

Main

Scanner scanner  
boolean running  
FinanceModule financeModule  
HealthModule healthModule  
LearningModule learningModule  
RelationshipModule relationshipModule  
DashboardService dashboardService  
CsvManager csvManager

main(String[] args): void  
initialize(): void  
showMainMenu(): void  
handleChoice(int): void  
loadAllData(): void  
saveAllData(): void  
exit(): void

MODULES LAYER

FinanceModule	HealthModule	LearningModule	RelationshipModule
FinanceService BudgetView ExpenseView IncomeView	HealthService WorkoutView MealView	LearningService StudyView BookView	RelationshipService contactView InteractionView
run(): void showMenu() addExpense viewBudget analyze()	run(): void showMenu() addWorkout trackMeal analyze()	run(): void showMenu() addSession trackBook analyze()	run(): void showMenu() addContact logInteraction analyze()

VIEWS LAYER

FINANCE VIEWS								
<table><tr><th>BudgetView</th></tr><tr><td>+ display() + showProgress() + showAlert() + printBarChart</td></tr></table>	BudgetView	+ display() + showProgress() + showAlert() + printBarChart	<table><tr><th>ExpenseView</th></tr><tr><td>+ display() + showList() showSummary() + printCategory</td></tr></table>	ExpenseView	+ display() + showList() showSummary() + printCategory	<table><tr><th>IncomeView</th></tr><tr><td>+ display() + showList() + showSummary() + printSource</td></tr></table>	IncomeView	+ display() + showList() + showSummary() + printSource
BudgetView								
+ display() + showProgress() + showAlert() + printBarChart								
ExpenseView								
+ display() + showList() showSummary() + printCategory								
IncomeView								
+ display() + showList() + showSummary() + printSource								

HEALTH VIEWS

WorkoutView

+ display()  
+ showHistory()  
+ showCalendar()  
+ printStats()

MealView

+ display()  
+ showMealPlan()  
+ showNutrition()  
+ printMealType()

SleepView

+ display()  
+ showQuality()  
+ showtrend()  
+ printHours()

MoodView

+ display()  
+ showMoodChart()  
+ showCorrelation()

LEARNING VIEWS

StudyView

+ display()  
+ showProgress()  
+ showFocus()  
+ printDuration

BookView

+ display()  
+ showReadingList()  
+ showStats()

SkillView

+ display()  
+ showLevel()  
+ showProgress()  
+ showMilestone

RELATIONSHIP VIEWS

ContactView

+ display()  
+ showList()  
+ showDetails()  
+ printContact

InteractionView

+ display()  
+ showHistory()  
+ showFrequency  
+ printType

DASHBOARD VIEWS

DashboardView

+ showLifeOverview()  
+ showBalanceScore()  
+ showCorrelations()  
+ showTrends()

ChartView

+ showBarChart()  
+ showPieChart()  
+ showLineChart()  
+ showHeatMap()

SummaryView

+ showDaily()  
+ showWeekly()  
+ showMonthly()  
+ showYearly()

ThemeView

+ applyTheme()  
+ getColorPalette

DASHBOARD INTEGRATION LAYER

DashboardService

FinanceService financeService  
HealthService healthService  
LearningService learningService  
RelationshipService relationshipService  
PatternAnalyzer patternAnalyzer

showlifeOverview(): void  
calculateLifeBalanceScore(): int  
findCorrelations(): Map<String, Double>  
generateWeeklyReport(): String  
generateMonthlyReport(): String  
showTrends(): void  
exportAllData(): void

SERVICE LAYER

FinanceService

List<Expense>  
List<Income>  
List<Budget>

addExpense()  
getMonthlySpending()  
calculateSavingsRate()  
predictNextMonth()  
getBudgetStatus()  
findSpendingPatterns()

HealthService

List<Workout>  
List<Meal>  
List<Sleep>  
List<Mood>

addWorkout()  
getWorkoutsThisWeek()  
calculateAverageSleep()  
trackWeightProgress()  
suggestWorkout()

LearningService

List<StudySession>  
List<Book>  
List<Skill>

addSession()  
getStudyHours()  
caluclateComprehension()  
identifyWeakSpots()  
recommendNextTopic()

RelationshipService

List<Contact>  
List<Interactions>

addContact()  
logInteraction()  
getContactsByFrequency()  
calculateStrength()  
suggestFollowups()

PatternAnalyzer

List<?> data

findTrends()  
calculateCorrelation()  
predictNest()  
identifyAnomalies()

