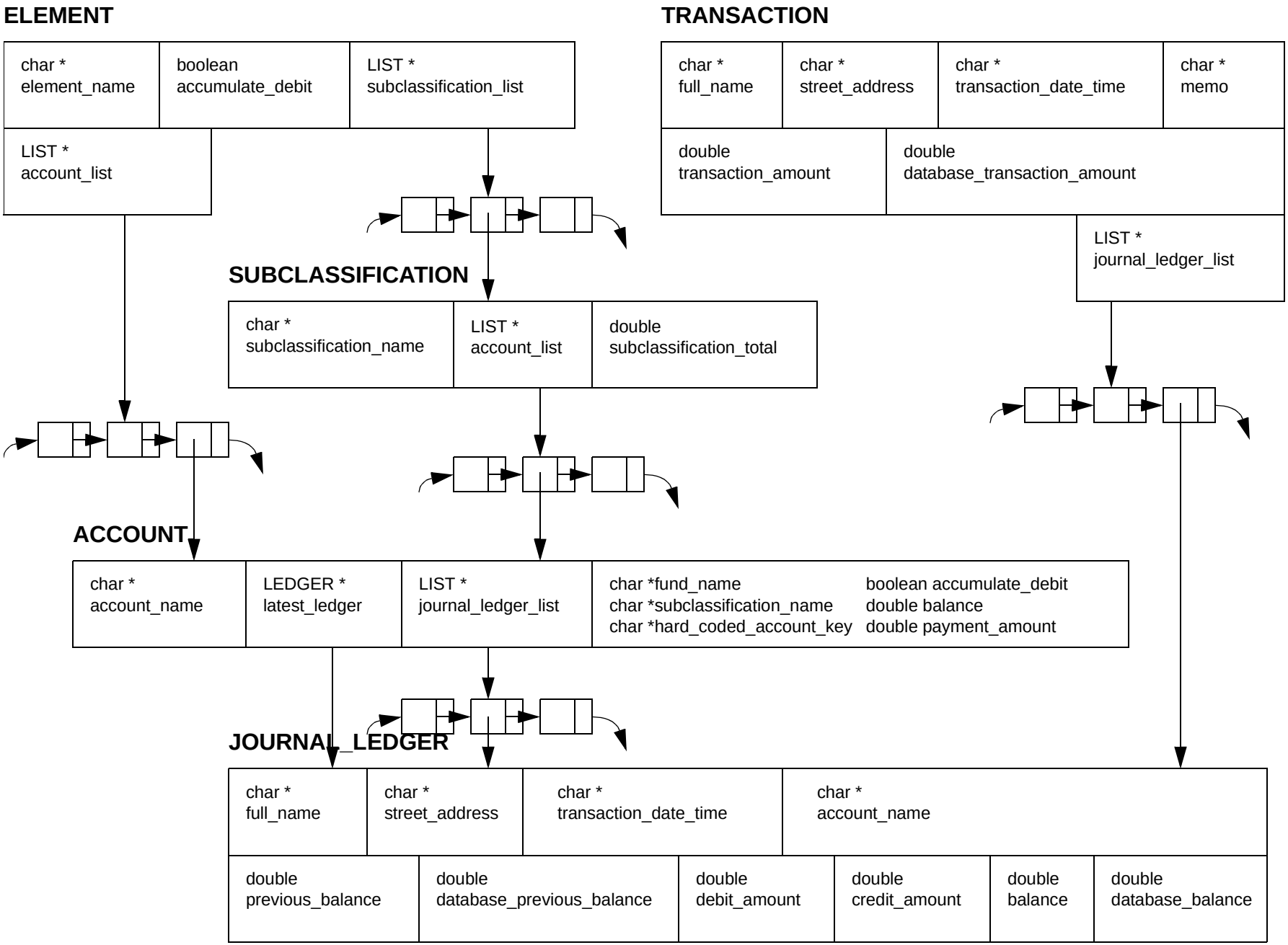
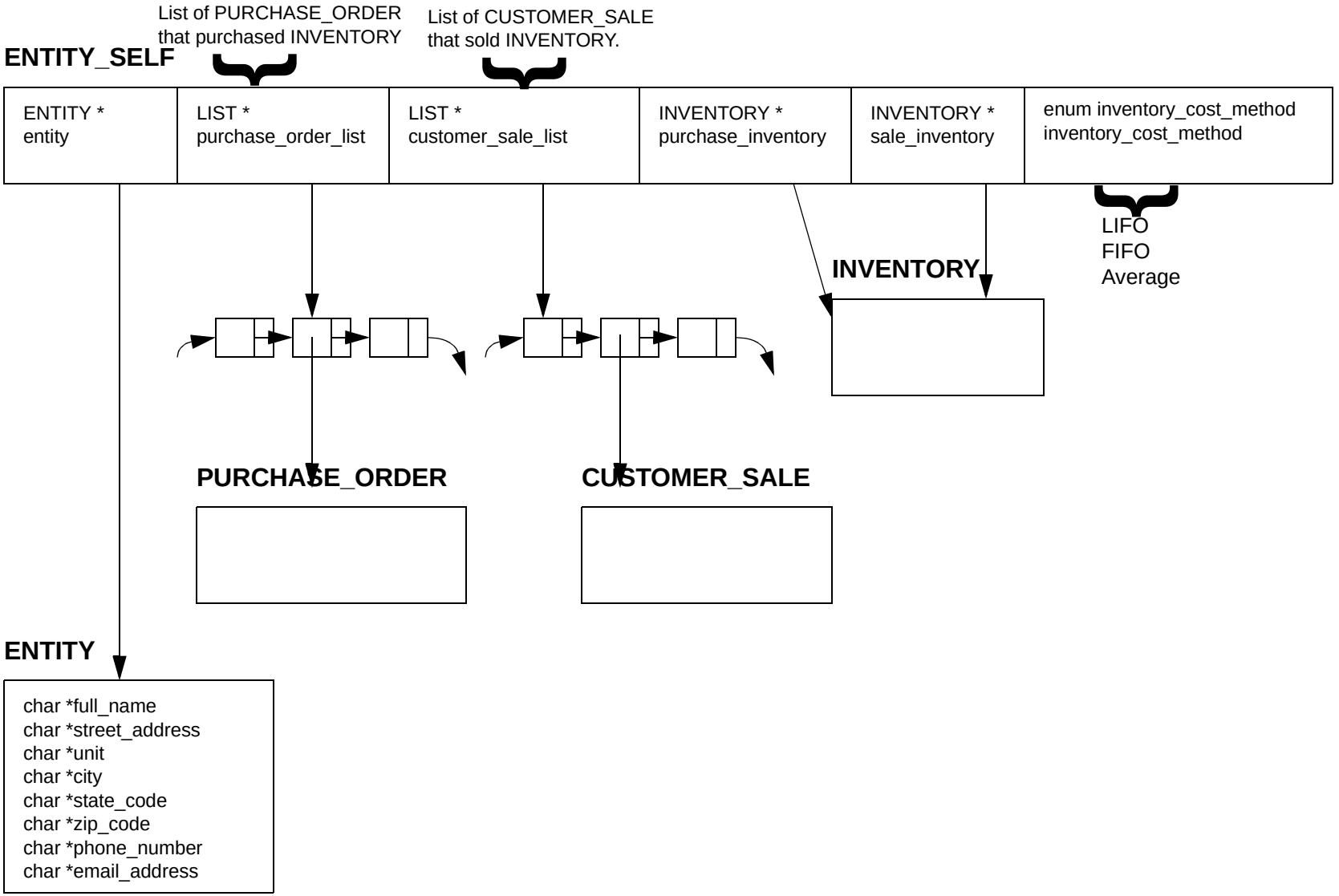
PredictiveBooks Data Structure



