TRƯỜNG ĐẠI HỌC QUỐC GIA THÀNH PHÓ HÒ CHÍ MINH TRƯỜNG ĐẠI HỌC KHOA HỌC TỰ NHIÊN



|Bảng kế hoạch| Report Test management tools

|Thành viên|

20120573 - Nguyễn Phú Tân 20120560 _ Cao Đinh Quí 20120542 _ Trịnh Thị Tuyết Nhung 20120590 _ Nguyễn Trọng Thuận

Thành phố Hồ Chí Minh, 23 tháng 10 năm 2023

MÚC LÝC

1. C	Công cụ sứ dụng:	3
2. T	ao dữ liệu kiểm thử:	3
2.1	. Chức năng Create new asset account:	3
2.2	2. Chức năng Create new expense account:	3
2.3	8. Chức năng Create new transaction – Withdrawals:	4
2.4	l. Chức năng Create new transaction – Transfer:	4
2.5	5. Chức năng Create new category:	5
2.6	6. Chức năng Create new budget:	6
2.7	7. Chức năng Create new bill:	7
2.8	3. Chức năng Create new liability:	8

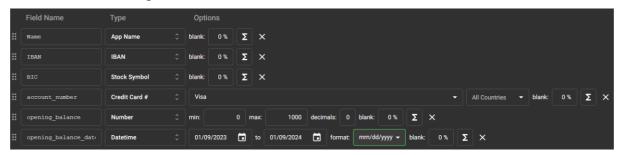
1. Công cụ sử dụng:

- Công cụ: mockaroo
- Link: https://www.mockaroo.com/
- Mô tả: Mockaroo là một dịch vụ trực tuyến cung cấp dữ liệu giả mạo để sử dụng trong quá trình phát triển, kiểm thử và xây dựng ứng dụng. Nó giúp người phát triển tạo ra dữ liệu mẫu có cấu trúc và độ chân thực để thử nghiệm tính năng và hiệu suất của ứng dụng mà không cần sử dụng dữ liệu thực từ sản phẩm hoặc nguồn dữ liệu thật. Mockaroo hỗ trợ tạo ra đa dạng loại dữ liệu như chuỗi, số, ngày tháng, địa chỉ email, và nhiều loại khác.

2. Tạo dữ liệu kiểm thử:

2.1. Chức năng Create new asset account:

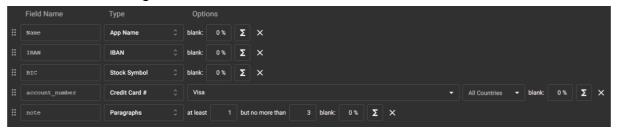
Data design:

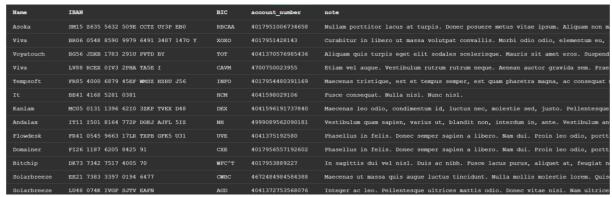


Test data:

Name	IBAN	BIC	account_number	opening_balance	opening_balance_date
Lotlux	PL70 3812 1940 0050 8302 5307 4186	DEST	4041591467691	345	03/28/2023
Mat Lam Tam	BA78 4785 7826 7792 7682	CFO	4041590323055379	565	04/29/2023
Matsoft	FR27 5852 7681 72BE GLJ0 M6ZJ F61	WINA	4041594515900	181	05/05/2023
Aerified	PS53 BBIS VUVB 9WGO 4ZGE LOZE TZKS V	NR	4017950883884	409	09/18/2023
Zaam-Dox	RS73 3752 5377 6723 1182 75	six	4041375499304573	153	12/18/2023
Zathin	FR91 2204 9532 88RU WX35 G4Y0 X04	PFIE	4017951667914	1000	10/05/2023
Sub-Ex	MU12 LMEC 3815 3241 6706 5970 3100 BA	DSXN	4041370068622539	761	03/31/2023
Tempsoft	MT91 RAGZ 8875 9PDY FZCC 41WE WR06 UFC	IDE	4041593701660877	509	02/02/2023
Sonair	FR58 0037 3501 97XD NII6 14QI C09	BKS	4017959038589743	886	07/05/2023
Opela	DE91 8344 2820 3492 6109 22	CLI	4017956414338	424	09/11/2023
Ronstring	AZ22 XDHQ S12T YGBK NOAH FLNT YEJQ	HSIC	4041591231915	378	06/13/2023
Opela	GB35 TXXT 2129 6297 5521 78	BANR	4017959521469	776	11/19/2023
Fintone	FR42 2073 3248 63E3 V1S7 UXDU 274	IVR	4041377028634	482	05/12/2023

