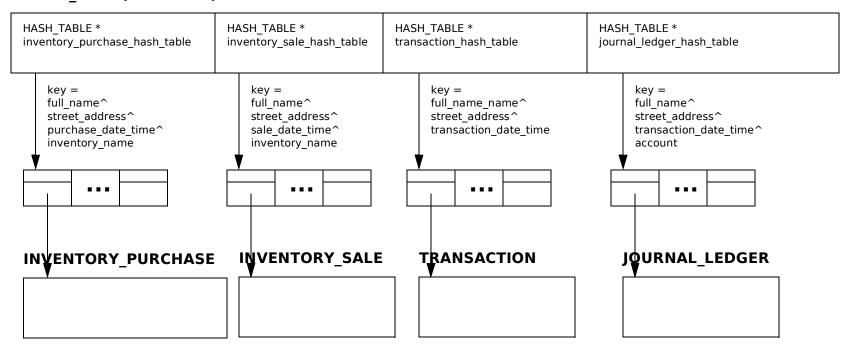
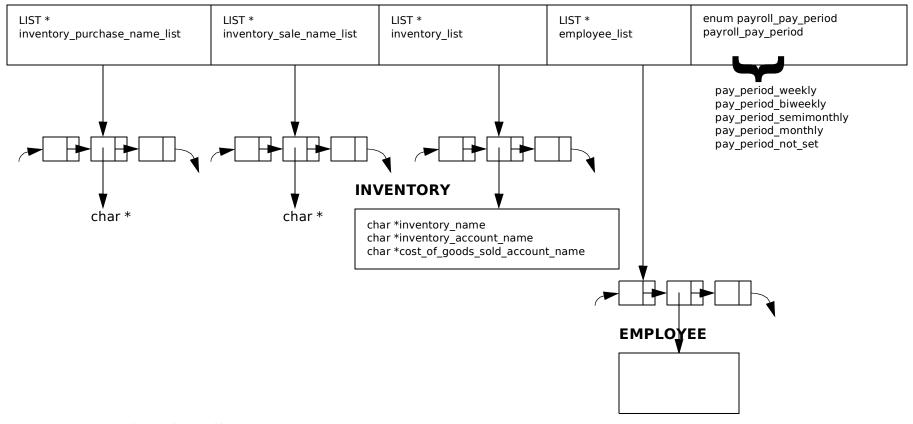


