UserModel
1. name: str
2. role: admin | boss |
developer | manager |
accounter

TaskModel:
1. description: str
2. status: open | completed
3. assignee: UserModel
4. assign_fee: number
5. complete_fee: number
6. created_at: Date

AccountModel:
1. id: str
2. created_at: Date
2. owner: User
3. amount: number

BalanceModel:
1. account:
AccountModel
2. date: Date
3. amount:
number

TransactionModel:
1. id: str
2. account: AccountModel
2. created_at: Date
3. amount: number
4. type: task_assigned |
task_completed,
money_withdrawn

Task Tracker

Roles:
1. admin
2. boss
3. developer
4. manager
5. accounter

Dashboards:
1. Task Tracker
2. Accounting
3. Analytics

Permissions:
1. CreateTask: any
2. AssignTasks:
manager | admin
3. ListAssignedTasks:
any
4. CompleteTask: any

When CreateTask
Assignee is a random user and is !manager &&
!admin
assign_fee = rand(10..20)
close_fee = rand(20..40)

When AssignTasks
Then
each open tasks is reassigned to a random
User (!manager && !admin)

When AssignTask
Task.assignee is changed to a random User
Assignee charged with Task.assign_fee

When ListAssignedTasks
Then list tasks assigned to current User

When CompleteTask
Then set Task.status to completed
Assignee paid with Task.complete_fee

Accounting

ListAccounts

ListTransactions

Permissions:
1. ListTransactions: any
2. GetBalance: any
3. GetMoneyEarned: admin | accounter

GetMoneyEarned

sum(assigned task fee) -
sum(completed task amount)

WithdrawMoney
- Sum Payments Per Day
- Send Report
+ Transaction (to zero)

GetBalance
Show balance for day

Analyitics

Permissions:
1. GetMoneyEarned: admin
2. CountUsersWithNegativeBalance: admin
3. ShowTasksStats: admin

GetMoneyEarned

sum(assigned task fee) -
sum(completed task amount)

CountUsersWith NegativeBalance

ShowTasksStats