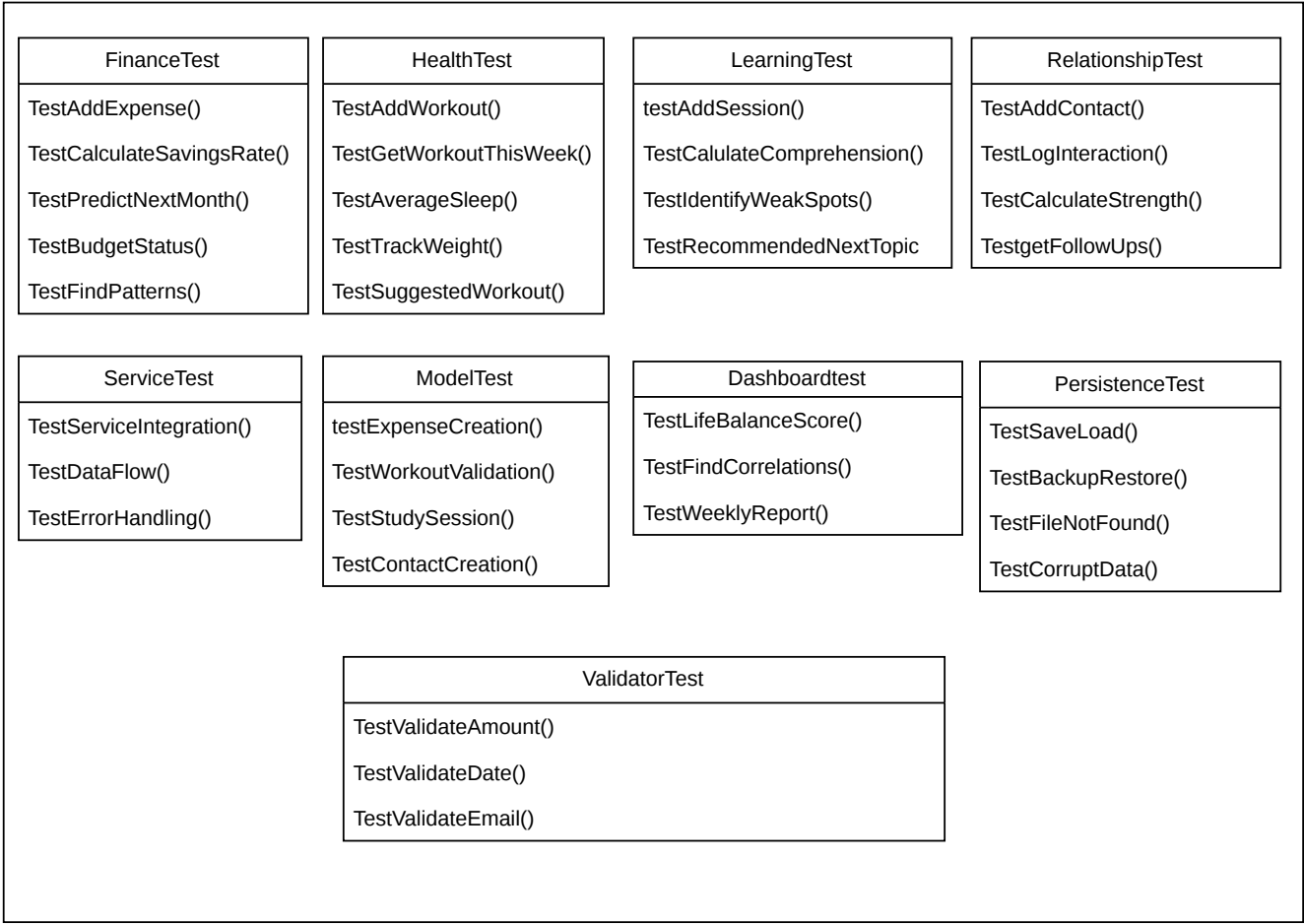
MODEL LAYER

<b>Expense</b> - String: id - double: amount - Category: category - Localdate: date - String description	<b>Income</b> - String: id - double: amount - String source - LocalDate date - boolean recur	<b>Budget</b> - String: id - String: name - double: limit - double spent - String period	<b>Workout</b> - String: id - String: exercise - int: duration - int sets - int reps - LocalDate date	<b>Meal</b> - String: id - String: name - int: calories - MealType type - LocalDateTime
<b>Sleep</b> - String: id - double: hours - int: quality - LocalDate date - String notes	<b>StudySession</b> - String: id - String subject - String: topic - int duration - int comprehension - LocalDateTime	<b>Measurement</b> - String: id - double: weight - double: bodyFat - LocalDate date	<b>Mood</b> - String: id - MoodType: mood - int: energy - int stress - LocalDateTime	<b>Book</b> - String: id - String :itle - String: author - int pages - int pagesRead - int rating - LocalDate start - Localdate finish
<b>Contact</b> - String: id - String name - String: email - String phone - LocalDate Birthday - String category	<b>Skill</b> - String: id - String: name - int: level - int hours	<b>Interaction</b> - String: id - String: interaction - InteractionType: type - LocalDateTime - String notes		