#### **ENTITY SELF (continued)**



#### **ENTITY SELF (continued)**

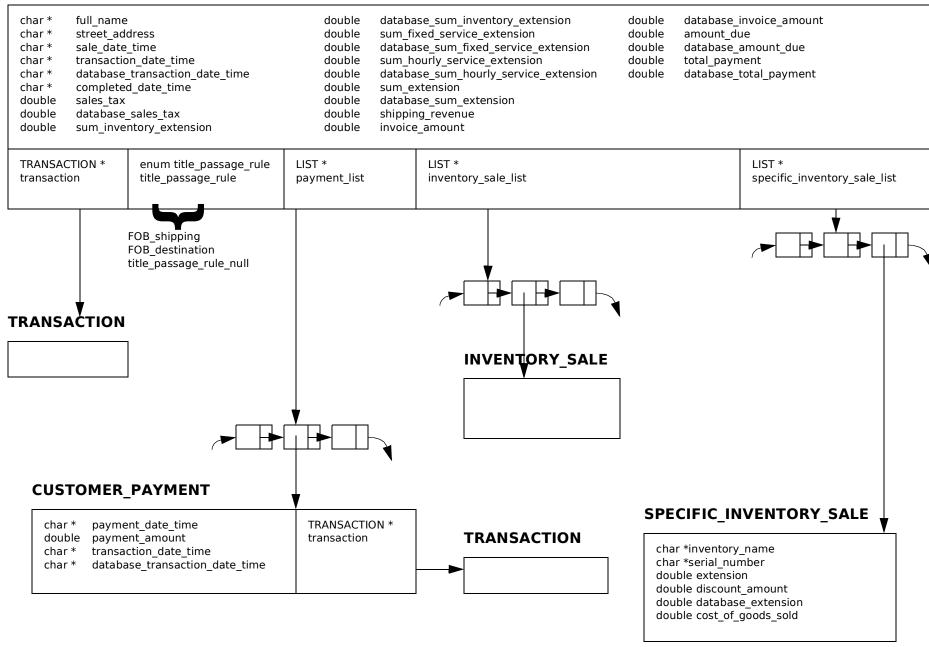


# **ENTITY\_SELF** (continued)

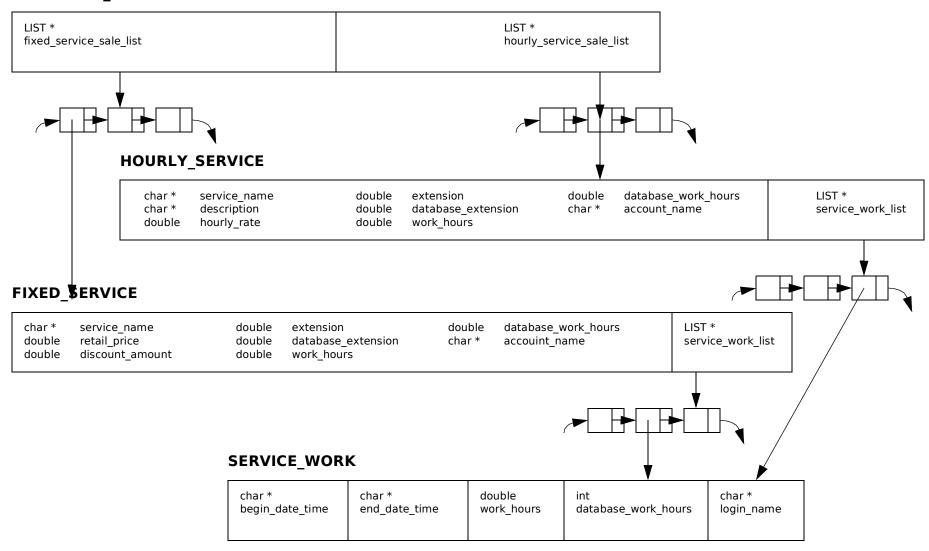
char \*payroll\_beginning\_day
double social\_security\_combined\_tax\_rate
int social\_security\_payroll\_ceiling
double medicare\_combined\_tax\_rate
double medicare\_additional\_withholding\_rate
int medicare\_additional\_gross\_pay\_floor
double federal\_withholding\_allowance\_period\_value
double 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

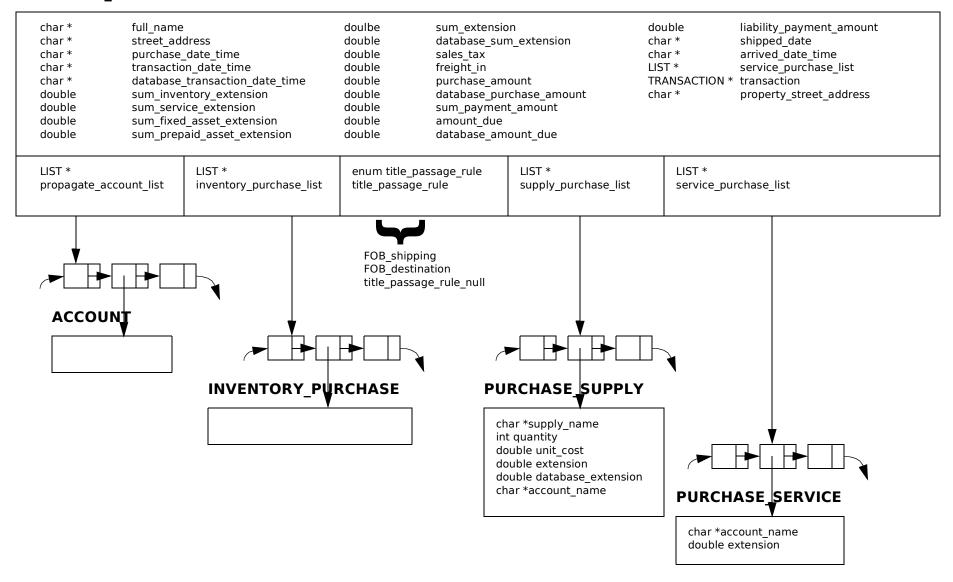
#### CUSTOMER\_SALE (1)



