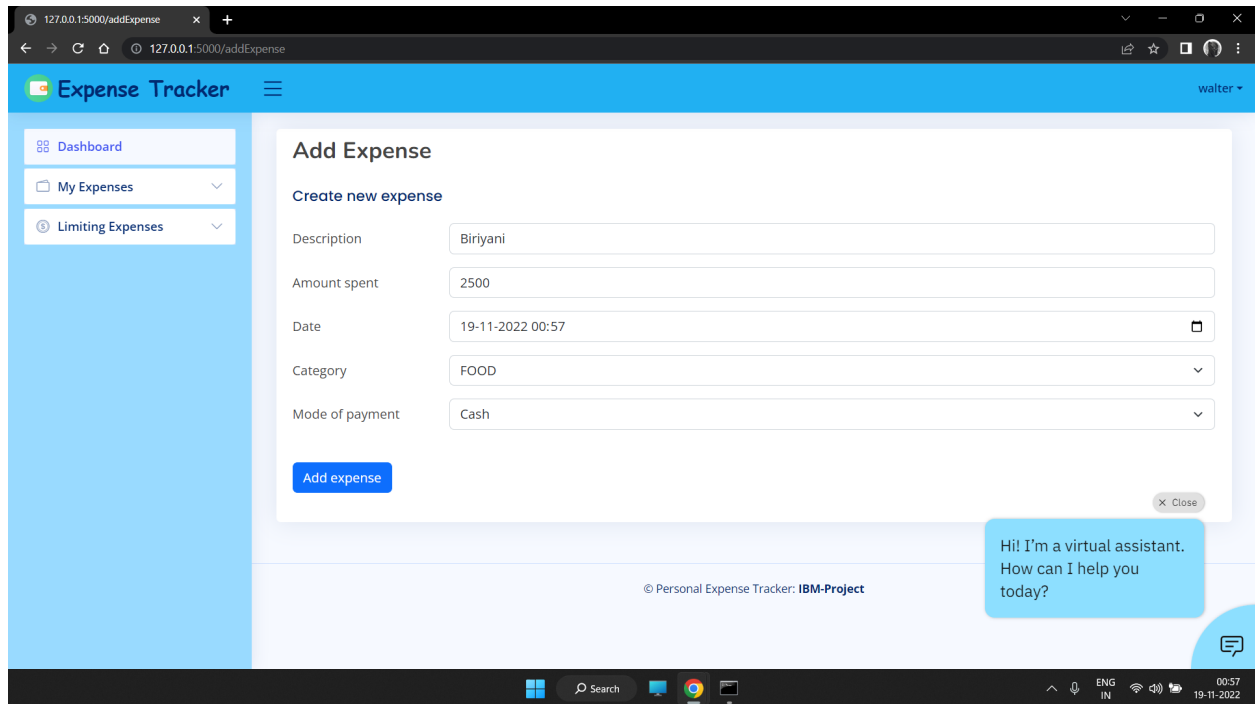
Description: Food items.