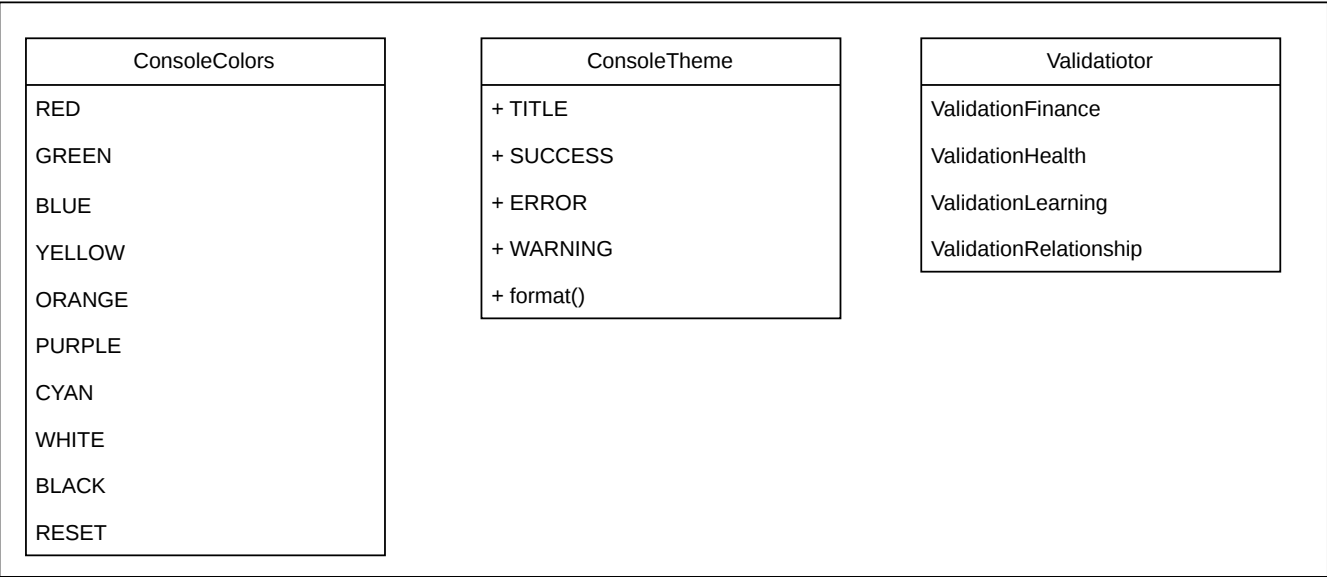
ENUMS LAYER
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<b>CategoryType</b> FOOD TRANSPORT ENTERTAINment UTILITIES SHOPPING HEALTH EDUCATION SAVINGS	<b>MealType</b> BREAKFAST LUNCH DINNER SNACK	<b>MoodType</b> HAPPY SAD ANGRY TIRED STRESSED ENERGETIC CALM	<b>Priority</b> LOW MEDIUM HIGH CRITICAL
<b>PaymentMethod</b> CASH CREDIT_CARD DEBIT_CARD BANK_TRANSFER	<b>InteractionType</b> CALL TEXT EMAIL MEETING SOCIAL GIFT	<b>WeekDay</b> MONDAY TUESDAY WEDNESDAY THURSDAY DRIDAY SATURDAY SUNDAY	<b>Domain</b> FINANCE HEALTH LEARNING RELATIONSHIP