© Tim Riley 2012-2018

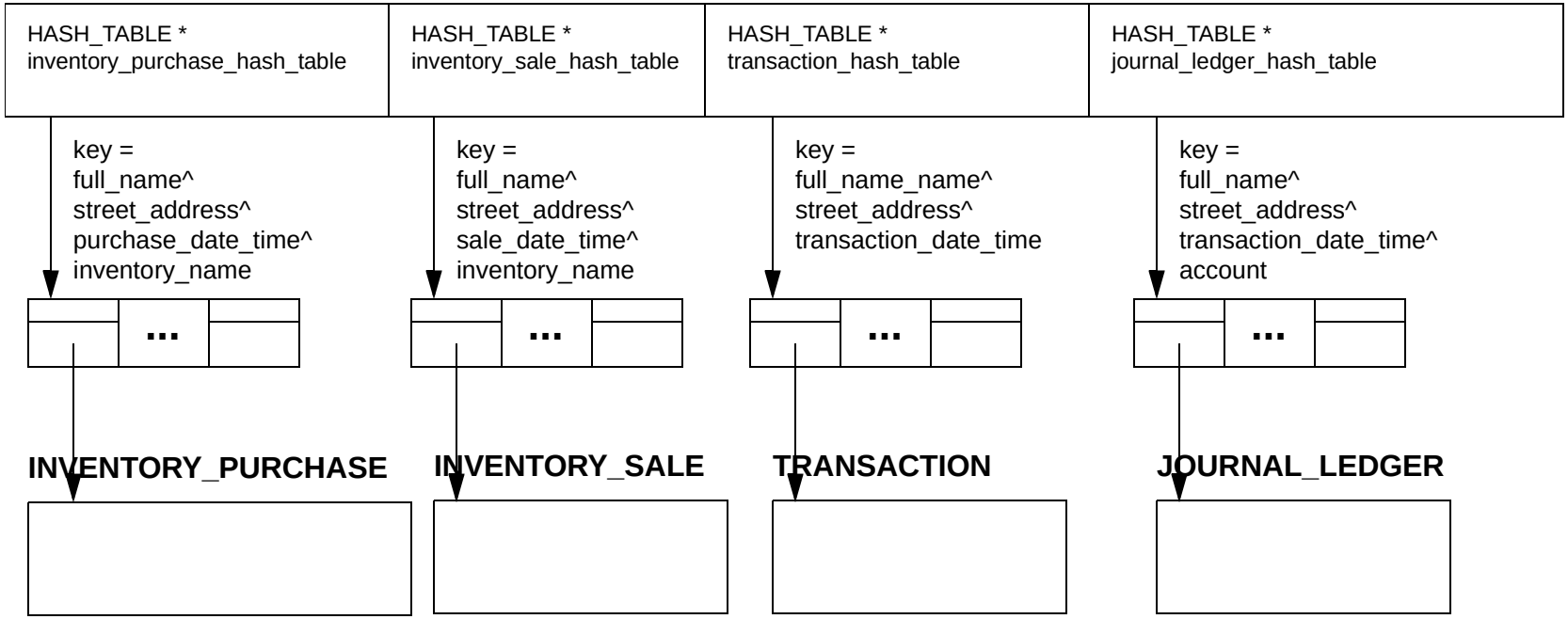
PredictiveBooks Data Structure



© Tim Riley 2012-2018

PredictiveBooks Data Structure

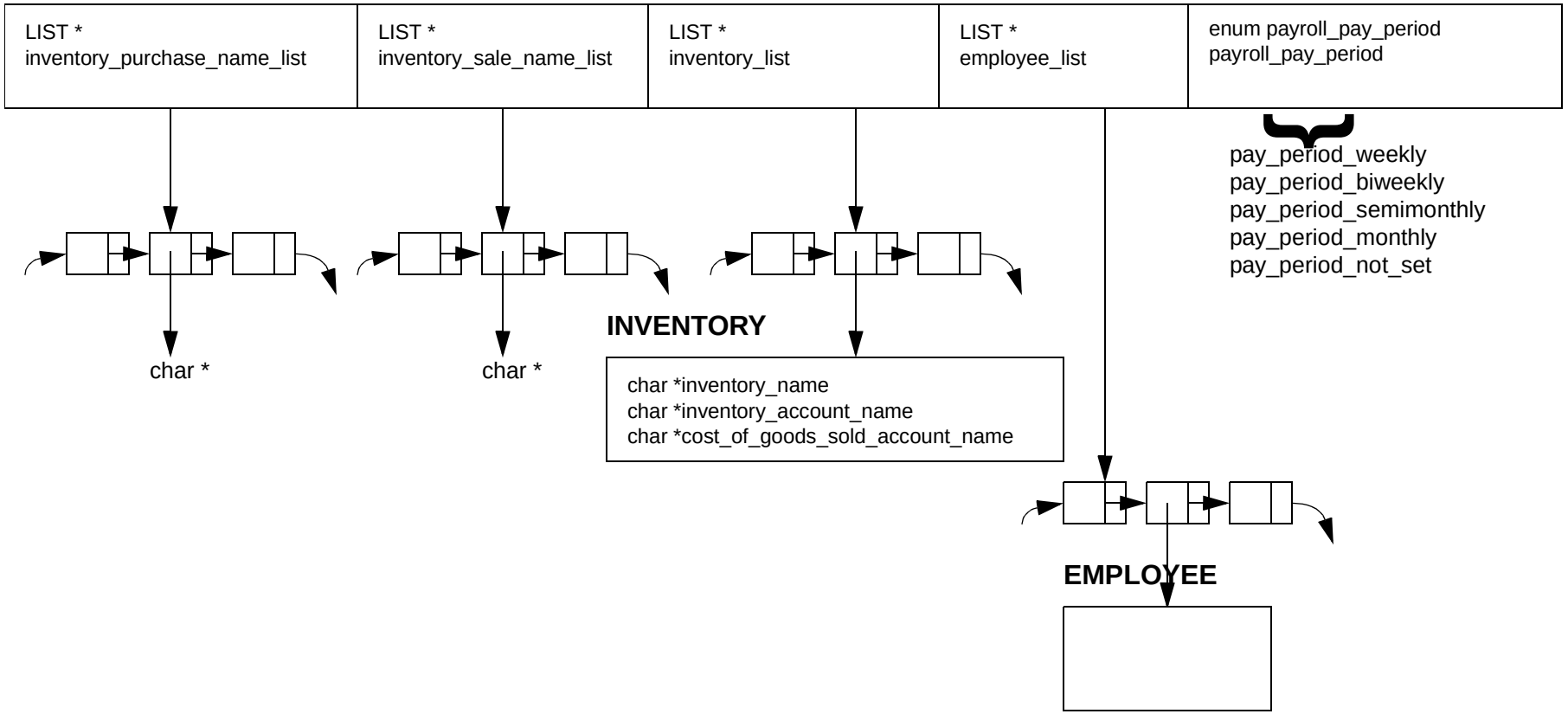
ENTITY_SELF (continued)



© Tim Riley 2012-2018

PredictiveBooks Data Structure

ENTITY_SELF (continued)



ENTITY_SELF (continued)

char *payroll_beginning_day
double social_security_combined_tax_rate
int social_security_payroll_ceiling
double medicare_combined_tax_rate
double medicare_additional_withholding_rate
int medicare_additional_gross_pay_floor
double federal_withholding_allowance_period_value
double federal_nonresident_withholding_income_premium
double state_withholding_allowance_period_value
double state_itemized_allowance_period_value
int federal_unemployment_wage_base
double federal_unemployment_tax_standard_rate
double federal_unemployment_threshold_rate
double federal_unemployment_tax_minimum_rate
int state_unemployment_wage_base
double state_unemployment_tax_rate
double state_sales_tax_rate

© Tim Riley 2012-2018

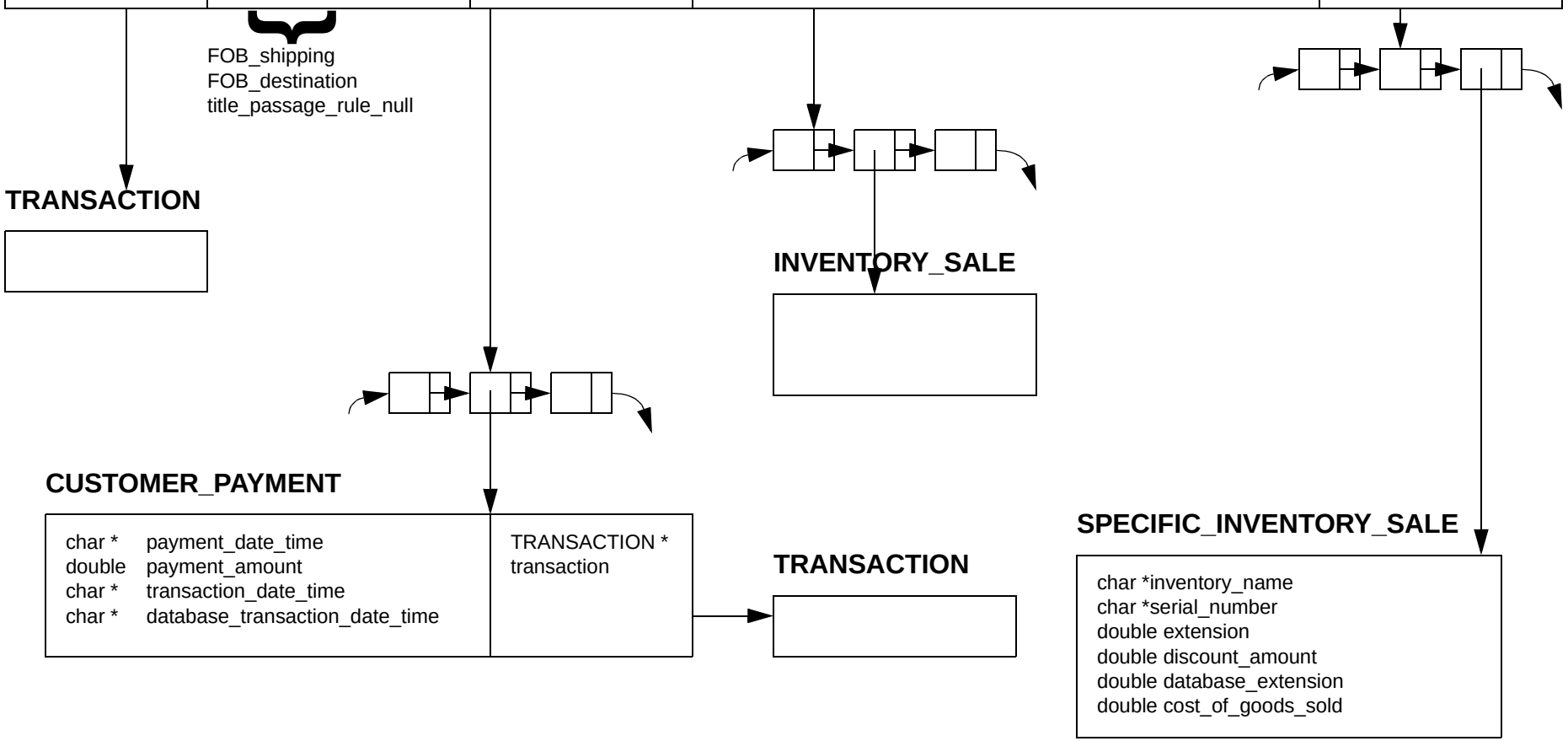
PredictiveBooks Data Structure

CUSTOMER_SALE (1)

char *	full_name	double	sum_inventory_extension	double	shipping_revenue
char *	street_address	double	database_sum_inventory_extension	double	invoice_amount
char *	sale_date_time	double	sum_fixed_service_extension	double	database_invoice_amount
char *	transaction_date_time	double	database_sum_fixed_service_extension	double	amount_due
char *	database_transaction_date_time	double	sum_hourly_service_extension	double	database_amount_due
char *	completed_date_time	double	database_sum_hourly_service_extension	double	total_payment
double	sales_tax	double	sum_extension	double	database_total_payment
double	database_sales_tax	double	database_sum_extension		