Add category

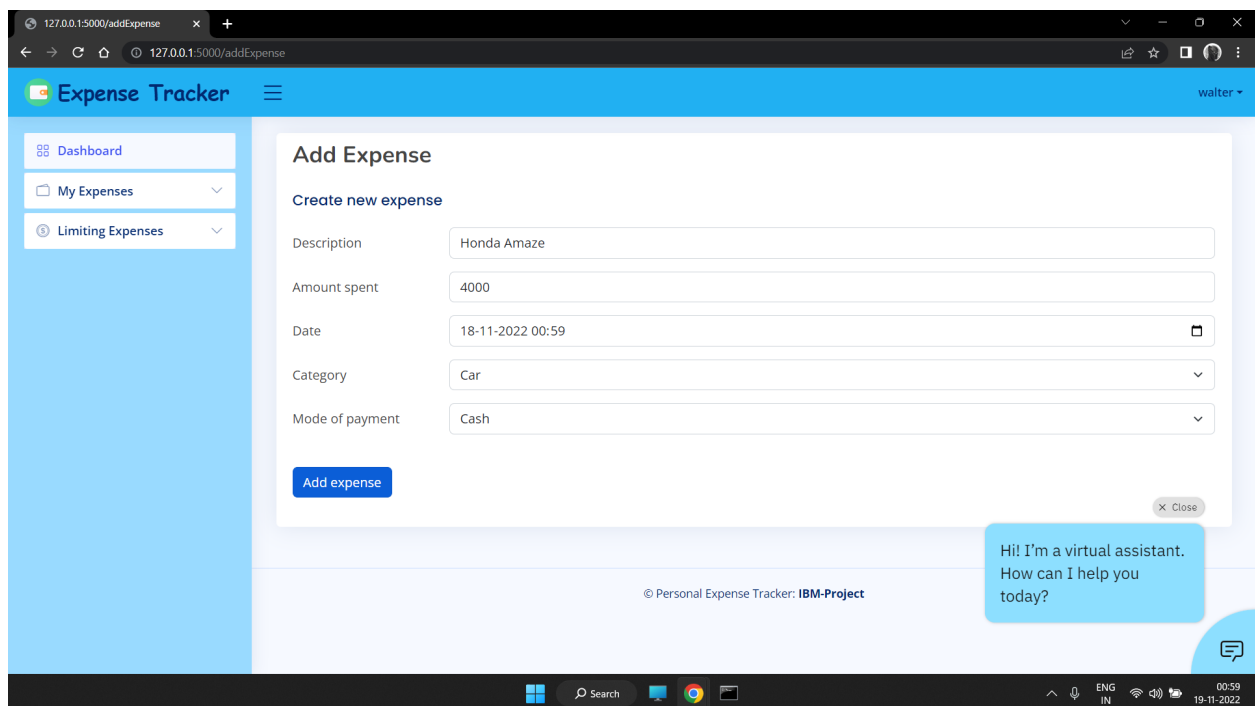
© Personal Expense Tracker: IBM-Project

Hi! I'm a virtual assistant. How can I help you today?

