

Actor	Command	Data	Event	Remarks
Guest	Register	email	users.Registered	
Guest	Log in	email	users.LoggedIn	
User	Add task	description	tasks.Created	
task.Created	Set prices for a task	task_id	tasks.PricesSet	
User (roles: manager, admin)	Assign all open tasks		tasks.Assigned	
tasks.Assigned	Add debit log entry	Task_assignment_price, user_id, description	audit.DebitEntryCreated	
User	Mark task as completed	task_id	tasks.Completed	
tasks.Completed	Add credit log entry	Task_completion_price, user_id, description	audit.CreditEntryCreated	
tasks.Assigned, tasks.Completed	Update users balance	User_id, assignment/completion price	accounts.UserBalanceUpdated	
tasks.Assigned, tasks.Completed	Calculate company profit	price	analytics.CompanyProfitUpdated	
End of day event (?)	Drop off positive balances	User_id, amount	accounts.UserBalanceDropped	recalculate company balance?
accounts.UserBalanceDropped	Send payment to user	User_id, amount	payment.Sent	
accounts.UserBalanceDropped	Add payment audit entry	User_id, amount	audit.PaycheckLogged	
tasks.Completed	Add to daily most expensive task if this is the case	Description, price	analytics.MostExpensiveTaskUpdated	

Бизнес цепочки:

task.Created (task_id) ->
 (task_id) task.PricesSet

task.Assigned (task_id, user_id, assignment_price, description) ->
 (task_id, user_id, assignment_price, description) audit.DebitEntryCreated
 (user_id, assignment_price) accounts.UserBalanceUpdated
 (assignment_price) analytics.CompanyProfitUpdated

task.Completed (task_id, user_id, completion_price, description) ->
 (task_id, user_id, completion_price, description) audit.CreditEntryCreated
 (user_id, assignment_price) accounts.UserBalanceUpdated
 (assignment_price) analytics.CompanyProfitUpdated
 (assignment_price, description) analytics.MostExpensiveTaskUpdated

End of day event (?) ->
 (user_id, amount) accounts.UserBalanceDropped

accounts.UserBalanceDropped ->
 (user_id, amount) payment.Sent ->
 (user_id, amount) audit.PaycheckLogged

Модель данных:

User

Task belongs to User and has Audit

Account belongs to User and has Audit

Analytics has Most Expensive Task and Company Profit

Домены:

Authentication

Task handling

Accounting

Analytics

Сервисы:

Authentication: UserHandler

Task handling: TaskHandler, TaskPriceCalculator, TaskDistributor, TaskAuditHandler

Accounting: AccountHandler, AccountAuditHandler, PaymentProcessor

Analytics: AnalyticsHandler