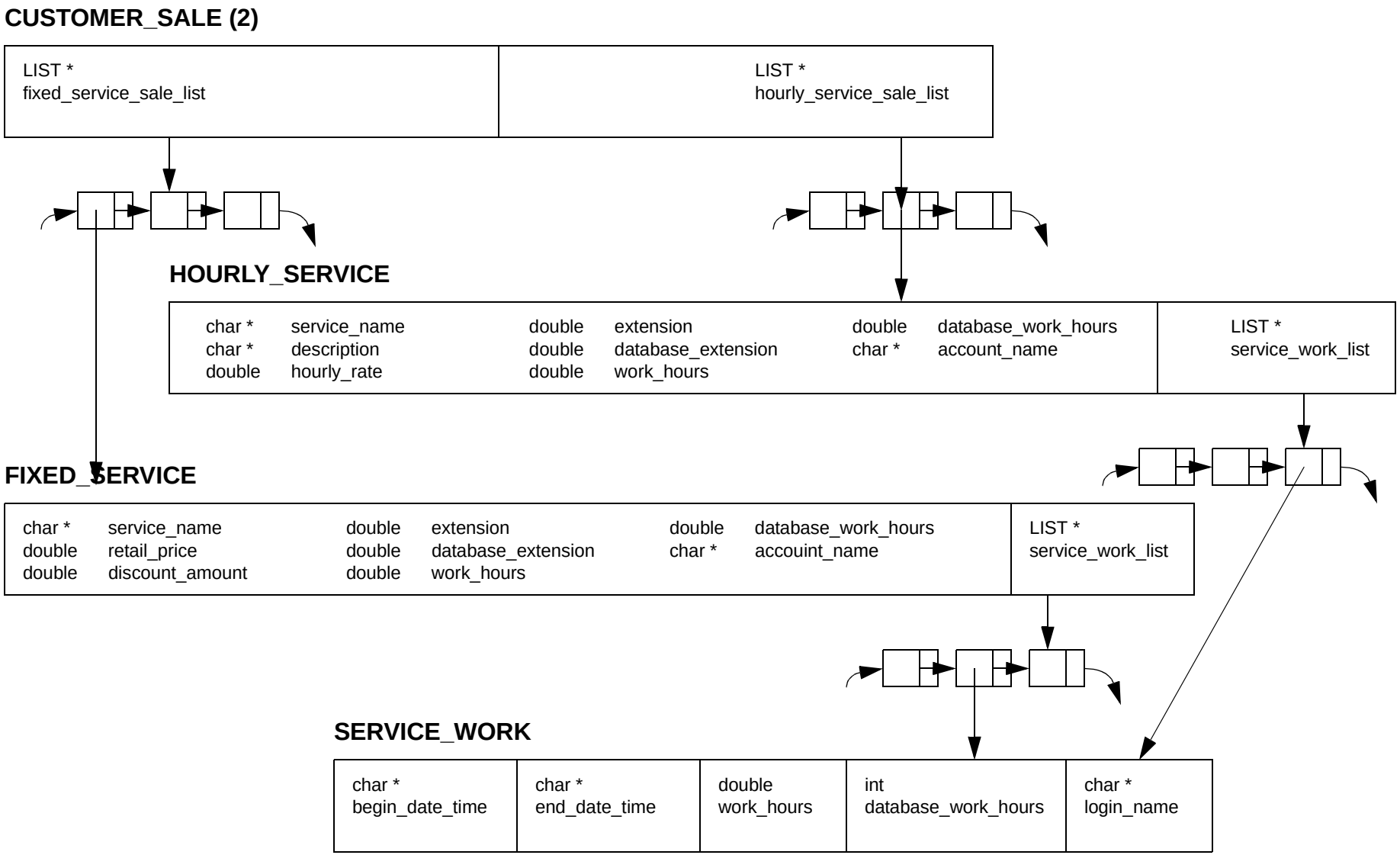
TRANSACTION * transaction	enum title_passage_rule title_passage_rule	LIST * payment_list	LIST * inventory_sale_list	LIST * specific_inventory_ sale_list

FOB_shipping
FOB_destination
title_passage_rule_null



© Tim Riley 2012-2018

PredictiveBooks Data Structure



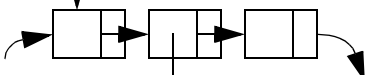
© Tim Riley 2012-2018

PURCHASE_ORDER (1)

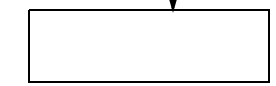
char *	full_name	double	sum_prepaid_asset_extension	double	amount_due
char *	street_address	doulbe	sum_extension	double	database_amount_due
char *	purchase_date_time	double	database_sum_extension	double	liability_payment_amount
char *	transaction_date_time	double	sales_tax	char *	shipped_date
char *	database_transaction_date_time	double	freight_in	char *	arrived_date_time
double	sum_inventory_extension	double	purchase_amount	LIST *	service_purchase_list
double	sum_service_extension	double	database_purchase_amount	TRANSACTION *transaction	
double	sum_fixed_asset_extension	double	sum_payment_amount		

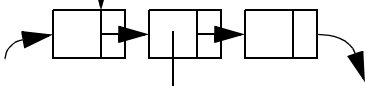
LIST * propagate_account_list	LIST * inventory_purchase_list	enum title_passage_rule title_passage_rule	LIST * supply_purchase_list	LIST * service_purchase_list

FOB_shipping
FOB_destination
title_passage_rule_null

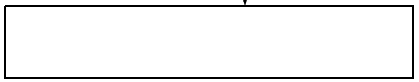


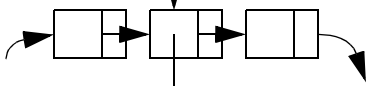
ACCOUNT





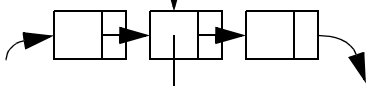
INVENTORY_PURCHASE





PURCHASE_SUPPLY

char *supply_name
int quantity
double unit_cost
double extension
double database_extension
char *account_name