00:56 19-11-2022



## Adding the expense



Expense Tracker

Dashboard

My Expenses

Limiting Expenses

### Add Expense

Create new expense

Description: Kawasaki

Amount spent: 3499

Date: 24-09-2022 01:00

Category: Bike

Mode of payment: Cash

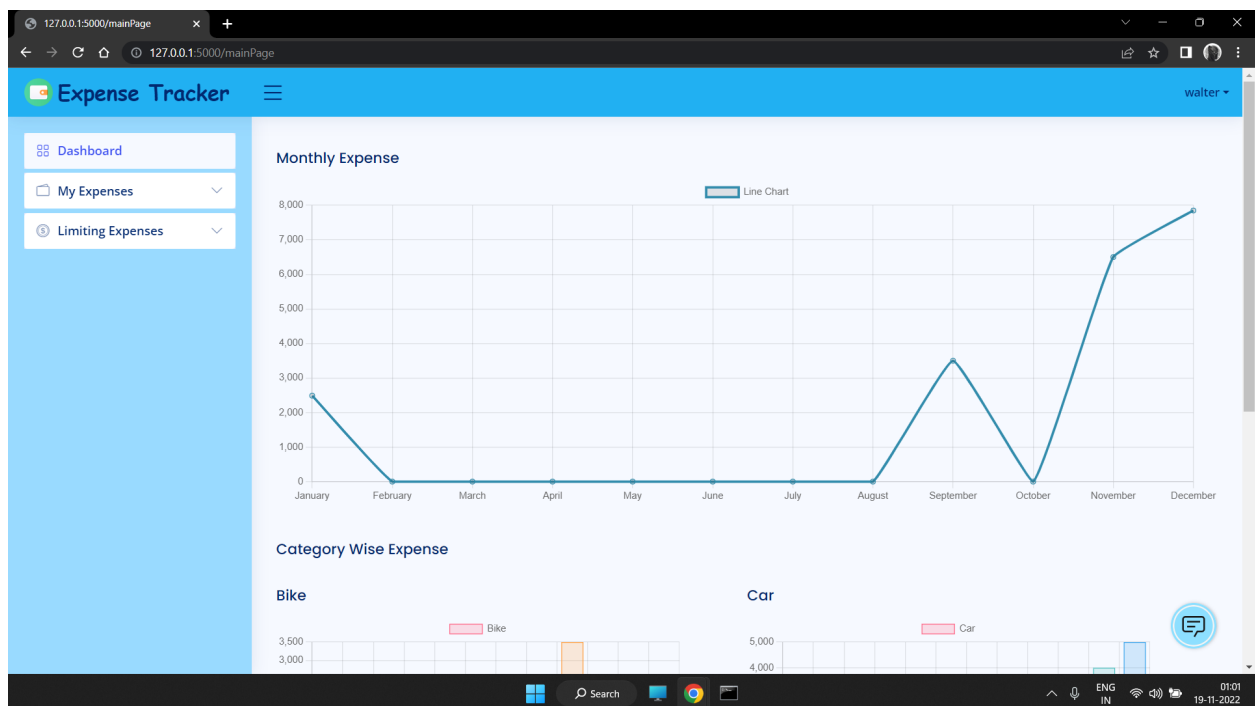
Add expense

Close

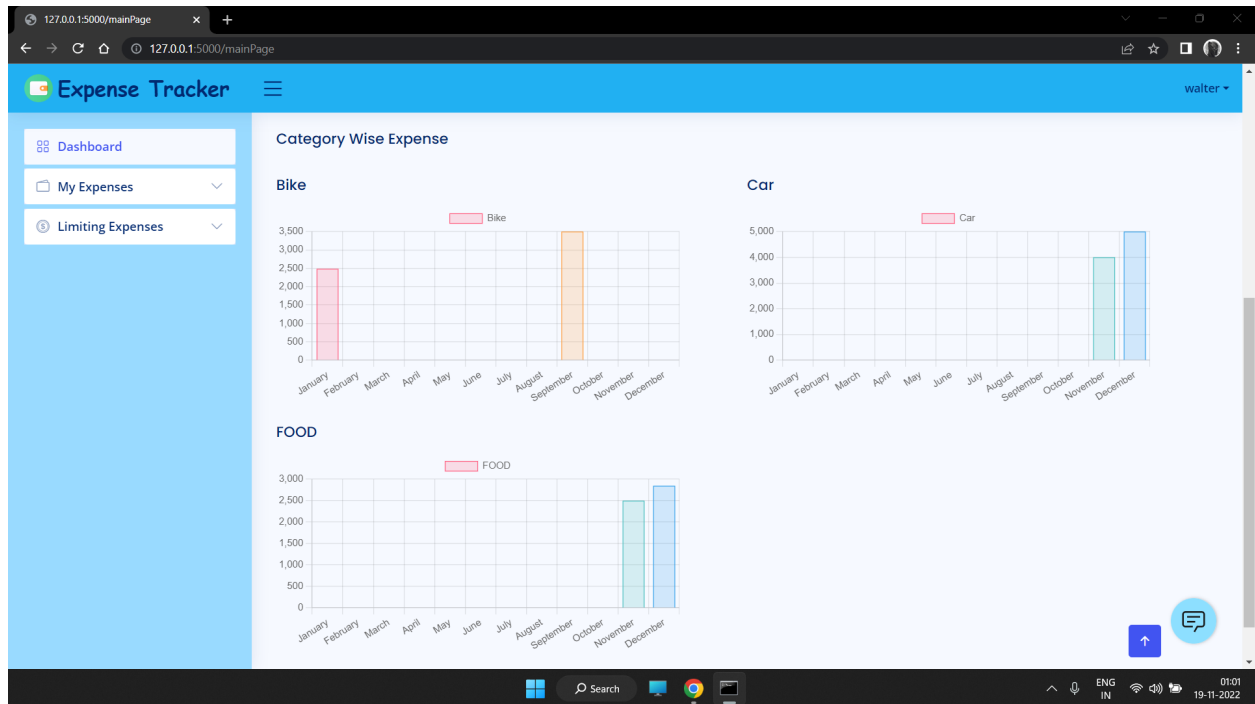
Hi! I'm a virtual assistant. How can I help you today?