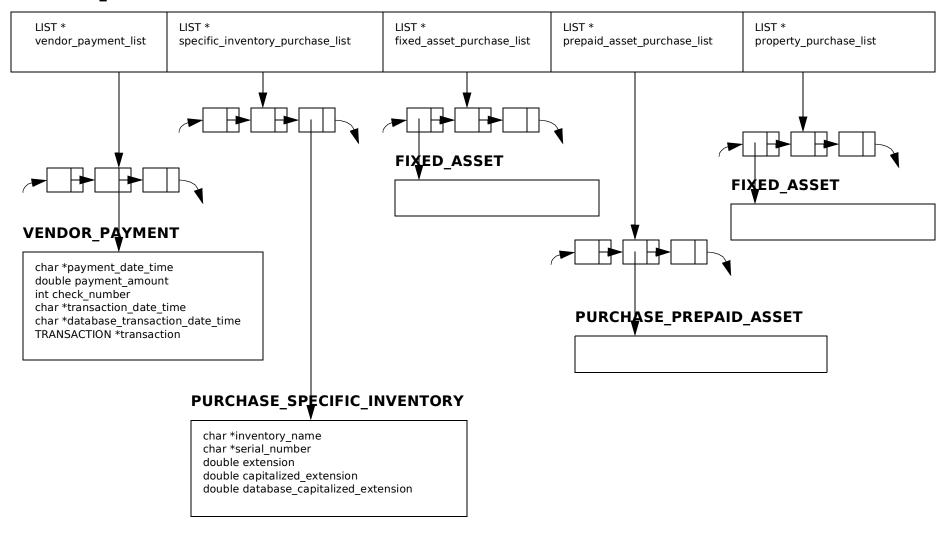
### CUSTOMER\_SALE (2)



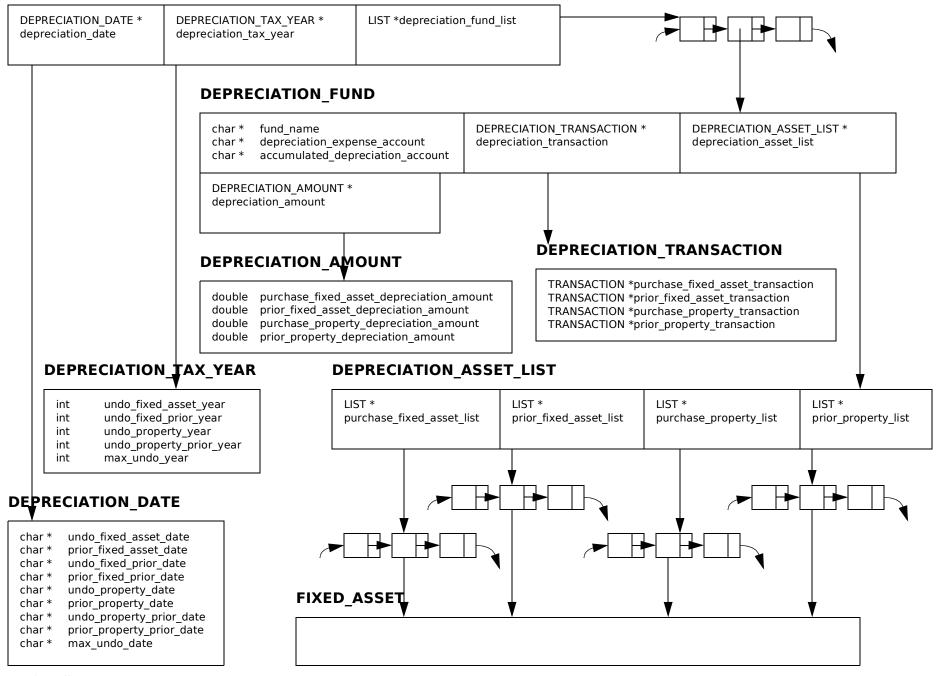
#### **PURCHASE ORDER (1)**



#### PURCHASE\_ORDER (2)

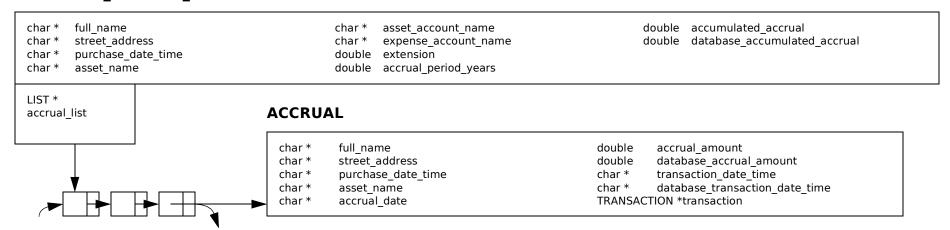


# PredictiveBooks Data Structure DEPRECIATION\_STRUCTURE



For property, store property street address and leave serial number null. **FIXED ASSET** asset\_name char \* int estimated useful life years double tax cost basis char \* serial number int estimated useful life units char \* tax recovery period estimated residual value debit account name int char \* disposal date char \* char \* declining\_balance\_n service\_placement\_date int double finance\_accumulated\_depreciation double extension char \* depreciation method double tax accumulated depreciation TAX RECOVERY \* **DEPRECIATION \*** tax recovery depreciation TAX\_RECOVERY **DEPRECLATION** service placecment date char \* char \* disposal date char \* depreciation\_date double tax\_cost\_basis int tax\_year int units\_produced char \* tax recovery period double recovery amount double depreciation amount double tax\_recovery\_period\_years double recovery\_percent