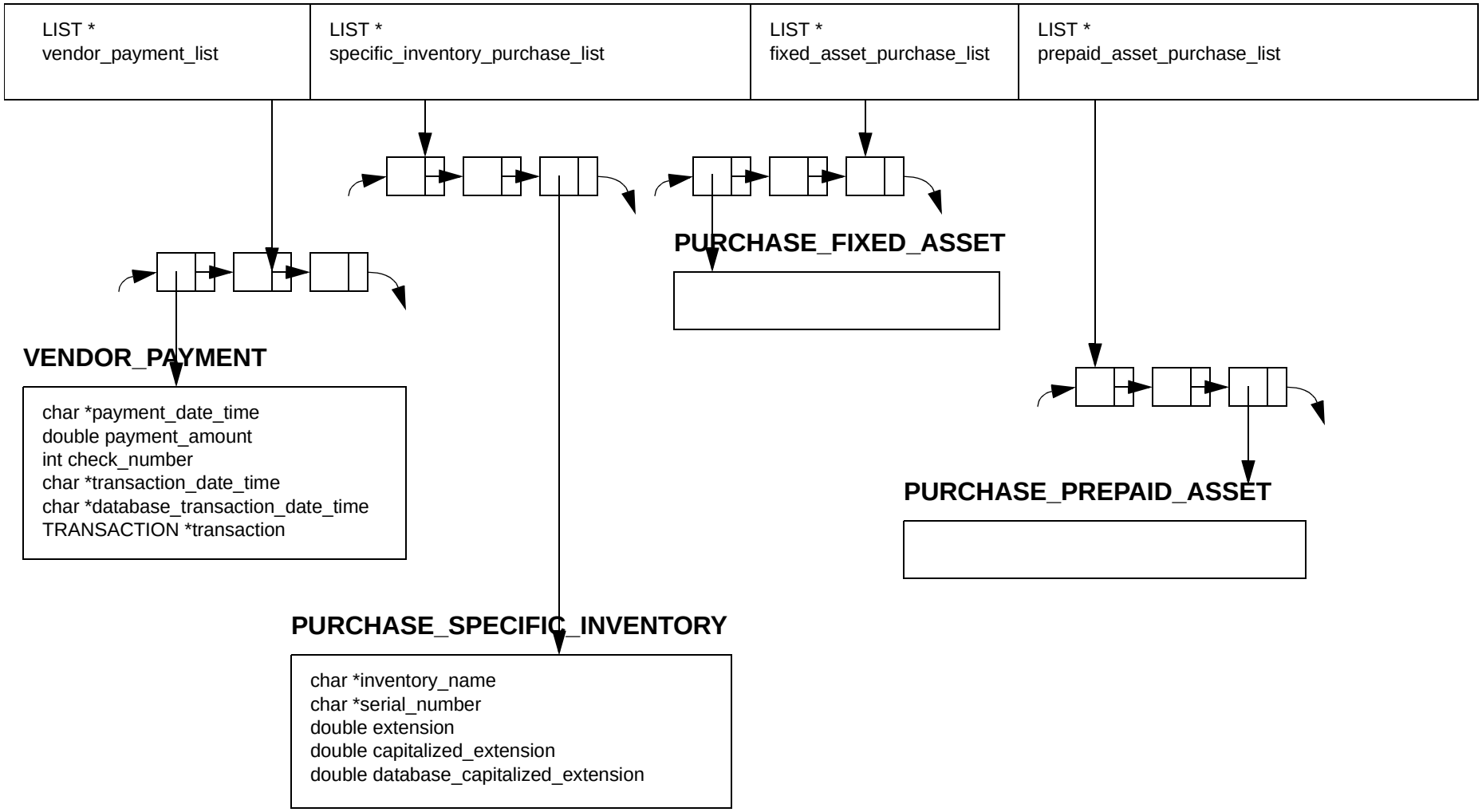
PURCHASE_SERVICE

char *account_name
double extension

© Tim Riley 2012-2018

PredictiveBooks Data Structure

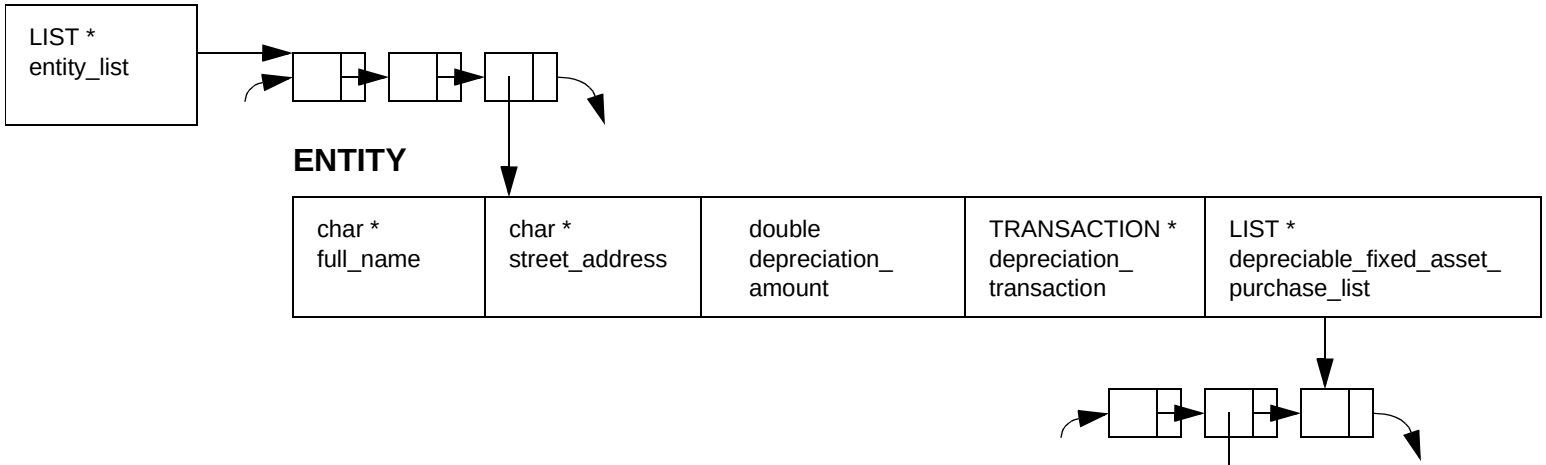
PURCHASE_ORDER (2)



© Tim Riley 2012-2018

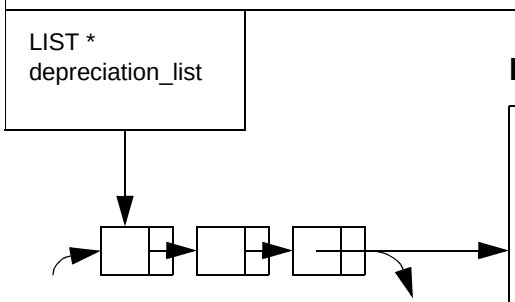
PredictiveBooks Data Structure

FIXED_ASSET_DEPRECIATION



PURCHASE_FIXED_ASSET

char *	full_name	char *	account_name	int	estimated_residual_value
char *	street_address	char *	arrived_date_time	int	declining_balance_n
char *	purchase_date_time	double	extension	char *	depreciation_method
char *	asset_name	int	estimated_useful_life_years	double	accumulated_depreciation
char *	serial_number	int	estimated_useful_life_units	double	database_accumulated_depreciation
				char *	max_depreciation_date



DEPRECIATION

char *	full_name	char *	depreciation_date
char *	street_address	double	depreciation_amount
char *	purchase_date_time	double	database_depreciation_amount
char *	asset_name	char *	transaction_date_time
char *	serial_number	char *	database_transaction_date_time
int	units_produced	TRANSACTION *	transaction

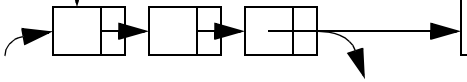
© Tim Riley 2012-2018

PredictiveBooks Data Structure

PURCHASE_PREPAID_ASSET

char *	full_name	char *	asset_account_name	double	accumulated_accrual
char *	street_address	char *	expense_account_name	double	database_accumulated_accrual
char *	purchase_date_time	double	extension		
char *	asset_name	double	accrual_period_years		

LIST *
accrual_list



ACCRUAL

char *	full_name	double	accrual_amount
char *	street_address	double	database_accrual_amount
char *	purchase_date_time	char *	transaction_date_time
char *	asset_name	char *	database_transaction_date_time
char *	accrual_date	TRANSACTION *	transaction

VENDOR_PAYMENT

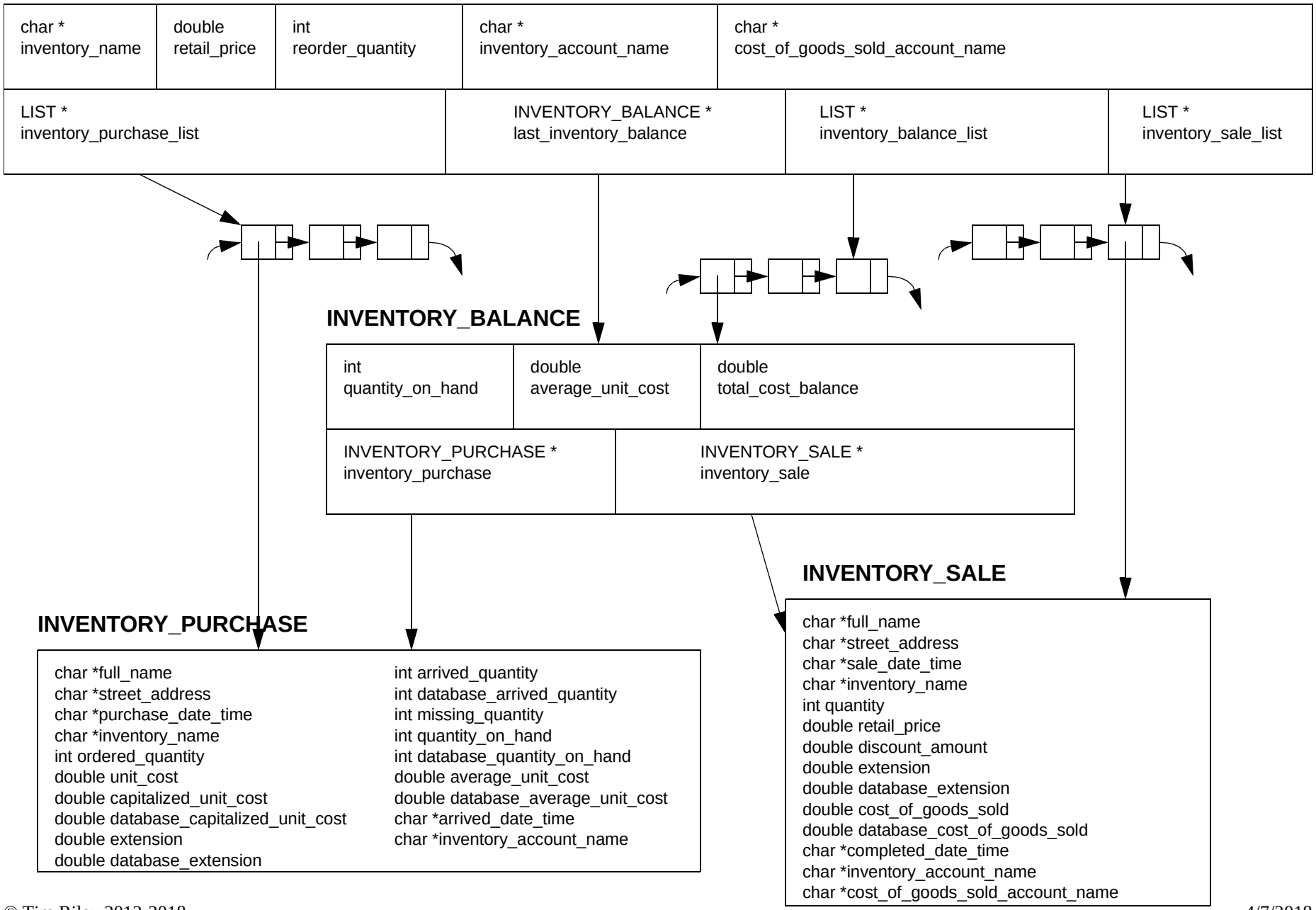
char * payment_date_time	double payment_amount	char * transaction_date_time	char * database_transaction_date_time	TRANSACTION * transaction