© Personal Expense Tracker: IBM-Project

## Monthly expense



## Monthly expense with category



## Viewing the history

Expense Tracker

Category	Date	Description	Mode of payment	Amount
FOOD		Biryani	Cash	2500.0
FOOD		Idli	Cash	2849.0
Car		Honda Amaze	Cash	4000.0
Car		Audi	Cash	4999.0
Bike		Kawasaki	Cash	3499.0
Bike		CBR	Cash	2487.0

© Personal Expense Tracker: IBM-Project

127.0.0.1:5000/viewHistory

## User Database

IBM Db2 on Cloud									
	Load Data	Load History	Tables	Views	Indexes	Aliases	MQTs	Sequences	Application objects
KVP44692.USER									
USERID	USERNAME	EMAIL	PHONENO	WALLETID	CURRENTSAVINGS	COUNTRY	CURRENCY	TARGETDESC	
3EDVkJzzU2H2oAmsk7taTtwakGrf40NK	abc	abc@gmail.com		WIDLXnfcw0cP3PM32XLBWl4Z3R4iCFEY2zn	0.0	INDIA	RUPEES		
Npy6mFytx40fBssbDnsC5NIwg8qIXNbf	bootsakka	boots@gmail.com		WID87TUPnxuyoKoDonMYvuF68ZTd8CYK3n	0.0	INDIA	RUPEES		
QV22RuDQo62hLe1wUP8isi8aEZIUk704	walter	walter@gmail.com		WIDHzUmfk0gVaHVpMnEBK6EppLFVoN7HXS	0.0	INDIA	RUPEES		
cpYd3hiKRSmG0gijKWBYRRtHgV09EF	vs	vs@gmail.com		WIDSX50pkgRyY3Rhm1f8Mw9KciK3WptJE5	0.0	INDIA	RUPEES		

Category Database

IBM Db2 on Cloud									
	Load Data	Load History	Tables	Views	Indexes	Aliases	MQTs	Sequences	Application objects
KVP44692.CATEGORY									
USERID	LIMIT	DESCRIPTION	BALANCE	CATEGORYNAME					
3EDVkJzzU2H2oAmsk7taTtwakGrf40NK	1068.0	food expense	0.0	food					
3EDVkJzzU2H2oAmsk7taTtwakGrf40NK	5000.0	emi	0.0	bike					
3EDVkJzzU2H2oAmsk7taTtwakGrf40NK	5000.0	emi	0.0	bike					
EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dl	5000.0	Paal Bill	0.0	Mama					
EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dl	5000.0	For bike emis	0.0	EMI					
EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dl	5000.0	For all kinds of rent	0.0	Rent					
EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dl	5000.0	Momos	0.0	Food					
QV22RuDQo62hLe1wUP8isi8aEZIUk704	5000.0	Food items.	0.0	FOOD					
QV22RuDQo62hLe1wUP8isi8aEZIUk704	5000.0	Four wheeler	0.0	Car					
QV22RuDQo62hLe1wUP8isi8aEZIUk704	5000.0	Vehicles	0.0	Bike					