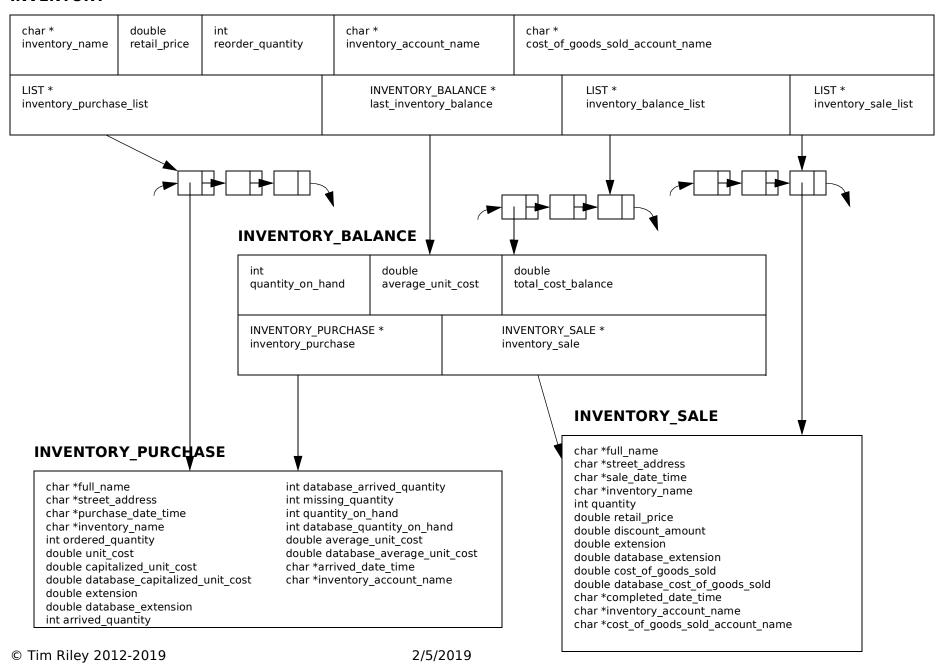
### PURCHASE\_PREPAID\_ASSET



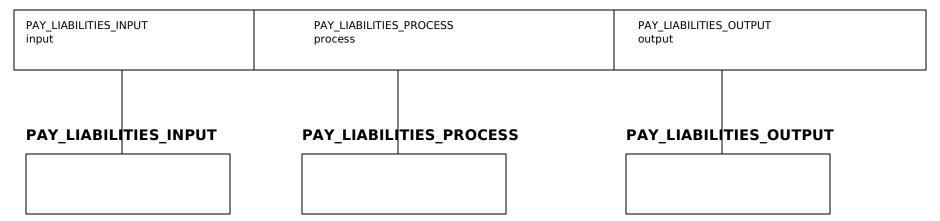
### **VENDOR\_PAYMENT**

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

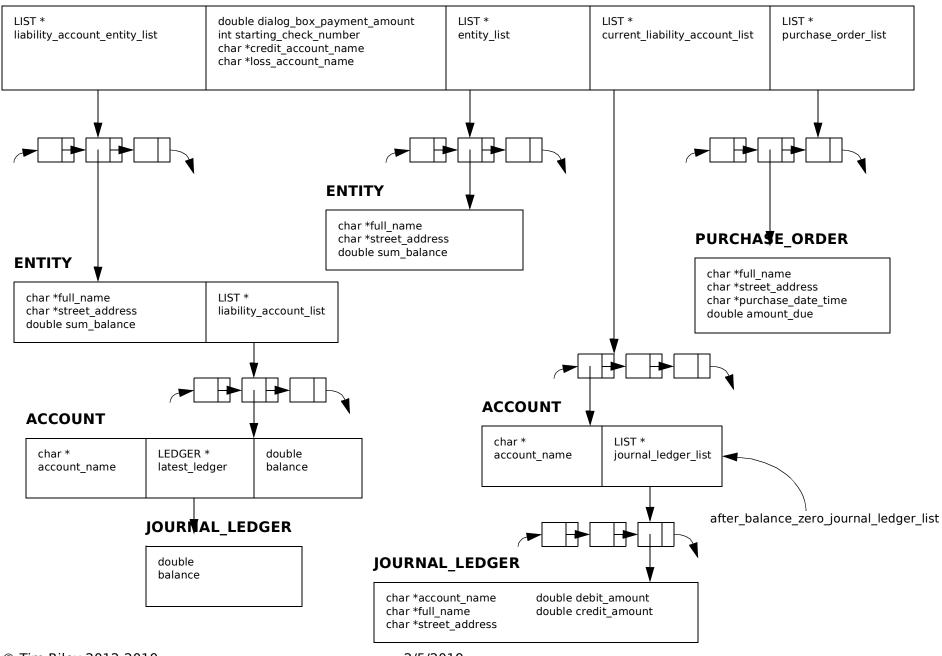