TRANSACTION

© Tim Riley 2012-2018

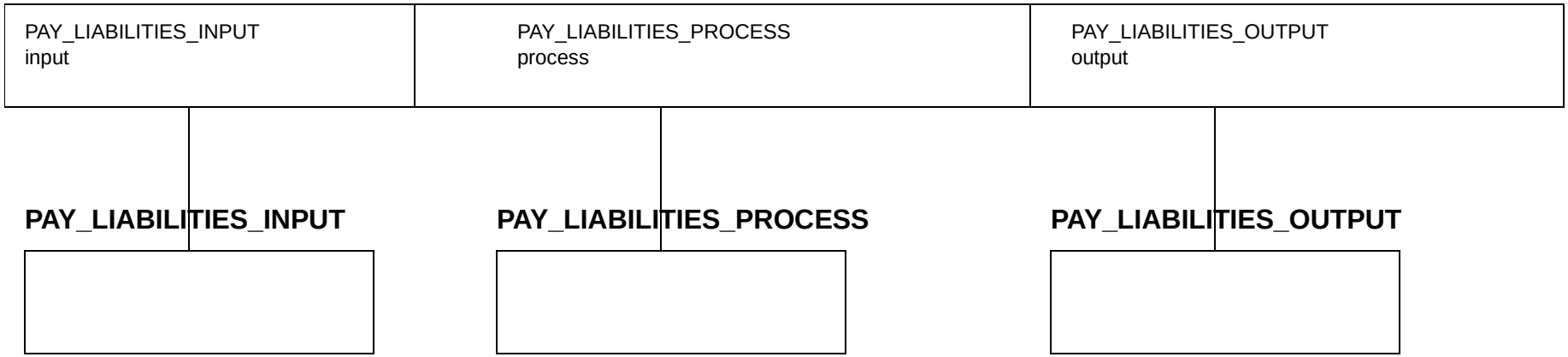
PredictiveBooks Data Structure

INVENTORY



© Tim Riley 2012-2018

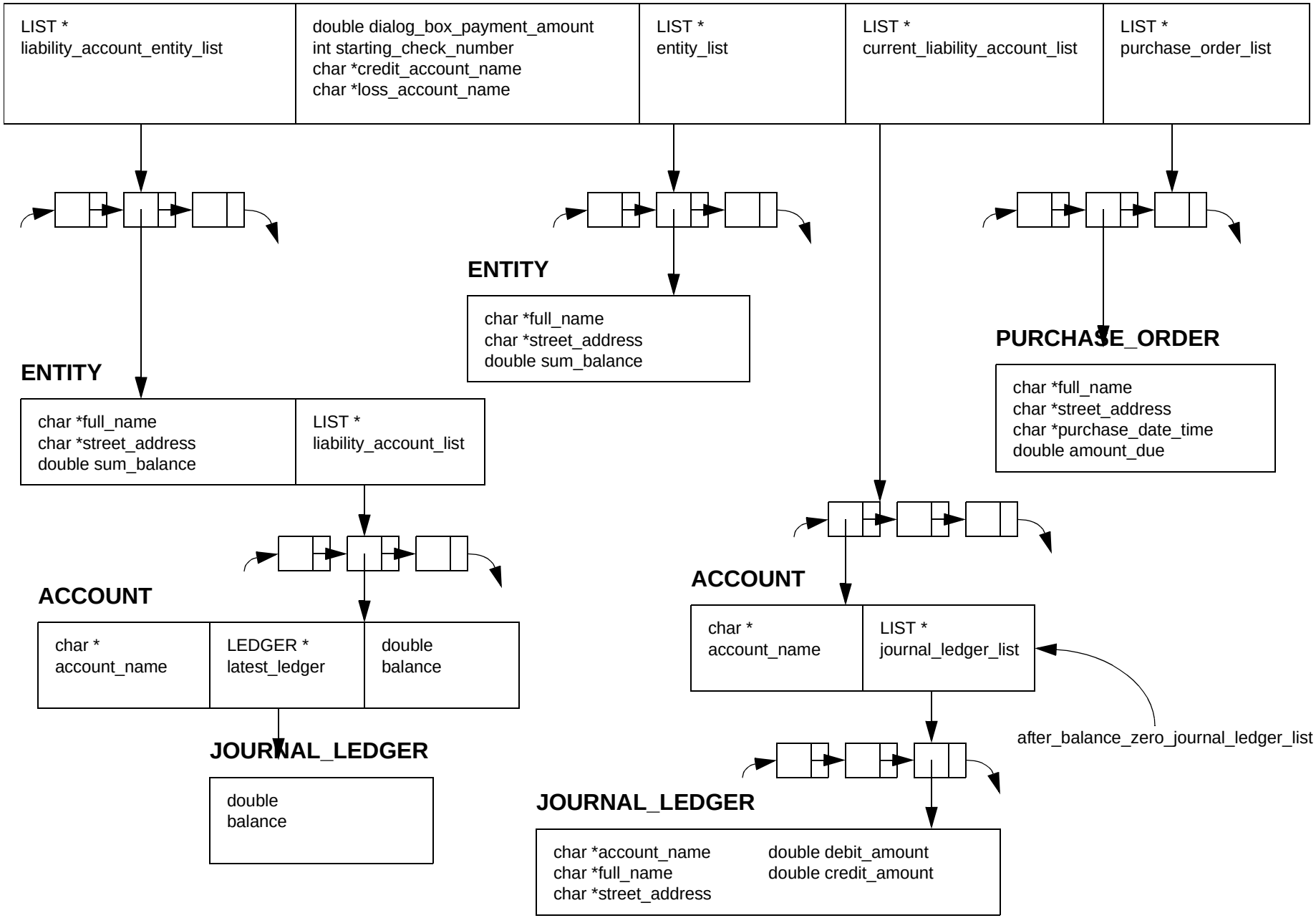
PAY_LIABILITIES



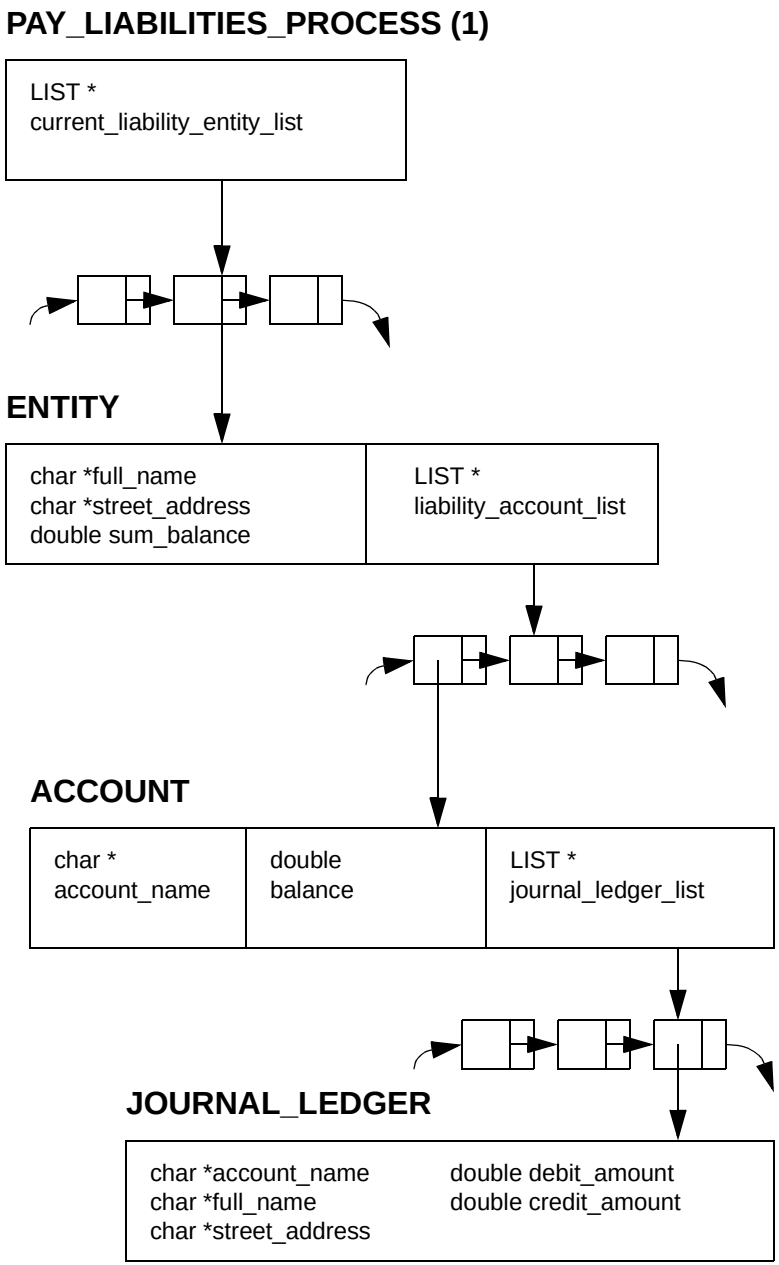
© Tim Riley 2012-2018

PredictiveBooks Data Structure

PAY_LIABILITIES_INPUT

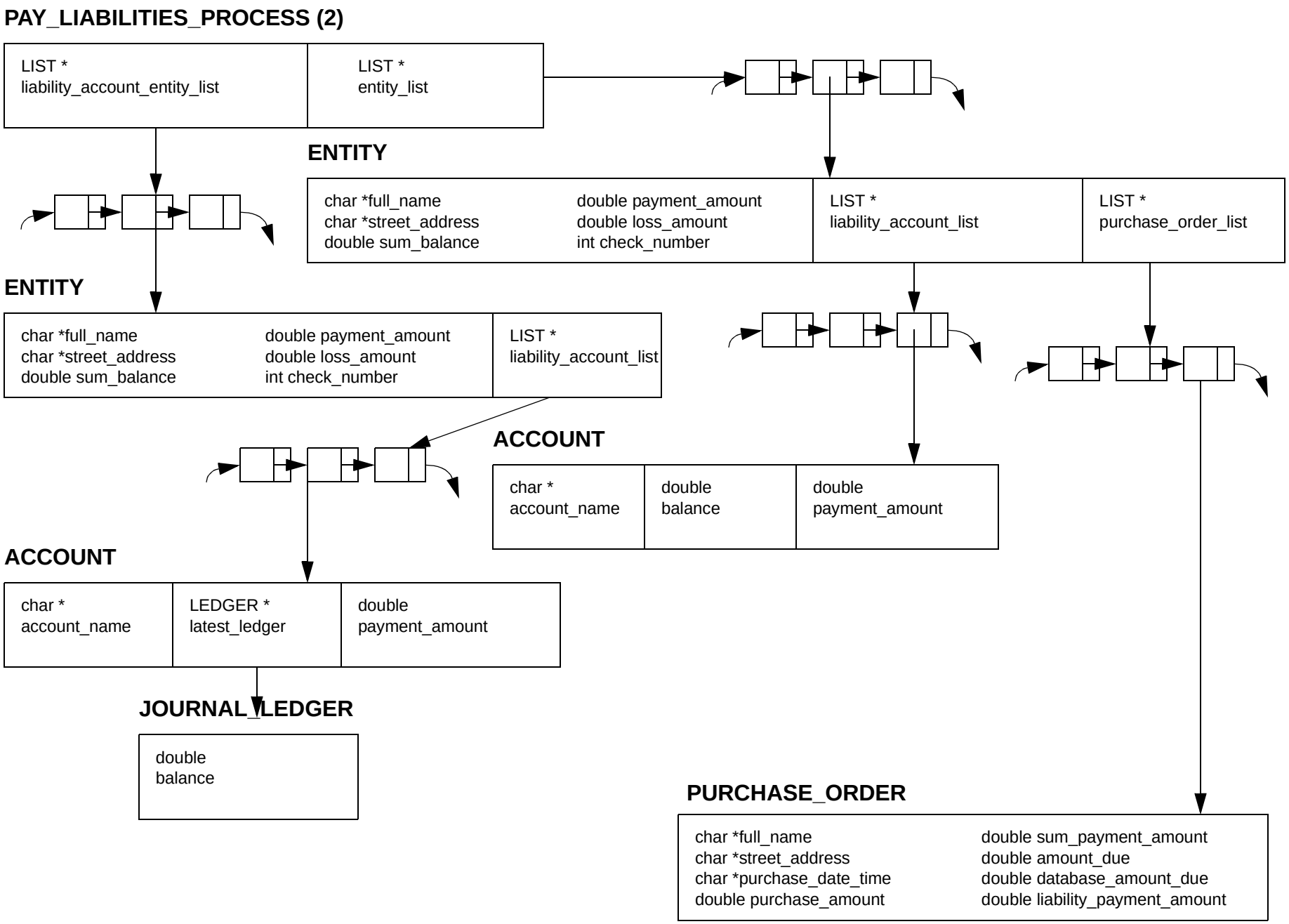


© Tim Riley 2012-2018



© Tim Riley 2012-2018

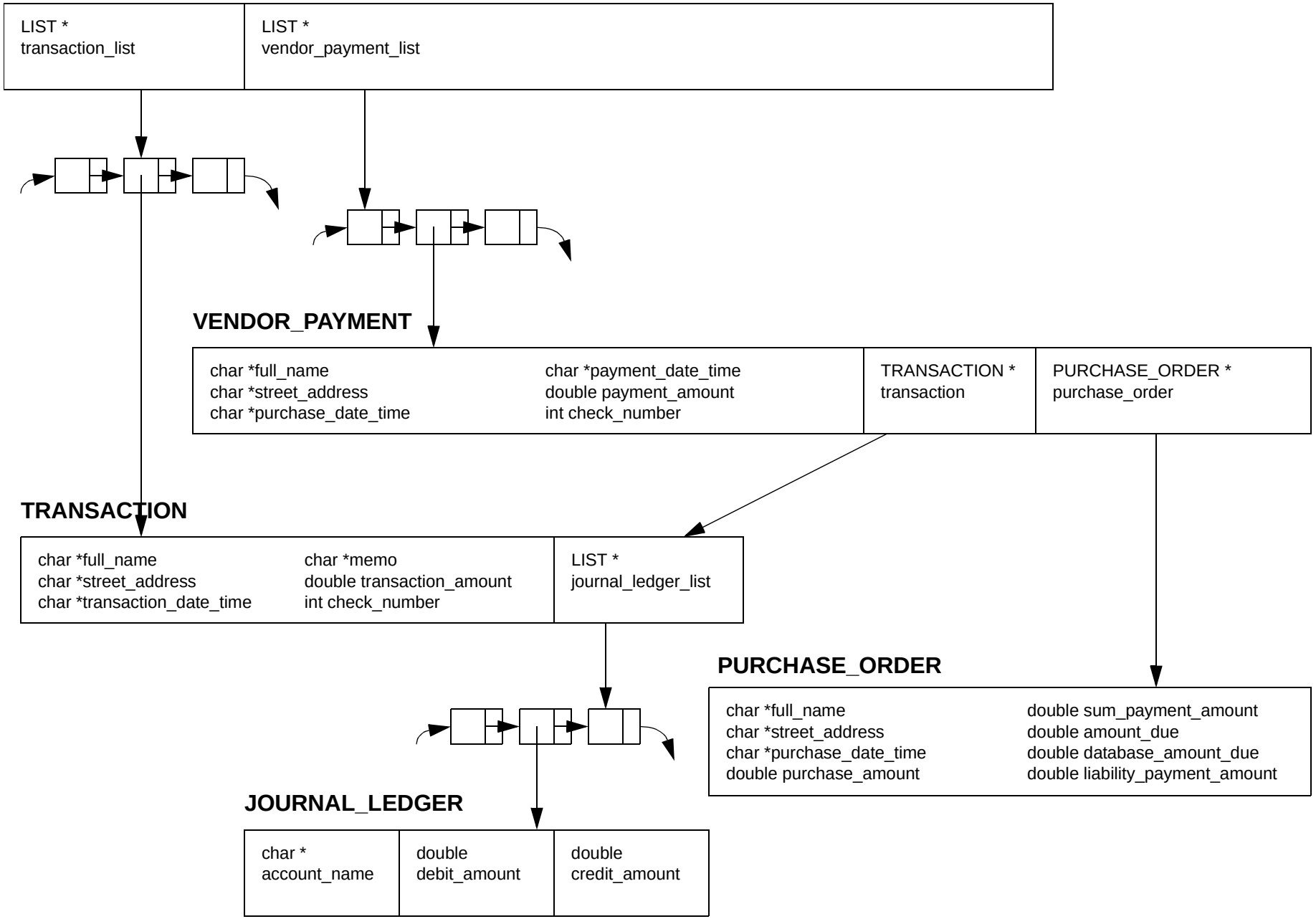
PredictiveBooks Data Structure



© Tim Riley 2012-2018

PredictiveBooks Data Structure

PAY_LIABILITIES_OUTPUT



© Tim Riley 2012-2018

PredictiveBooks Data Structure

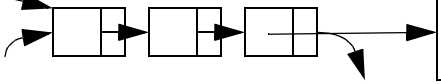
EMPLOYEE

char *full_name
char *street_address
double hourly_wage
double period_salary
double commission_sum_extension_percent
double gross_pay_year_to_date
double database_gross_pay_year_to_date
double net_pay_year_to_date
double database_net_pay_year_to_date
char * federal_marital_status
int federal_withholding_allowances
int federal_withholding_additional_period_amount
boolean state_withholding_exempt
char *state_marital_status
int state_withholding_allowances
int state_itemized_deduction_allowances
int retirement_contribution_plan_employee_period_amount
