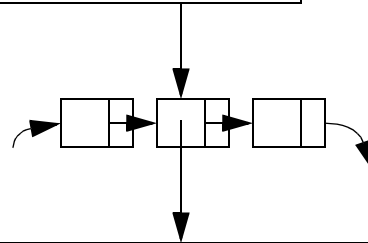


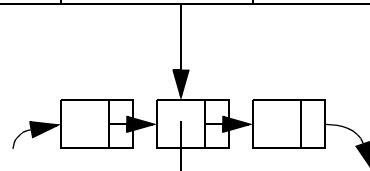
ELEMENT

char * element_name	boolean accumulate_debit	LIST * subclassification_list
------------------------	-----------------------------	----------------------------------



SUBCLASSIFICATION

char * subclassification_name	LIST * account_list	double subclassification_total
----------------------------------	------------------------	-----------------------------------



ACCOUNT

char * account_name	LEDGER * latest_ledger	LIST * journal_ledger_list
------------------------	---------------------------	-------------------------------

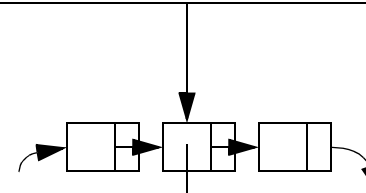


JOURNAL_LEDGER

char * full_name	char * street_address	char * transaction_date_time	char * account_name			
double previous_balance	double database_previous_balance	double debit_amount	double credit_amount	double balance	double database_balance	

TRANSACTION

char * full_name	char * street_address	char * transaction_date_time	char * memo
double transaction_amount		double database_transaction_amount	
LIST * journal_ledger_list			