#### **INVENTORY**



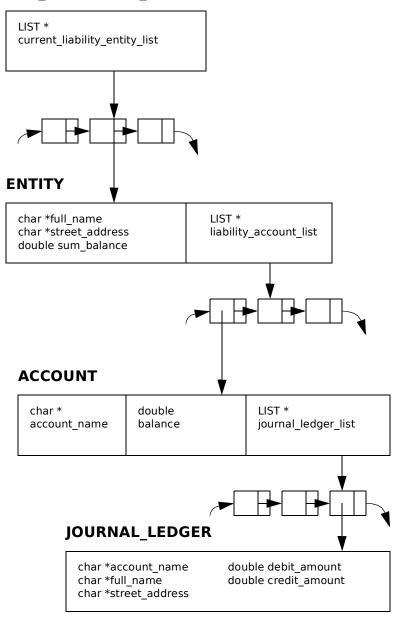
# **PAY\_LIABILITIES**



#### PAY\_LIABILITIES\_INPUT



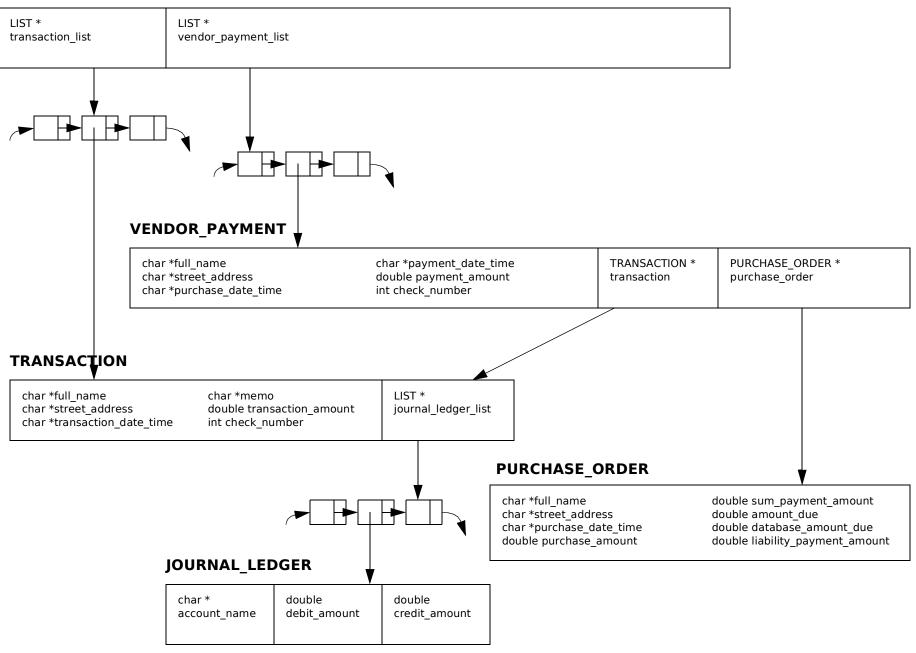
# PAY\_LIABILITIES\_PROCESS (1)