int retirement_contribution_plan_employer_period_amount
int health_insurance_employee_period_amount
int health_insurance_employer_period_amount
double union_dues_period_amount
char *terminated_date

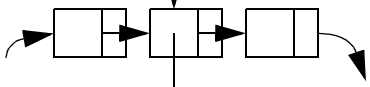
LIST *
employee_work_day_list

LIST *
employee_work_period_list

LIST *
customer_sale_list

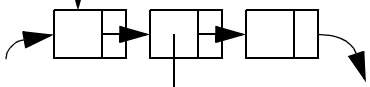


CUSTOMER_SALE



EMPLOYEE_WORK_PERIOD

char *full_name
char *street_address
int payroll_year
int payroll_period_number
char *begin_work_date
char *end_work_date
double regular_work_hours
double overtime_work_hours
double commission_sum_extension
double gross_pay
double net_pay
double payroll_tax_amount
double federal_tax_withholding_amount
double state_tax_withholding_amount
double social_security_employee_tax_amount
double social_security_employer_tax_amount
double medicare_employee_tax_amout
double medicare_employer_tax_amount
int retirement_contribution_plan_employee_amount
int retirement_contribution_plan_employer_amount
int health_insurance_employee_amount
int health_insurance_employer_amount
double federal_unemployment_tax_amount
double state_unemployment_tax_amount
int union_dues_amount
char *transaction_date_time