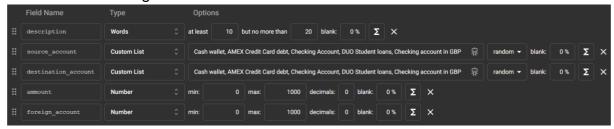
2.2. Chức năng Create new expense account:





2.3. Chức năng Create new transaction - Withdrawals:

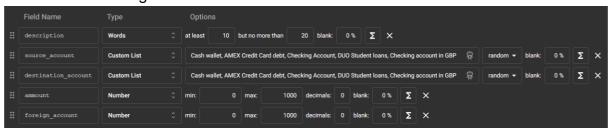
Data design:



Test data:

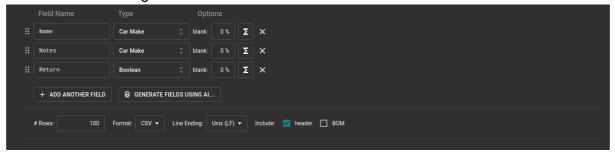
description	source_account	destination_account	ammount	foreign_account
vestibulum vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia	Checking account in GBP	Checking account in GBP	491	502
orci vehicula condimentum curabitur in libero ut massa volutpat convallis morbi odio odio elementum eu interdum eu tincidunt	Checking account in GBP	Checking account in GBP	547	87
eros suspendisse accumsan tortor quis turpis sed ante vivamus tortor duis mattis egestas metus aenean fermentum	Checking account in GBP	AMEX Credit Card debt	256	990
morbi sem mauris laoreet ut rhoncus aliquet pulvinar sed nisl nunc rhoncus dui vel sem sed sagittis nam congue	Cash wallet	AMEX Credit Card debt	897	496
in lectus pellentesque at nulla suspendisse potenti cras in purus eu	Checking account in GBP	Checking Account	826	115
erat curabitur gravida nisi at nibh in hac habitasse platea	Cash wallet	AMEX Credit Card debt	500	956
dictumst morbi vestibulum velit id pretium iaculis diam erat fermentum justo nec	Checking Account	Checking account in GBP	880	438
molestie nibh in lectus pellentesque at nulla suspendisse potenti cras in	Checking Account	DUO Student loans	831	26
erat quisque erat eros viverra eget congue eget semper rutrum nulla nunc purus phasellus in felis donec	DUO Student loans	AMEX Credit Card debt	871	628
fusce consequat nulla nisl nunc nisl duis bibendum felis sed interdum venenatis turpis enim blandit mi in porttitor pede	Checking account in GBP	AMEX Credit Card debt	751	100
primis in faucibus orci luctus et ultrices posuere cubilia curae mauris viverra diam vitae quam suspendisse potenti nullam	Checking Account	AMEX Credit Card debt	476	377
lacus purus aliquet at feugiat non pretium quis lectus suspendisse potenti in eleifend quam a odio in hac habitasse platea	Checking Account	AMEX Credit Card debt	988	669
semper interdum mauris ullamcorper purus sit amet nulla quisque arcu libero rutrum ac lobortis	DUO Student loans	Checking account in GBP	513	68
enim in tempor turpis nec euismod scelerisque quam turpis adipiscing lorem vitae mattis nibh ligula	DUO Student loans	Checking Account	836	644
non mauris morbi non lectus aliquam sit amet diam in magna bibendum	AMEX Credit Card debt	AMEX Credit Card debt	477	754
in est risus auctor sed tristique in tempus sit amet sem fusce consequat nulla nisl nunc nisl duis bibendum felis	DUO Student loans	Checking account in GBP	888	869
eleifend luctus ultricies eu nibh quisque id justo sit amet sapien	DUO Student loans	DUO Student loans	262	176
mauris lacinia sapien quis libero nullam sit amet turpis elementum ligula vehicula consequat morbi a ipsum integer	DUO Student loans	Cash wallet	353	592
id lobortis convallis tortor risus dapibus augue vel accumsan tellus nisi eu orci mauris lacinia sapien quis libero	Checking account in GBP	AMEX Credit Card debt	866	939
elit proin interdum mauris non ligula pellentesque ultrices phasellus id sapien in	Cash wallet	Cash wallet	452	308