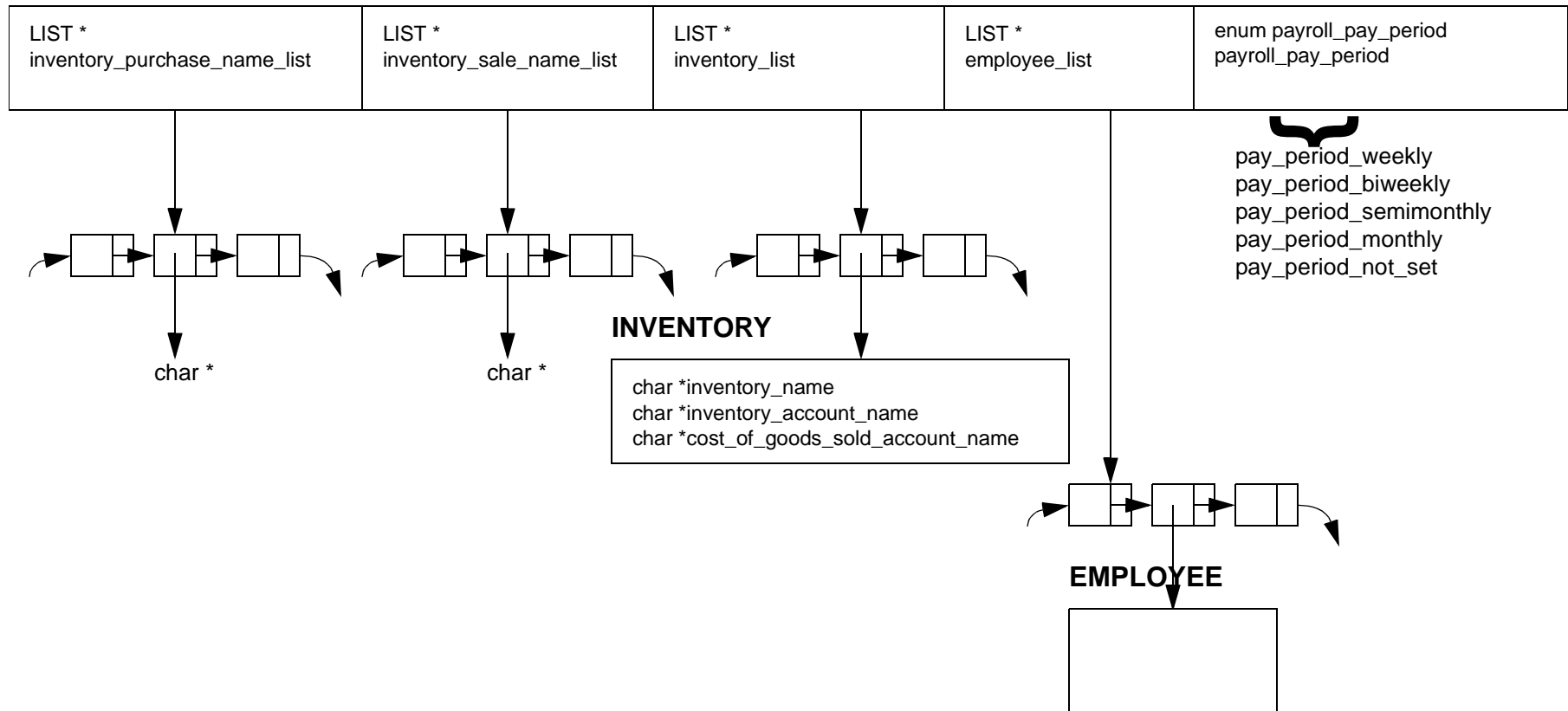




ENTITY_SELF (continued)



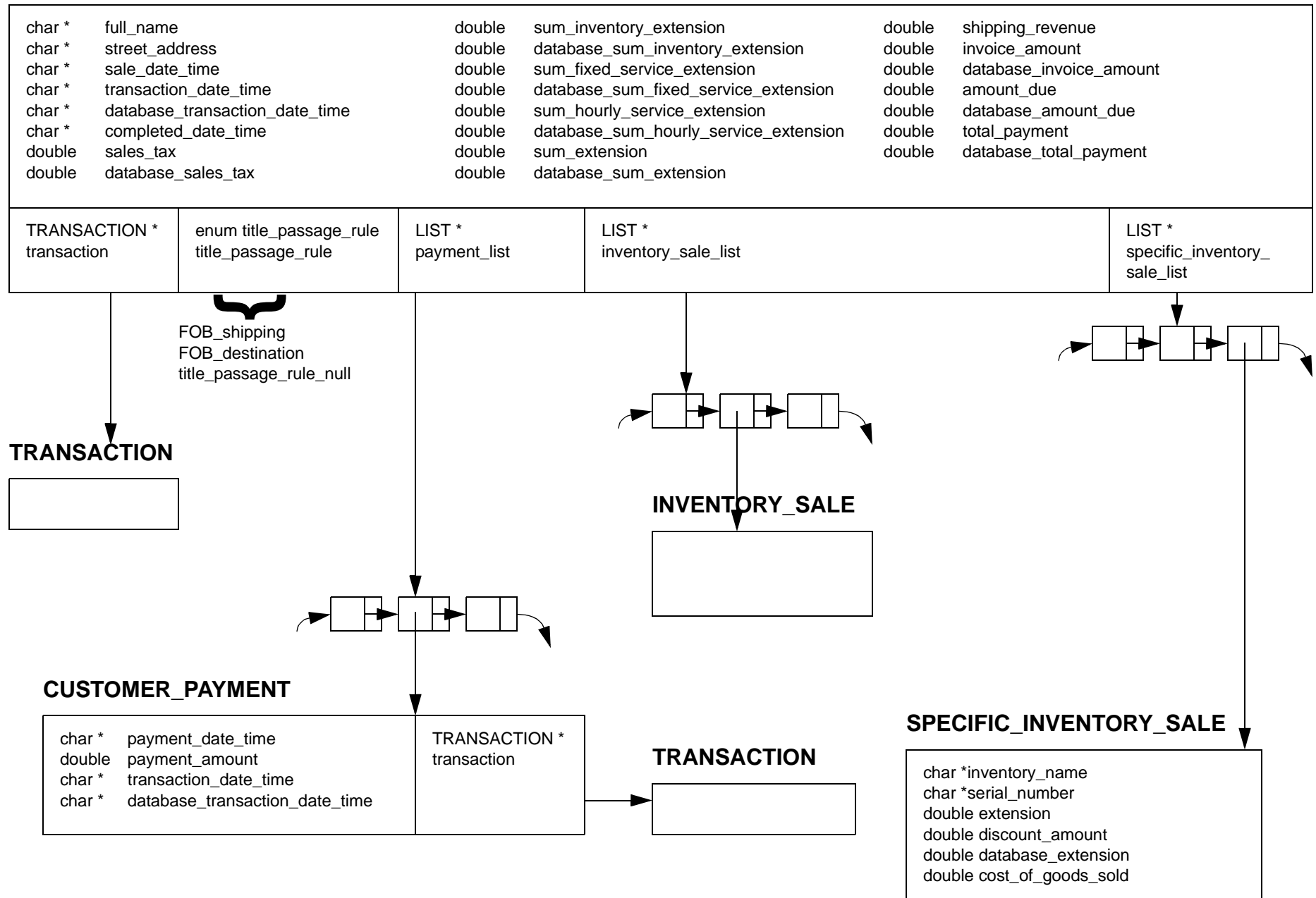
ENTITY_SELF (continued)