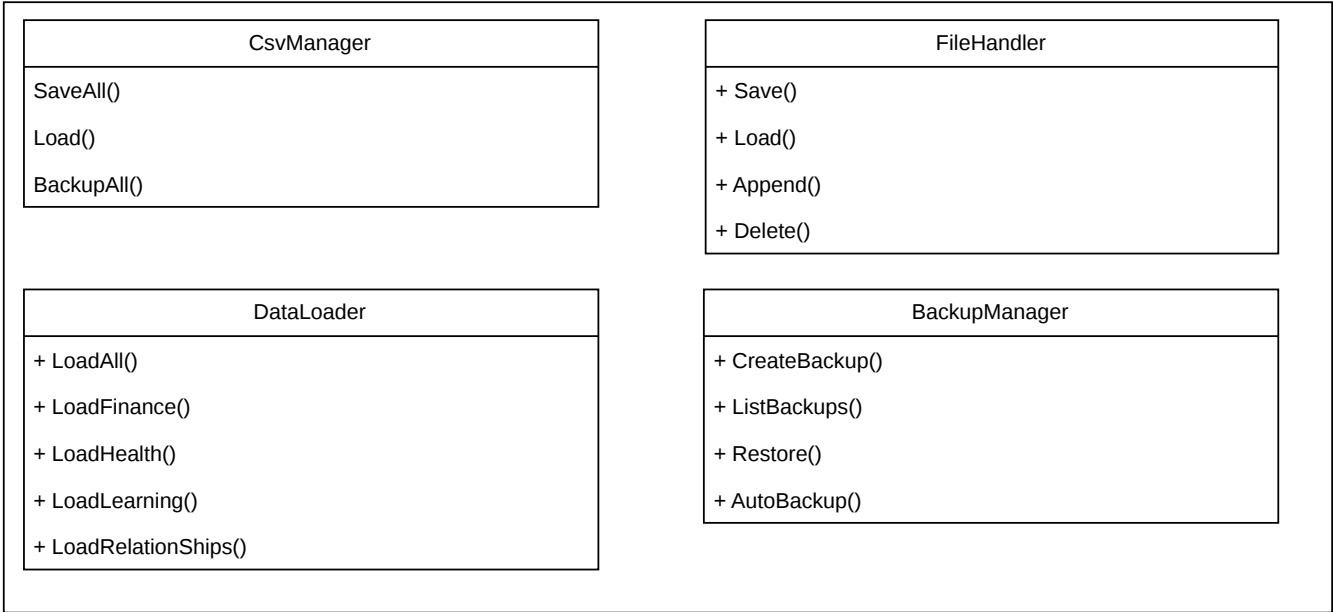
TEST LAYER (JUnit)



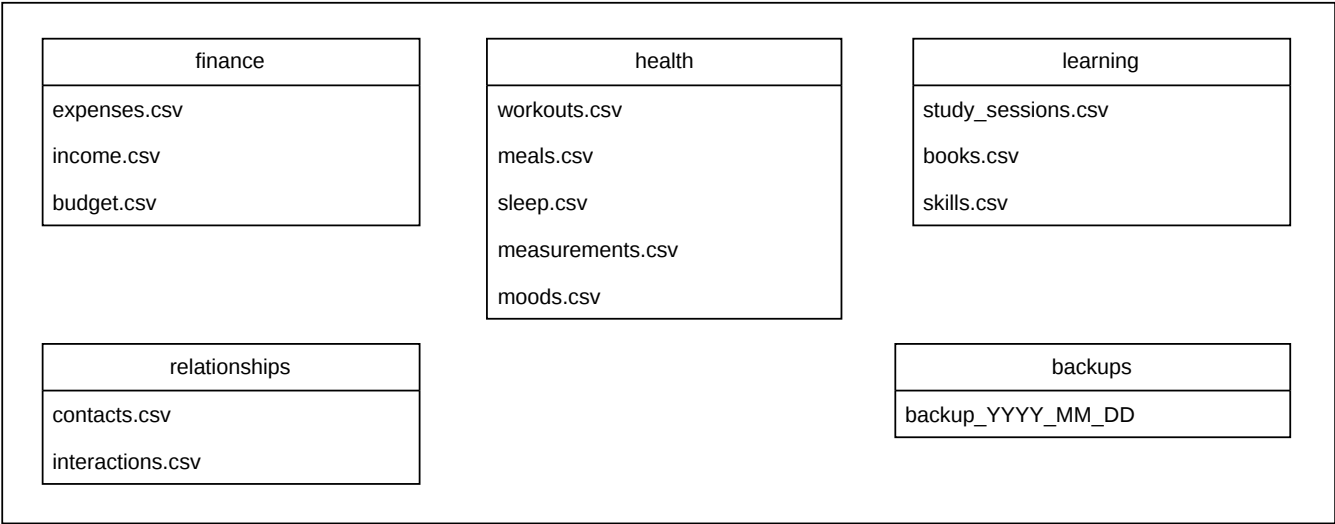
UTILS LAYER



PERSISTENCE LAYER



DATA LAYER



EXCEPTIONS LAYER