2.4. Chức năng Create new transaction – Transfer:



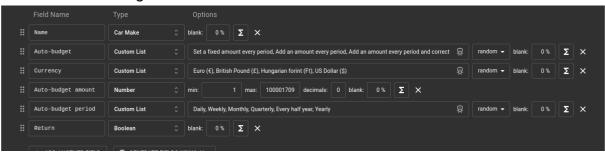
description.		destination account		f
description	source_account	destination_account		foreign_account
rutrum nulla tellus in sagittis dui vel nisl duis ac	Checking Account	Checking account in GBP		
nisi nunc rhoncus dui vel sem sed sagittis nam congue risus semper porta	Checking account in GBP	Cash wallet	658	
diam neque vestibulum eget vulputate ut ultrices vel augue vestibulum ante ipsum primis in faucibus orci luctus	Cash wallet	Checking account in GBP	382	383
odio consequat varius integer ac leo pellentesque ultrices mattis odio donec vitae nisi nam ultrices libero non mattis	Checking Account	DUO Student loans	855	552
lorem quisque ut erat curabitur gravida nisi at nibh in hac habitasse platea dictumst aliquam augue quam sollicitudin vitae consectetuer	DUO Student loans	DUO Student loans	708	873
morbi vestibulum velit id pretium iaculis diam erat fermentum justo nec condimentum neque sapien placerat ante nulla justo	Checking account in GBP	AMEX Credit Card debt	919	879
orci eget orci vehicula condimentum curabitur in libero ut massa volutpat convallis morbi odio	Checking Account	Checking account in GBP	959	294
est quam pharetra magna ac consequat metus sapien ut nunc vestibulum ante ipsum primis in faucibus orci luctus	Checking account in GBP	Checking account in GBP	885	895
magna vestibulum aliquet ultrices erat tortor sollicitudin mi sit amet lobortis sapien sapien non mi integer ac neque	AMEX Credit Card debt	DUO Student loans	481	45
ultrices libero non mattis pulvinar nulla pede ullamcorper augue a suscipit	Cash wallet	AMEX Credit Card debt	860	808
libero non mattis pulvinar nulla pede ullamcorper augue a suscipit nulla elit ac nulla sed vel enim	Checking account in GBP	Checking Account	973	868
neque duis bibendum morbi non quam nec dui luctus rutrum nulla tellus	Checking Account	Checking account in GBP	711	156
vulputate ut ultrices vel augue vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere	Checking Account	DUO Student loans	720	978
curae donec pharetra magna vestibulum aliquet ultrices erat tortor sollicitudin mi sit	Checking Account	Checking Account	723	123
nunc donec quis orci eget orci vehicula condimentum curabitur in libero ut massa volutpat convallis	AMEX Credit Card debt	AMEX Credit Card debt	982	772
curabitur at ipsum ac tellus semper interdum mauris ullamcorper purus sit amet	Checking Account	Checking account in GBP	640	442
pede venenatis non sodales sed tincidunt eu felis fusce posuere felis	Checking account in GBP	Checking account in GBP	823	661
eleifend donec ut dolor morbi vel lectus in quam fringilla rhoncus mauris enim leo rhoncus sed vestibulum sit amet	DUO Student loans	Cash wallet	484	303
curabitur gravida nisi at nibh in hac habitasse platea dictumst aliquam augue quam sollicitudin vitae	Cash wallet	AMEX Credit Card debt	994	699
turpis enim blandit mi in porttitor pede justo eu massa donec dapibus duis at velit eu	Checking Account	Checking account in GBP	36	226