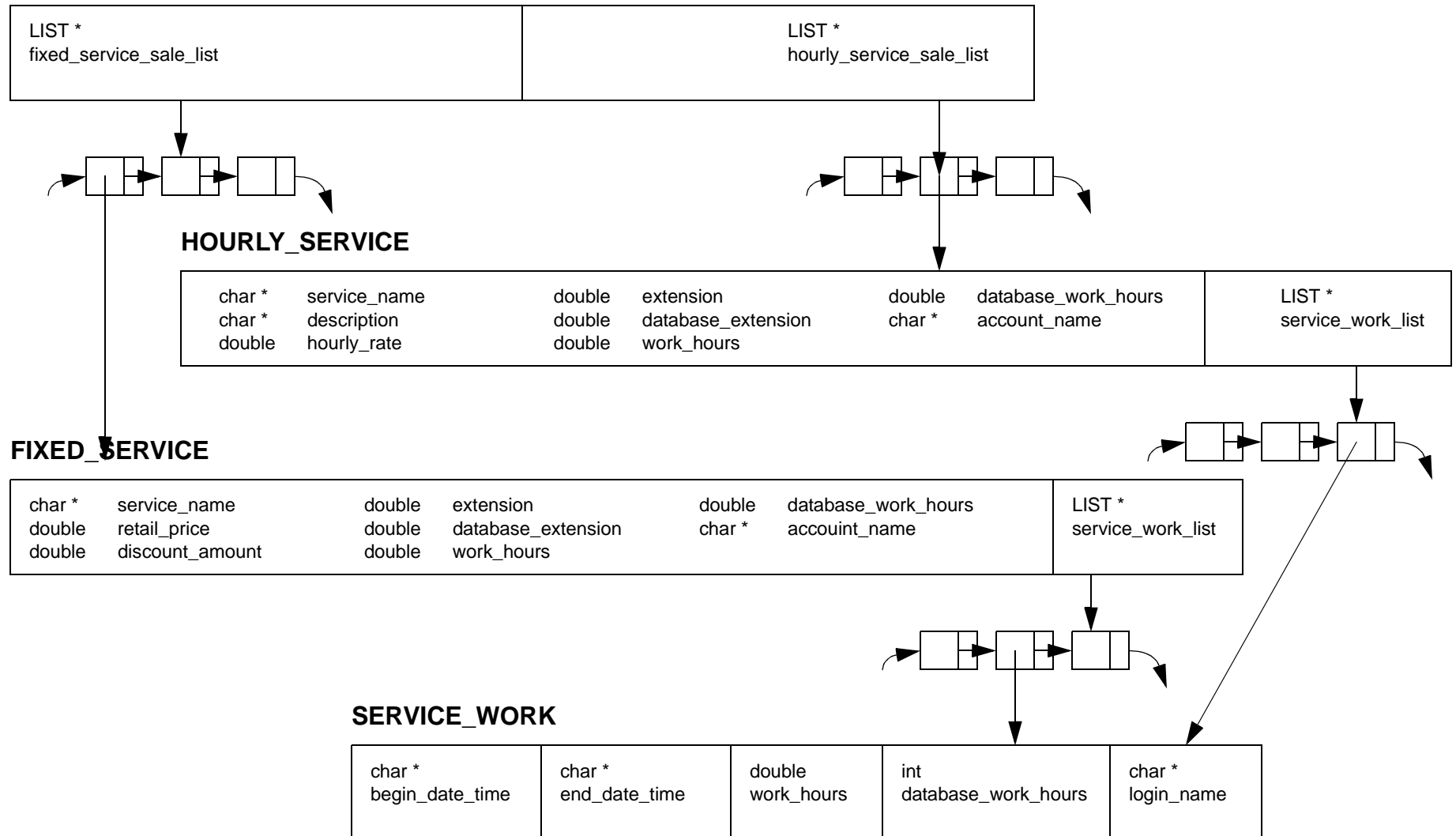
ENTITY_SELF (continued)