#### PAY\_LIABILITIES\_PROCESS (2)



### PAY\_LIABILITIES\_OUTPUT



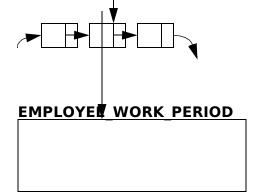
# **PredictiveBooks Data Structure EMPLOYEE**

char \*full name char \*state marital status char \*street address int state withholding allowances double hourly wage int state itemized deduction allowances double period salary int retirement contribution plan employee period amount double commission sum extension percent int retirement contribution plan employer period amount double gross\_pay\_year\_to\_date int health insurance employee period amount double database gross pay year to date int health insurance employer period amount double union dues period amount double net pay year to date char \*terminated 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 LIST \* LIST \* LIST \* **CUSTOMER SALE** employee work day list employee work period list customer sale list **EMPLOYEE WORK PERIOD** double social security\_employee\_tax\_amount char \*full name char \*street address double social security employer tax amount int payroll year double medicare employee tax amout int payroll period number double medicare employer tax amount char \*begin work date int char \*end work date retirement contribution plan employee amount double regular work hours int retirement contribution plan employer amount double overtime work hours int health insurance employee amount double commission sum extension int health insurance employer amount double gross pay double federal unemployment tax amount **EMPLOYEE WORK DAY** double net pay double state unemployment tax amount double payroll tax amount int union dues amount char \*begin work date time double federal tax withholding amount char \*transaction date time char \*end work date time double state tax withholding amount double employee work hours double database employee work hours TRANSACTION \* boolean overtime work day transaction TRANSACTION

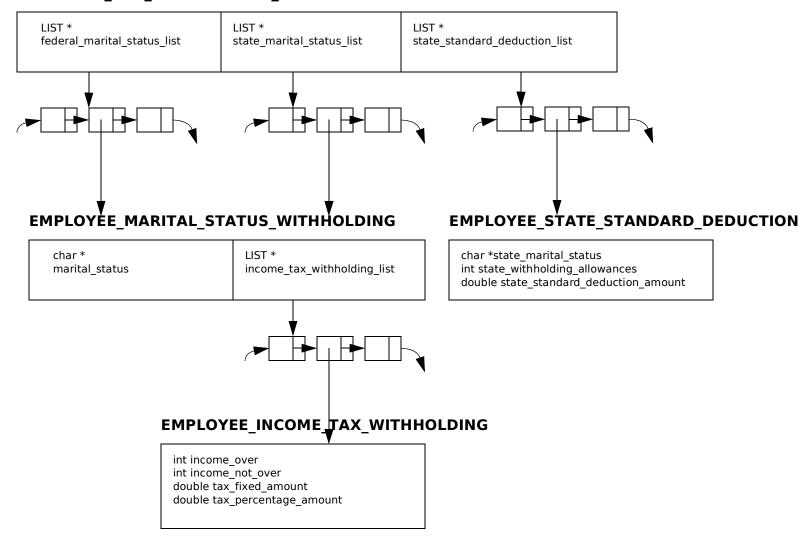
#### **PAYROLL POSTING**

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\_extgension 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