2.5. Chức năng Create new category:



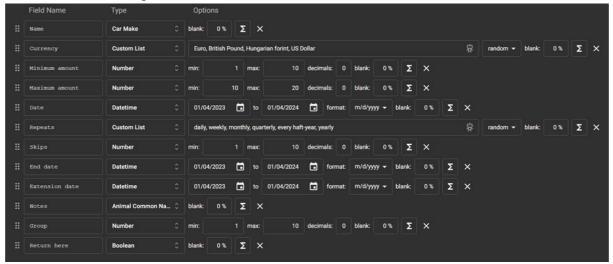
Name	Notes	Return
Infiniti	GMC	false
Lotus	Kia	false
Buick	Chevrolet	true
Volkswage	Chevrolet	false
Pontiac	Mitsubishi	true
Suzuki	Dodge	false
Mitsubishi	Chevrolet	true
Ford	Saab	true
Chevrolet	Lexus	true
Saab	Ford	false
Toyota	Chrysler	false
Lincoln	Suzuki	false
Dodge	MINI	false
Lexus	Chevrolet	true
GMC	Nissan	true
Nissan	Spyker	false
Chevrolet	Infiniti	false
Honda	Oldsmobile	false
Mazda	Chevrolet	true
GMC	Toyota	true
BMW	Lexus	true
GMC	Chevrolet	true
Dodge	Pontiac	false
Pontiac	Volvo	true
Aston Mar	GMC	false
Buick	Saturn	false
Dodge	Audi	false
Subaru	Lexus	false

2.6. Chức năng Create new budget:



	-	_	_	_	
Name	Auto-budget	Currency	Auto-budget amount	Auto-budget period	Return
Mazda	Add an amount every period	US Dollar (\$)	313608	Quarterly	false
Chevrolet	Set a fixed amount every period	US Dollar (\$)	330017	Daily	true
Porsche	Add an amount every period and correct for overspending	Hungarian forint (Ft)	2640095	Every half year	false
Mercedes-Benz	Add an amount every period	US Dollar (\$)	49523283	Weekly	false
Ford	Add an amount every period and correct for overspending	US Dollar (\$)	8263579	Monthly	false
Nissan	Add an amount every period and correct for overspending	British Pound (£)	51352539	Every half year	true
Lexus	Set a fixed amount every period	US Dollar (\$)	44699362	Yearly	false
Dodge	Set a fixed amount every period	US Dollar (\$)	81039686	Weekly	false
Chevrolet	Add an amount every period	British Pound (£)	75770598	Monthly	false
Toyota	Add an amount every period	Euro (€)	78412131	Monthly	true
Ford	Add an amount every period	US Dollar (\$)	86871099	Yearly	false
Volkswagen	Add an amount every period and correct for overspending	British Pound (£)	90182453	Yearly	true
Chrysler	Add an amount every period and correct for overspending	British Pound (£)	42742672	Quarterly	true
Pontiac	Add an amount every period	Hungarian forint (Ft)	25584374	Daily	true
Toyota	Add an amount every period	Hungarian forint (Ft)	88855232	Every half year	false
Buick	Add an amount every period and correct for overspending	Euro (€)	44550849	Quarterly	false
Subaru	Add an amount every period and correct for overspending	US Dollar (\$)	29476659	Every half year	false
Lamborghini	Add an amount every period	Euro (€)	45313913	Quarterly	true
Mitsubishi	Add an amount every period and correct for overspending	Euro (€)	18203278	Daily	true
Suzuki	Add an amount every period	Euro (€)	23017939	Daily	true
Ford	Set a fixed amount every period	British Pound (£)	66810031	Weekly	true
Hyundai	Set a fixed amount every period	British Pound (£)	88895124	Yearly	true
Mercury	Add an amount every period	Hungarian forint (Ft)	96721209	Weekly	false
Chevrolet	Set a fixed amount every period	Euro (€)	69403599	Quarterly	true
GMC	Add an amount every period and correct for overspending	Euro (€)	32847062	Yearly	true
GMC	Add an amount every period and correct for overspending	US Dollar (\$)	35445856	Weekly	false
Cadillac	Add an amount every period	Hungarian forint (Ft)	32071136	Weekly	false
Ford	Add an amount every period	Euro (€)	10839173	Every half year	true