Expense Database

IBM Db2 on Cloud									
Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects									
KVP44692.EXPENSE									
Export to CSV									
CATEGORY	AMOUNT	MODEOFPAYMENT	DESCRIPTION	USERID	EXPENSEID	SPENTONDATE	ADDONDATE		
Bike	3499.0	Cash	Kawasaki	QV22RuDQo62hLe1wUP8isI8aEZIUk704	EXPFLQtC8lHx8JWhnY4A2w3JwUuFOGrw1Tg	2022-09-24 01:00:00.0	2022-11-19 01:00:14.280803		
Bike	2487.0	Cash	CBR	QV22RuDQo62hLe1wUP8isI8aEZIUk704	EXP8GnmfREw0ZhsTra9EAic6x6qV5SH593I	2023-01-05 01:00:00.0	2022-11-19 01:00:38.380358		
Car	4000.0	Cash	Honda Amaze	QV22RuDQo62hLe1wUP8isI8aEZIUk704	EXPedNmHzNaSeFfmAoRxnY3ZDB02n0YewLY	2022-11-18 00:59:00.0	2022-11-19 00:59:18.225058		
Car	4999.0	Cash	Audi	QV22RuDQo62hLe1wUP8isI8aEZIUk704	EXPri6E9OrzEfp2uvMrAbtVR5v9PwLsQ2Re	2022-12-16 00:59:00.0	2022-11-19 00:59:47.910913		
EMI	10000.0	Cash	Emi Bike	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXP60FcMhuykfkVhOD9wXc3mPGbkF9ehi23	2022-11-25 14:36:00.0	2022-11-18 14:38:55.866535		
FOOD	2500.0	Cash	Biriyani	QV22RuDQo62hLe1wUP8isI8aEZIUk704	EXP5Y3gvlosRhVPRdFrtmeCreKMILxJ3SIL	2022-11-19 00:57:00.0	2022-11-19 00:57:51.804997		
FOOD	2849.0	Cash	Idli	QV22RuDQo62hLe1wUP8isI8aEZIUk704	EXPkhvWREqhH97Eq1RTFMUDzXZYUAW1qLf h	2022-12-23 00:58:00.0	2022-11-19 00:58:14.395741		
Food	150.0	Card	Milk	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXPd1SZFVPYVG1BVCmYr9pNodJPgk5NxU	2022-11-18 13:00:00.0	2022-11-18 13:03:45.132192		
Food	300.0	Cash	blabla	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXP0KU8cSDrvYWKYHKQJW8TxP6EMXmrKNZ x	2022-01-18 22:04:00.0	2022-11-18 22:03:48.807008		
Food	5.0	Cash	Kurkure	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXPyIJR6UvCMX57uN0JIOCEIhmeIJf4dWkY	2022-12-18 15:30:00.0	2022-11-18 15:29:11.024313		

IBM Db2 on Cloud									
Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects									
KVP44692.EXPENSE									
Export to CSV									
CATEGORY	AMOUNT	MODEOFPAYMENT	DESCRIPTION	USERID	EXPENSEID	SPENTONDATE	ADDONDATE		
FOOD	2849.0	Cash	Idli	QV22RuDQo62hLe1wUP8isI8aEZIUk704	EXPkhvWREqhH97Eq1RTFMUDzXZYUAW1qLf h	2022-12-23 00:58:00.0	2022-11-19 00:58:14.395741		
Food	150.0	Card	Milk	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXPd1SZFVPYVG1BVCmYr9pNodJPgk5NxU	2022-11-18 13:00:00.0	2022-11-18 13:03:45.132192		
Food	300.0	Cash	blabla	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXP0KU8cSDrvYWKYHKQJW8TxP6EMXmrKNZ x	2022-01-18 22:04:00.0	2022-11-18 22:03:48.807008		
Food	5.0	Cash	Kurkure	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXPyIJR6UvCMX57uN0JIOCEIhmeIJf4dWkY	2022-12-18 15:30:00.0	2022-11-18 15:29:11.024313		
Food	300.0	Cash	Juice	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXPyWb9SxzR2gSLIVyqgmWawU7FENN1ws	2022-11-19 14:35:00.0	2022-11-18 14:35:56.436203		
Food	20.0	Cash	Kadalai	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXPucBTAMpWicoeInWmA9WXXOY0czjmiesj	2022-10-18 15:30:00.0	2022-11-18 15:28:49.67593		
Rent	20000.0	Card	Rent T Nagar	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXPhtDmusklLdLmPdq8385WeGaVEFHRWeb9 U	2022-11-18 14:40:00.0	2022-11-18 14:34:46.506561		
Rent	10000.0	Cash	Rent	EdCjQX5oZ6LMdSuitw33eGGXoEUAY6dI	EXPcXtWC77pf92qMnpXTiou7cOwmA8V5zC	2022-02-18 22:09:00.0	2022-11-18 22:09:13.387622		
food	150.0	Cash	biriyani	3EDV/KUzzU2H2oAmsk7taTtwakGrf40N K	EXPXBvj2ZzfQ0YA9rz5IBGMC3VA9qNWLqRi	2022-11-18 22:40:00.0	2022-11-18 22:40:11.70534		
food	4000.0	Cash	honda	3EDV/KUzzU2H2oAmsk7taTtwakGrf40N K	EXPpk1GbuBewjPHIAKR8Dg1KxNPY3FOIFe8	2022-12-16 22:40:00.0	2022-11-18 22:40:29.666753		