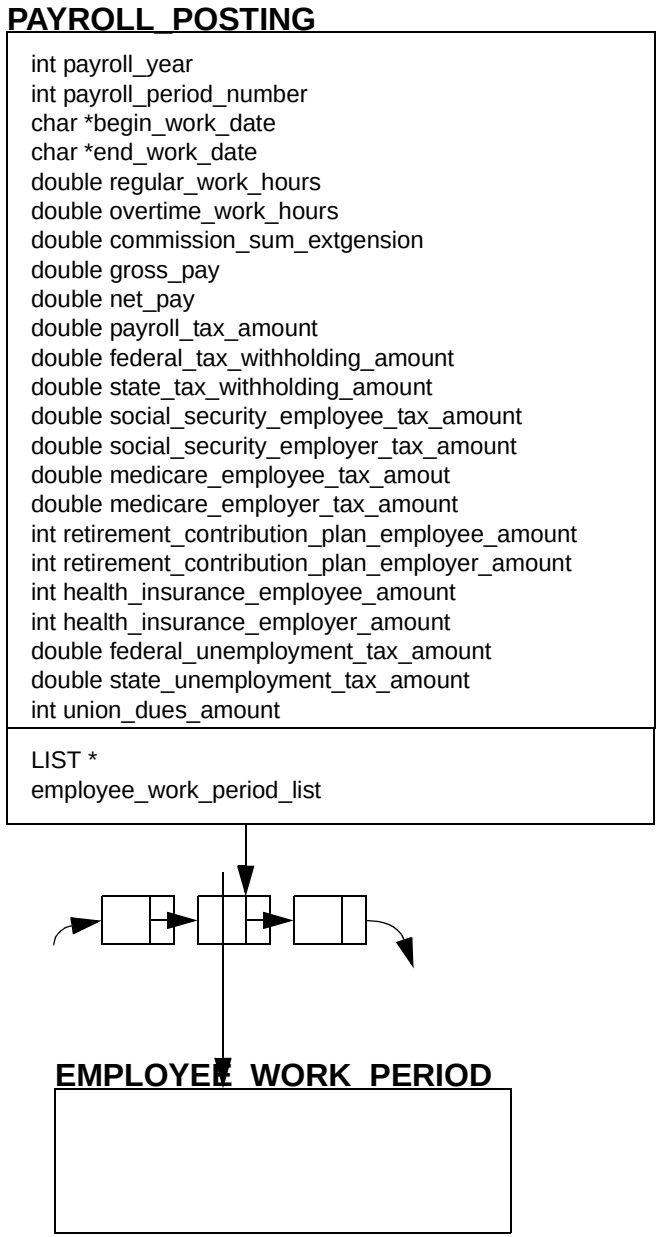
EMPLOYEE_WORK_DAY

char *begin_work_date_time
char *end_work_date_time
double employee_work_hours
double database_employee_work_hours
boolean overtime_work_day

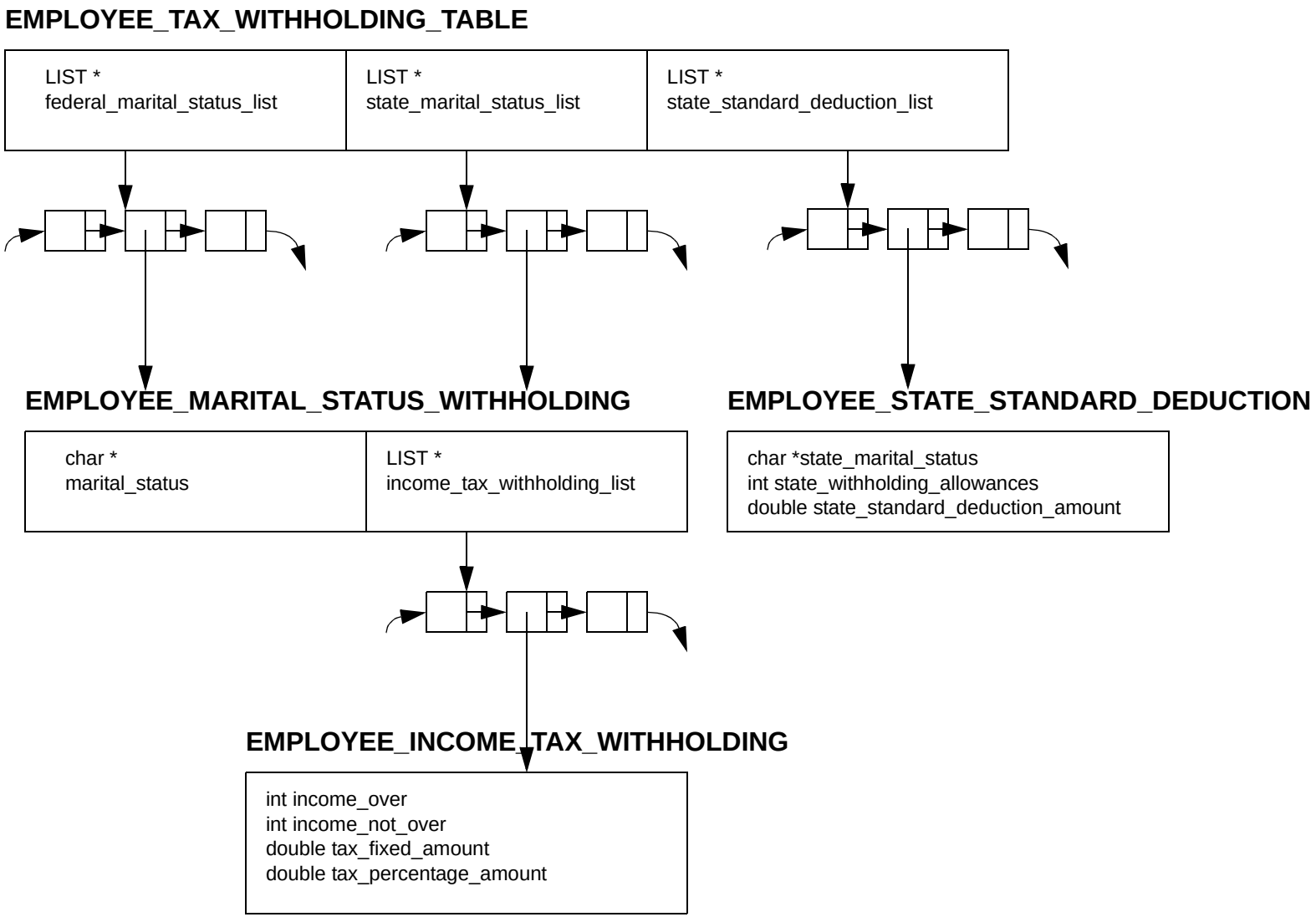
TRANSACTION *
transaction

TRANSACTION

© Tim Riley 2012-2018



© Tim Riley 2012-2018



© Tim Riley 2012-2018

PredictiveBooks Data Structure

SUBSIDIARY_TRANSACTION

SUBSIDIARY_INPUT input	SUBSIDIARY_PROCESS process	SUBSIDIARY_OUTPUT output

SUBSIDIARY_INPUT

char * folder_name	LIST * primary_data_list	char * full_name	char * street_address

SUBSIDIARY_PROCESS

char *attribute_name char *credit_account_name LIST *primary_attribute_name_list char *debit_account_primary_data double transaction_amount char *debit_account_name	FOLDER * subsidiary_transaction_folder	FOLDER * debit_account_folder

FOLDER

LIST * primary_attribute_name_list	LIST * primary_data_list

FOLDER

LIST * primary_attribute_name_list

Expect a list of one element. Only single attribute primary key.