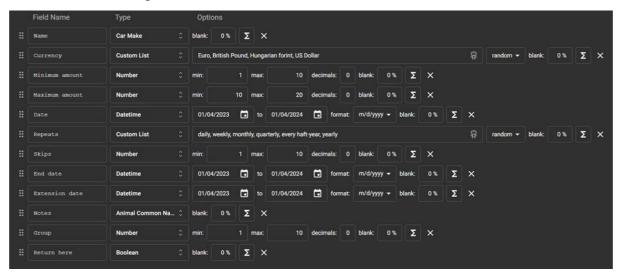
2.7. Chức năng Create new bill:



Name	Currency	Minimum amount Maximum an	nou Date	Repeats	Skips End date	Extension date	Notes	Group	Return here
Land Rover	US Dollar	2	18 2/11/2023	weekly	7 4/3/2023	5/28/2023	Kongoni	4	TRUE
GMC	Euro	5	20 12/21/2023	every haft-yea	10 11/24/2023	12/16/2023	Gorilla, western lowland	4	TRUE
Subaru	British Pound	7	16 4/11/2023	daily	9 2/9/2023	7/4/2023	Indian peacock	9	TRUE
Ford	Euro	3	20 12/28/2023	every haft-yea	2 7/7/2023	4/6/2023	Mule deer	10	FALSE
Nissan	US Dollar	7	13 7/6/2023	every haft-yea	8 1/25/2023	3/13/2023	Blacksmith plover	9	FALSE
Chrysler	Hungarian fori	6	15 6/29/2023	daily	2 5/28/2023	7/14/2023	Otter, canadian river	10	FALSE
Toyota	Hungarian fori	1	18 11/15/2023	quarterly	1 11/13/2023	6/15/2023	Kangaroo, jungle	7	FALSE
Nissan	Hungarian fori	10	11 12/13/2023	weekly	7 12/14/2023	10/16/2023	Dabchick	10	FALSE
Mercury	US Dollar	3	17 1/8/2023	weekly	1 6/18/2023	5/19/2023	Yellow-brown sungazer	5	FALSE
Ford	US Dollar	8	17 2/5/2023	yearly	2 3/5/2023	4/26/2023	Cormorant, little	9	TRUE
Hummer	US Dollar	2	11 4/19/2023	monthly	1 2/19/2023	7/28/2023	Quoll, spotted-tailed	4	FALSE
Dodge	US Dollar	7	11 12/6/2023	weekly	1 2/20/2023	7/7/2023	Jaguar	10	TRUE
Subaru	Hungarian fori	2	14 2/27/2023	quarterly	8 10/23/2023	10/31/2023	Southern right whale	6	FALSE
Mercedes-Ber	US Dollar	6	13 4/9/2023	quarterly	8 2/24/2023	12/1/2023	Eastern fox squirrel	1	FALSE
Ford	US Dollar	6	10 10/23/2023	daily	1 12/25/2023	1/20/2023	Fox, pampa gray	5	FALSE
Mercedes-Ber	US Dollar	3	11 12/8/2023	daily	2 9/9/2023	6/4/2023	Snake, racer	5	FALSE
Nissan	British Pound	10	12 12/22/2023	weekly	4 12/1/2023	12/31/2023	Tarantula, salmon pink bird eater	9	FALSE
Dodge	US Dollar	3	16 3/25/2023	yearly	3 10/17/2023	4/1/2023	Fox, north american red	9	FALSE
Jeep	Euro	4	19 9/27/2023	monthly	3 3/1/2023	7/26/2023	Shelduck, european	3	TRUE
Mercedes-Ber	US Dollar	9	14 8/30/2023	yearly	5 4/25/2023	3/13/2023	Dassie	9	FALSE
Mitsubishi	Euro	3	13 1/7/2023	every haft-yea	6 12/10/2023	9/20/2023	Eland, common	10	FALSE
Mazda	British Pound	7	10 1/18/2023	every haft-yea	10 7/16/2023	4/23/2023	Common zebra	5	FALSE
Audi	US Dollar	1	13 4/21/2023	every haft-yea	7 4/23/2023	2/7/2023	Bat-eared fox	7	FALSE
Toyota	Hungarian fori	1	18 5/10/2023	weekly	8 11/30/2023	9/30/2023	Silver-backed fox	7	TRUE