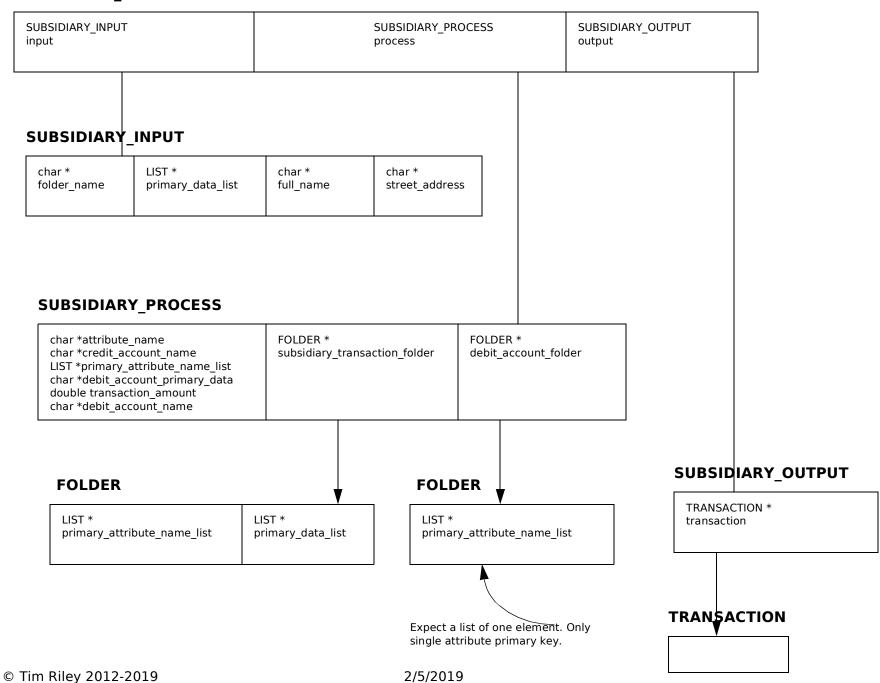
# LIST \* employee work period list



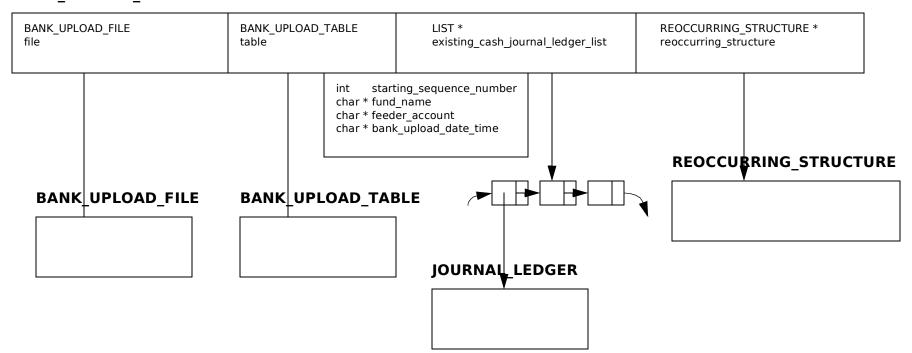
#### EMPLOYEE\_TAX\_WITHHOLDING\_TABLE



#### **SUBSIDIARY TRANSACTION**



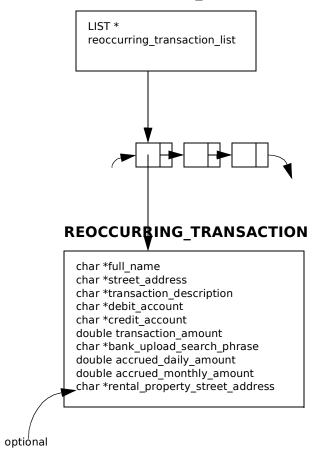
### **BANK\_UPLOAD\_STRUCTURE**



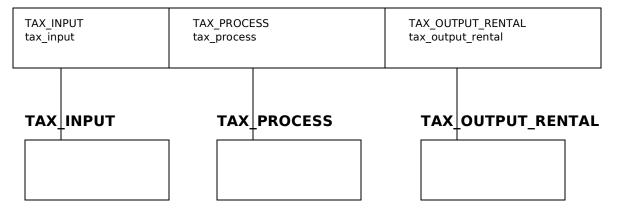
#### **BANK UPLOAD FILE** BANK\_UPLOAD\_TABLE LIST \* char \* input\_filename date\_piece\_offset LIST \* char \* file\_sha256sum bank\_upload\_file\_list int description\_piece\_offset bank\_upload\_table\_list debit\_piece\_offset char \* minimum bank date int file row count credit piece offset int int table\_insert\_count int balance piece offset LIST \* error\_line\_list char BANK UPLOAD char \*bank date TRANSACTION \* LIST \* char \*bank description reconciled transaction list transaction int sequence\_number double bank amount double bank running balance char \*fund\_name