SUBSIDIARY_OUTPUT

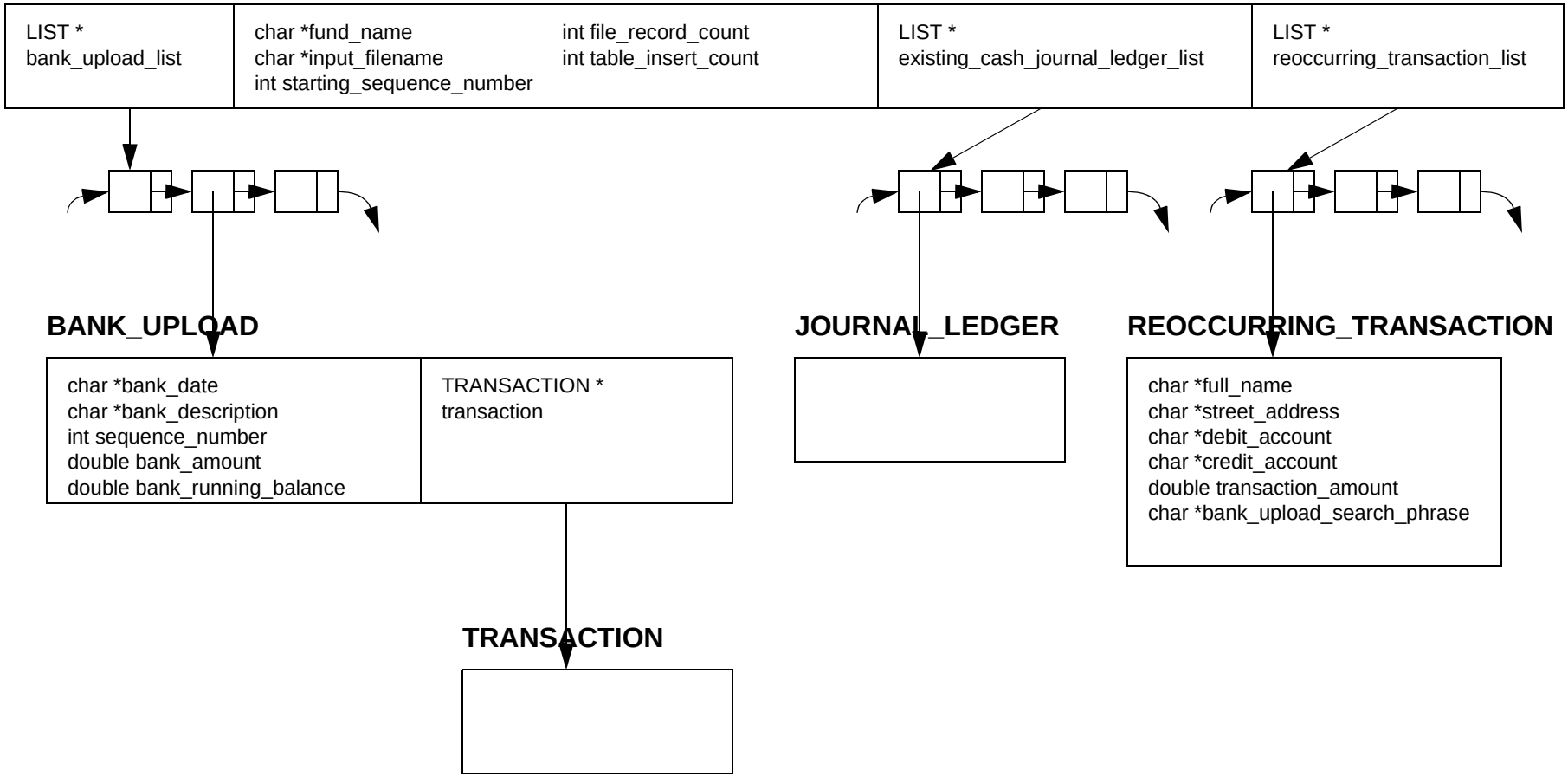
TRANSACTION * transaction

TRANSACTION

© Tim Riley 2012-2018

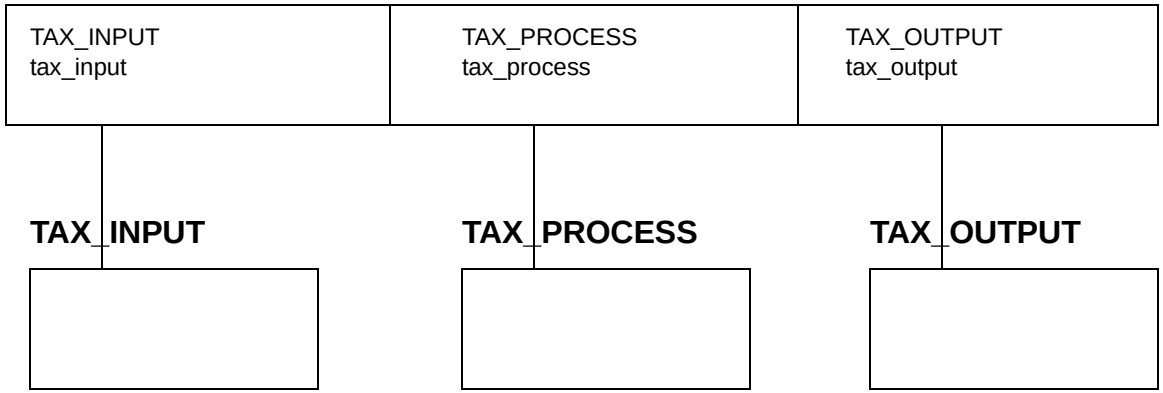
PredictiveBooks Data Structure

BANK_UPLOAD_STRUCTURE



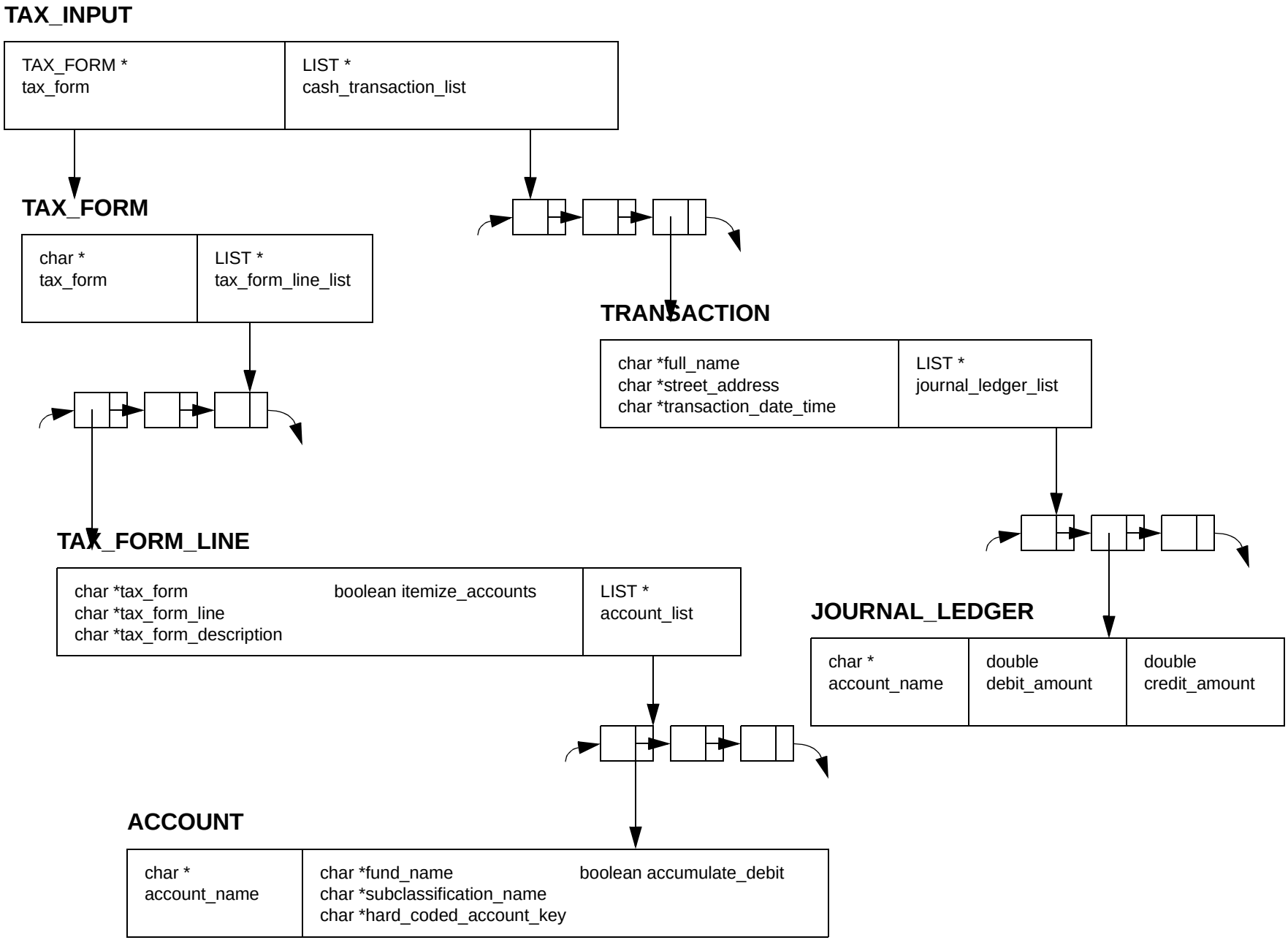
© Tim Riley 2012-2018

TAX



© Tim Riley 2012-2018

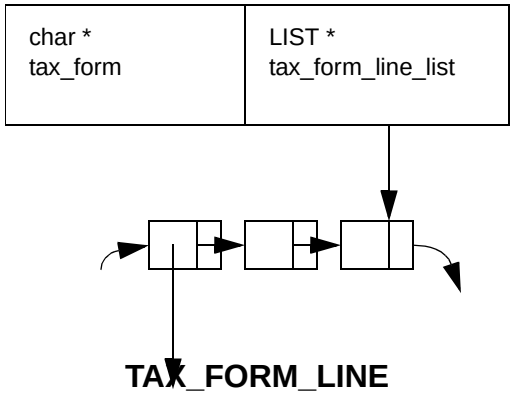
PredictiveBooks Data Structure



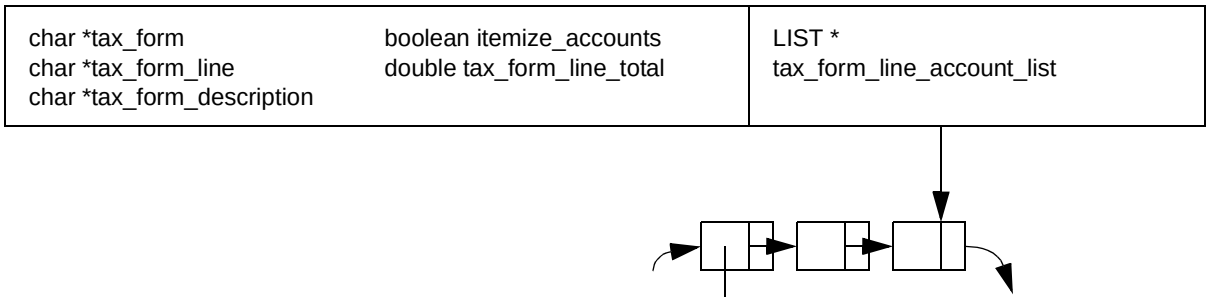
© Tim Riley 2012-2018

PredictiveBooks Data Structure

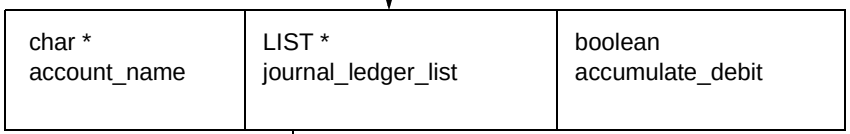
TAX_PROCESS



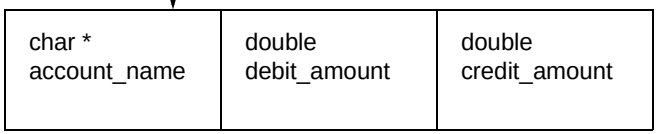
TAX_FORM_LINE



TAX_FORM_LINE_ACCOUNT



JOURNAL_LEDGER



© Tim Riley 2012-2018