2.8. Chức năng Create new liability:

Data design:



Test data:

Name	Currency	Liability typ I owe amount	Liability in/out	Start date of deb	Interest Interest peri	od IBAN	BIC	Account number In	clude in net worth	Notes	Return here
ord	Euro	Loan 1	I am owed this debt	11/27/2023	3 Per month	143.129.200.52	40.15.41.210	598-395-7263	TRUE	European shelduck	TRUE
Cadillac	British Pound	Mortgage :	I owe this debt to somebody else	9/19/2023	45 Per year	27.82.91.202	248.62.11.120	868-488-5970	FALSE	Crane, wattled	TRUE
Jaguar	US Dollar	Loan 1:	I owe this debt to somebody else	2/25/2023	91 Per year	4.209.197.40	187.218.121.122	642-156-6933	FALSE	Grouse, sage	TRUE
Lincoln	Swiss franc	Loan 1	I am owed this debt	12/30/2023	82 Per year	133.76.58.114	187.211.254.143	289-142-2669	TRUE	Llama	FALSE
Chevrolet	British Pound	Mortgage 16	I owe this debt to somebody else	8/25/2023	37 Per day	239.189.88.168	126.143.121.21	259-461-3832	FALSE	Badger, american	FALSE
Porsche	Swiss franc	Loan	I owe this debt to somebody else	10/30/2023	31 Per year	54.200.56.240	208.245.199.9	888-553-7847	TRUE	Giant armadillo	FALSE
Mitsubishi	US Dollar	Mortgage	I owe this debt to somebody else	1/4/2023	90 Per day	245.20.139.123	126.79.162.119	389-783-8808	TRUE	Chipmunk, least	TRUE
Aston Martin	US Dollar	Mortgage 1:	I am owed this debt	10/24/2023	55 Per year	99.163.174.2	0.254.112.210	513-549-0132	FALSE	Little blue penguin	TRUE
Volkswagen	Swiss franc	Mortgage 1	I am owed this debt	7/9/2023	75 Per month	1.219.162.240	88.39.61.61	162-446-7863	TRUE	Galapagos albatross	FALSE
Suzuki	British Pound	Loan 1	2 I am owed this debt	2/22/2023	68 Per month	165.46.106.163	102.48.25.141	652-497-9186	FALSE	Carpet python	TRUE
Volkswagen	British Pound	Mortgage 16	I am owed this debt	1/9/2023	49 Per day	121.43.170.165	78.160.252.59	683-853-5716	TRUE	Spectacled caiman	TRUE
Buick	US Dollar	Debt 15	I am owed this debt	11/17/2023	91 Per day	41.165.96.106	18.34.115.139	959-419-2137	FALSE	Lion, asian	TRUE
Lincoln	British Pound	Debt	7 I am owed this debt	3/11/2023	56 Per year	238.226.252.107	137.241.164.29	267-566-9941	FALSE	Kafue flats lechwe	FALSE
GMC	US Dollar	Mortgage 1	I owe this debt to somebody else	9/1/2023	26 Per year	231.36.187.217	145.106.170.126	726-923-7033	FALSE	Common nighthawk	TRUE
Acura	British Pound	Debt	I owe this debt to somebody else	5/24/2023	78 Per month	95.245.185.6	241.49.178.148	629-824-3357	TRUE	Bonnet macaque	TRUE
