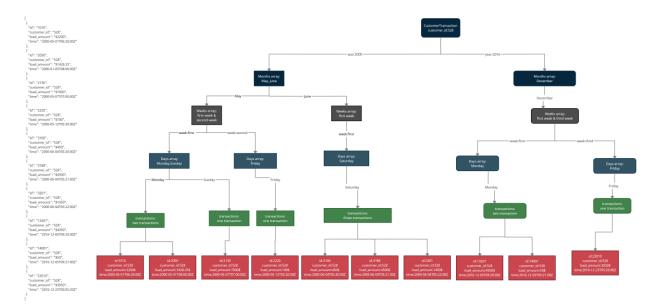
My soultion step by step:

1.Step one: read all transaction. e.g.

```
{
    id": "1010",
        "customer_id": "528",
        "load_amount": "$2200",
        "time": "2000-05-01T06:20:002"
},
{
    id": "2050",
        "customer_id": "528",
        "load_amount": "$1428.25",
        "time": "2000-01-05T08:00:002"
},
{
    id": "2130",
        "customer_id": "528",
        "load_amount": "$7000",
        "time": "2000-05-07T07:00:002"
},
{
    id": "2220",
        "customer_id": "528",
        "load_amount": "$100",
        "time": "2000-05-12T05:22:002"
},
{
    id": "3100",
        "customer_id": "528",
        "load_amount": "$450",
        "time": "2000-06-04T05:20:002"
},
{
    id": "3188",
        "customer_id": "528",
        "load_amount": "$4500",
        "time": "2000-06-04T05:21:002"
},
{
    id": "3201",
        "customer_id": "528",
        "load_amount": "$4550",
        "time": "2000-06-04T05:21:002"
},
{
    id": "3201",
        "customer_id": "5288",
        "load_amount": "$1450",
        "time": "2000-06-04T05:22:002"
},
```

```
{
   "id": "13201",
   "customer_id": "528",
   "load_amount": "$4350",
   "itme": "2016-12-05T09:20:002"
},
{
   "id": "14001",
   "customer_id": "528",
   "load_amount": "$50",
   "time": "2016-12-05T09:21:002"
},
{
   "id": "22010",
   "customer_id": "528",
   "load_amount": "$3050",
   "time": "2016-12-23T00:05:202"
}
{
   "id": "52010",
   "customer_id": "876",
   "load_amount": "$250",
   "time": "2017-10-23T00:05:202"
},
{
}
{
...
}
}
```

2.Step two: create a tree per customer base on above transactions. e.g.



- 3.Step three: evaluate all tree (tree = customer transactions) base on vilocity limits.
- 4.Last step: print all transaction with status that shows every transaction is accepted or not

Runs commands:

- 1. run test: Jest framework : npx jest / npx jest --coverage
- 2. compile typescripts to js: tsc app.ts --watch
- 3. run app: app.js run to show output (transactionResponse): nodemon app.js

RUNS test/handler/tree_node/transaction/nodeHandler/transaction_node_handler.test.ts PASS test/validation/transactin_nodevalidator.test.ts test/handler/transaction_handler/transaction.test.ts test/evaluator/transactionRequest/evaluator.test.ts					
File	% Stmts	 % Branch 	 % Funcs 	 % Lines 	 Uncovere
All files	95.36	90	85.56	95.8	
evaluator/transactionRequest	100	100	90.91	100	i
evaluator.js	100	100	90.91	100	i
handler/transactionHandler	100	100	92.86	100	i
transaction.js	100	100	92.86	100	i
handler/tree node/transaction/inquiry	100	100	91.67	100	i
inquiryCustomerTransaction.js	100	100	91.67	100	i
handler/tree_node/transaction/nodeHandler	72.41	100	50	72.41	i
TransactionNodeHandler.js	72.41	100	50	72.41	14-15,18
handler/tree_node/transaction/tree	89.29	75	80	88.89	į
customerTransactionHandler.js	89.29	75	80	88.89	20,22,26
models/common	100	100	100	100	
dateTimeParts.js	100	100	100	100	i
models/transaction	87.88	57.14	83.33	93.55	i
transaction.js	100	100	100	100	ĺ
transactionRequest.js	80	57.14	75	88.89	5-6
transactionResponse.js	100	100	100	100	
models/tree-transaction_viewmodel	100	100	100	100	ĺ
customerTransaction.js	100	100	100	100	ĺ
dailyTransaction.js	100	100	100	100	ĺ
monthlyTransaction.js	100	100	100	100	
weeklyTransaction.js	100	100	100	100	ĺ
yearlyTransaction.js	100	100	100	100	
setting/transaction-error	100	100	100	100	
errors.js	100	100	100	100	
setting/velocity	100	100	100	100	
limits_config.js	100	100	100	100	l
utility	95.24	50	66.67	95.24	
dateTimeUtility.js	95.24	50	66.67	95.24	12
validation	100	100	84.62	100	
transactin_nodevalidator.js	100	100	90	100	
validatorDataSrc.js	100	100	66.67	100	
Test Suites: 7 passed, 7 total Tests: 45 passed, 45 total Snapshots: 0 total					