**TRANSACTION** 

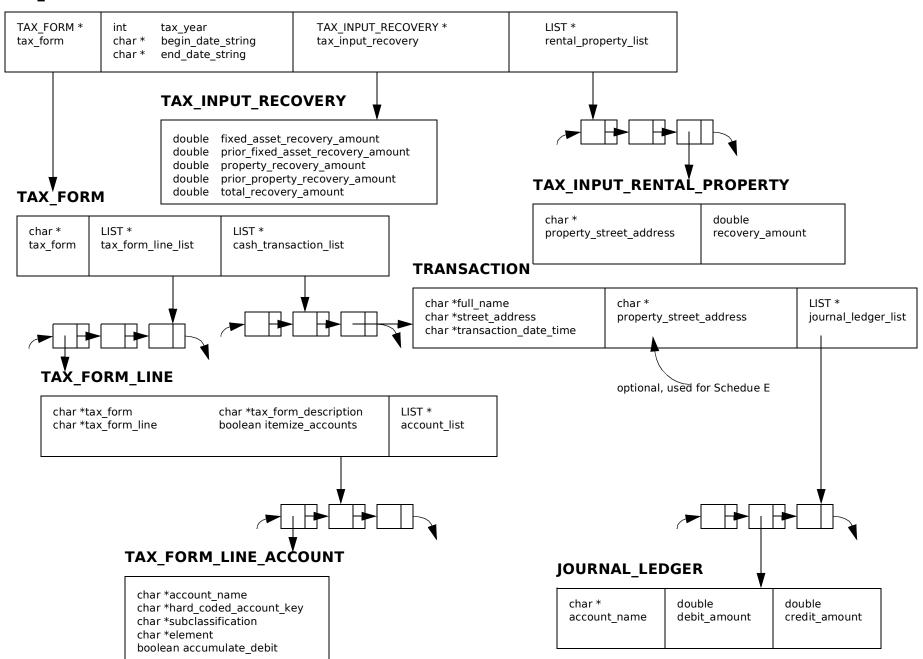
#### **REOCCURRING\_STRUCTURE**



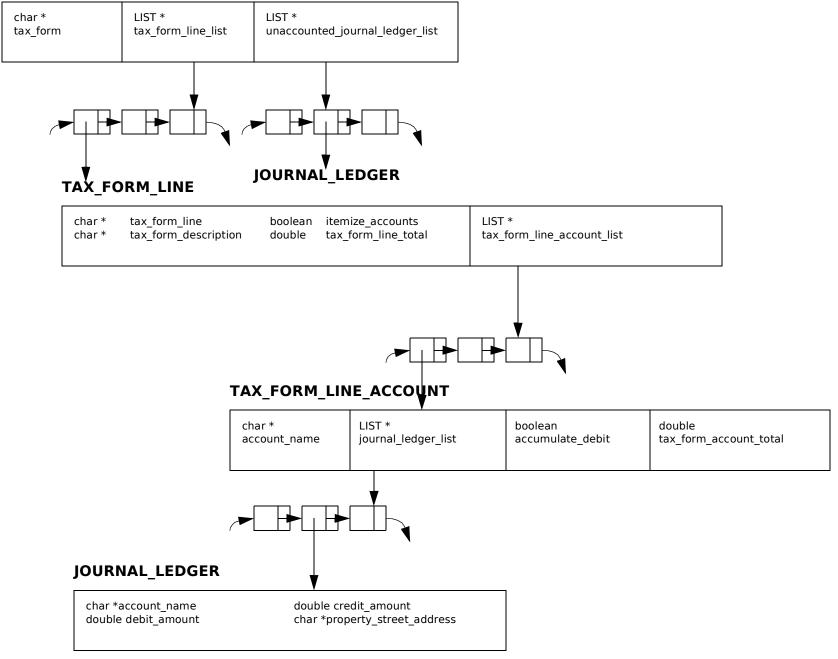
### TAX



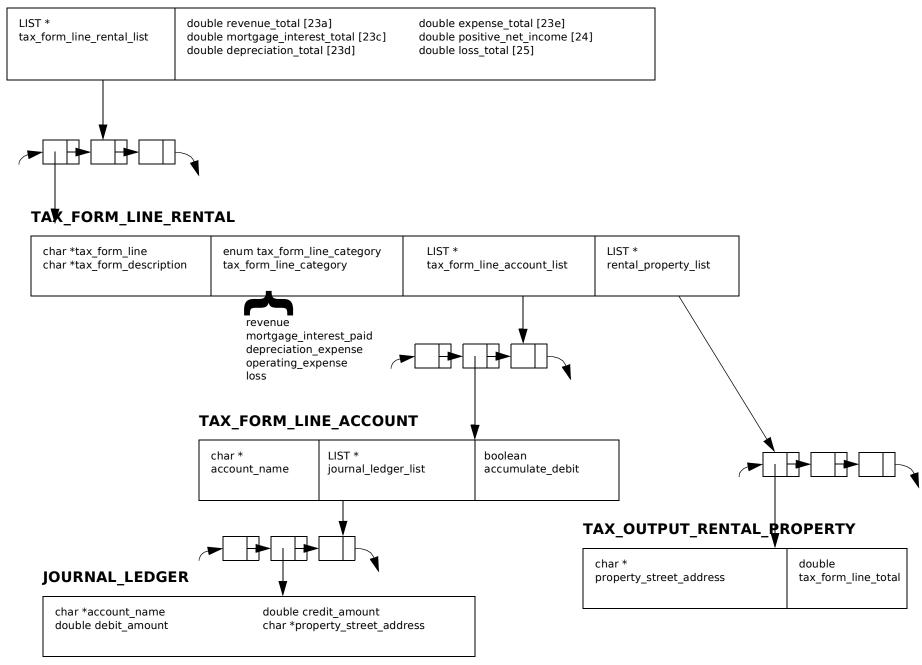
#### **TAX INPUT**



#### **TAX PROCESS**



#### TAX OUTPUT RENTAL



#### **INVESTMENT EQUITY**