Mitsubishi	Euro	Mortgage	I owe this debt to somebody else	6/5/2023	85 Per day	142.237.218.139	34.216.23.14	245-250-4638	TRUE	Pampa gray fox	TRUE
BMW	British Pound	Loan 1	I owe this debt to somebody else	3/18/2023	73 Per day	88.59.219.17	221.136.115.146	715-492-6849	TRUE	Ring-tailed gecko	TRUE
Buick	Swiss franc	Debt 18	I owe this debt to somebody else	11/10/2023	73 Per year	235.113.222.228	122.223.195.34	548-762-1582	FALSE	Wallaroo, common	FALSE
Nissan	British Pound	Debt 16	I am owed this debt	2/12/2023	97 Per day	170.245.232.94	237.67.128.175	719-368-9030	TRUE	Alligator, american	TRUE
Mazda	Swiss franc	Debt 15	I owe this debt to somebody else	11/13/2023	88 Per year	91.0.231.140	4.183,147,36	214-858-1739	FALSE	Dove, laughing	TRUE
Mitsubishi	Euro	Loan	3 I am owed this debt	9/20/2023	70 Per month	109.230.128.140	43.162.67.238	161-663-0431	TRUE	Tailless tenrec	FALSE
Mercedes-Be	ei British Pound	Debt	I owe this debt to somebody else	12/12/2023	92 Per day	21.82.107.241	165.24.153.142	684-995-2658	FALSE	Bare-faced go away bird	FALSE
Maserati	US Dollar	Debt	I am owed this debt	12/1/2023	46 Per month	14.110.16.212	201.222.59.96	334-515-0556	FALSE	Albatross, galapagos	TRUE
BMW	Swiss franc	Mortgage	I owe this debt to somebody else	1/20/2023	47 Per month	197.143.150.184	2.188.38.33	876-742-3451	TRUE	Porcupine, prehensile-tailed	FALSE
Hyundai	British Pound	Debt	I am owed this debt	10/14/2023	53 Per year	149.34.243.214	11.207.246.0	361-780-1158	FALSE	Deer, roe	TRUE
Chevrolet	Swiss franc	Debt	I owe this debt to somebody else	8/26/2023	21 Per year	5.77.193.125	220.179.44.30	651-635-3285	FALSE	Dolphin, common	FALSE
Pontiac	Swiss franc	Loan	I owe this debt to somebody else	5/20/2023	48 Per year	253.19.129.146	53.26.226.250	865-957-3802	TRUE	Malleefowl	FALSE
Toyota	Swiss franc	Debt 1	7 I am owed this debt	9/27/2023	19 Per month	111.200.236.96	239 201 198 240	519-980-9748	FALSE	Tortoise, galapagos	FALSE
Pontiac		Loan	I am owed this debt	12/11/2023	44 Per month	120.242.105.65	222.193.33.34	272-857-8917	TRUE	Egyptian vulture	FALSE
GMC	British Pound	Debt	I owe this debt to somebody else	7/30/2023	31 Per year	240.201.204.123	54.229.11.212	415-584-2770	TRUE	Vulture, oriental white-backed	TRUE
Mitsubishi	Euro	Mortgage	I am owed this debt	7/29/2023	82 Per year	236.238.6.7	10.59.145.142	915-953-6174	FALSE	Ring-tailed lemur	FALSE