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
--	--

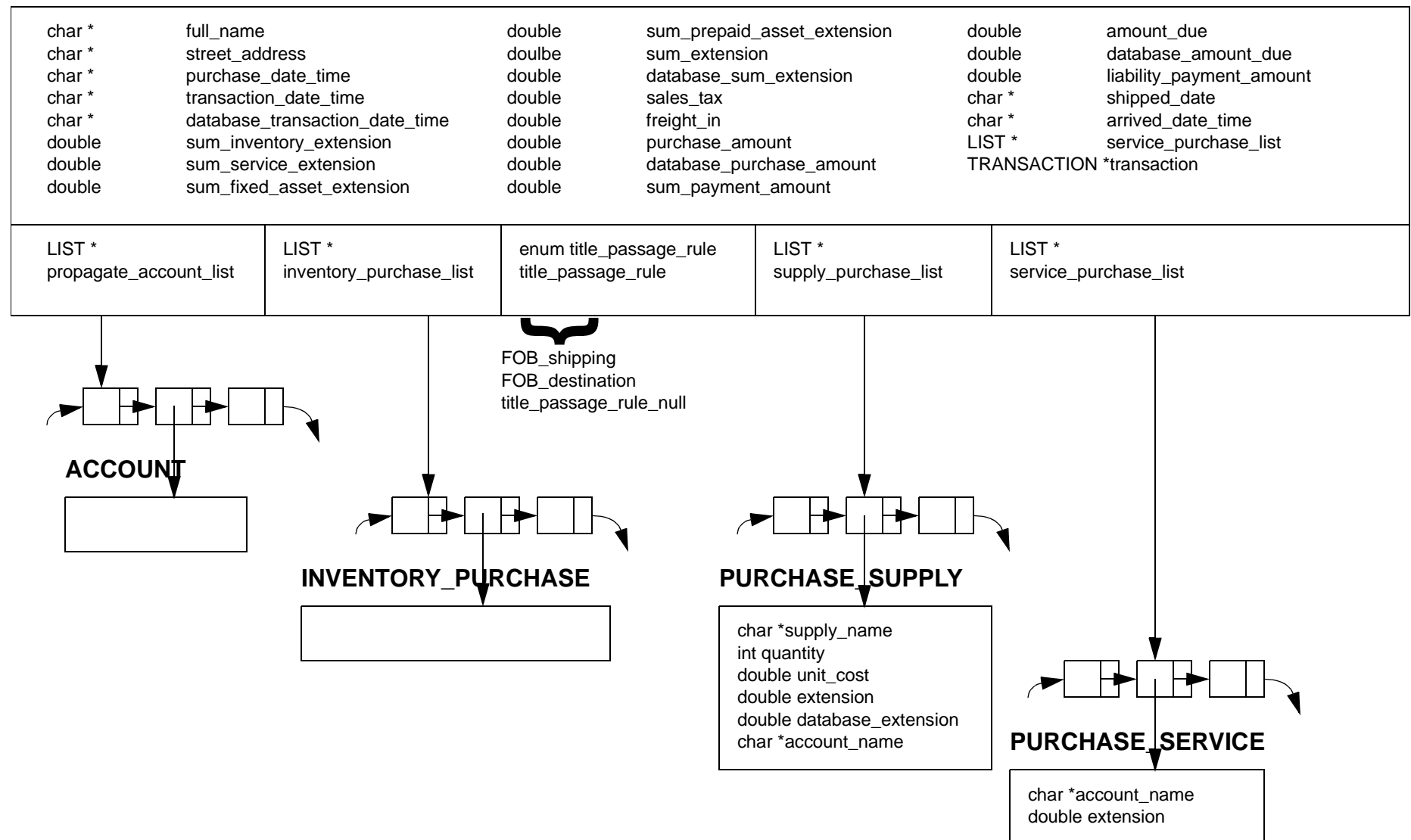
CUSTOMER_SALE (1)



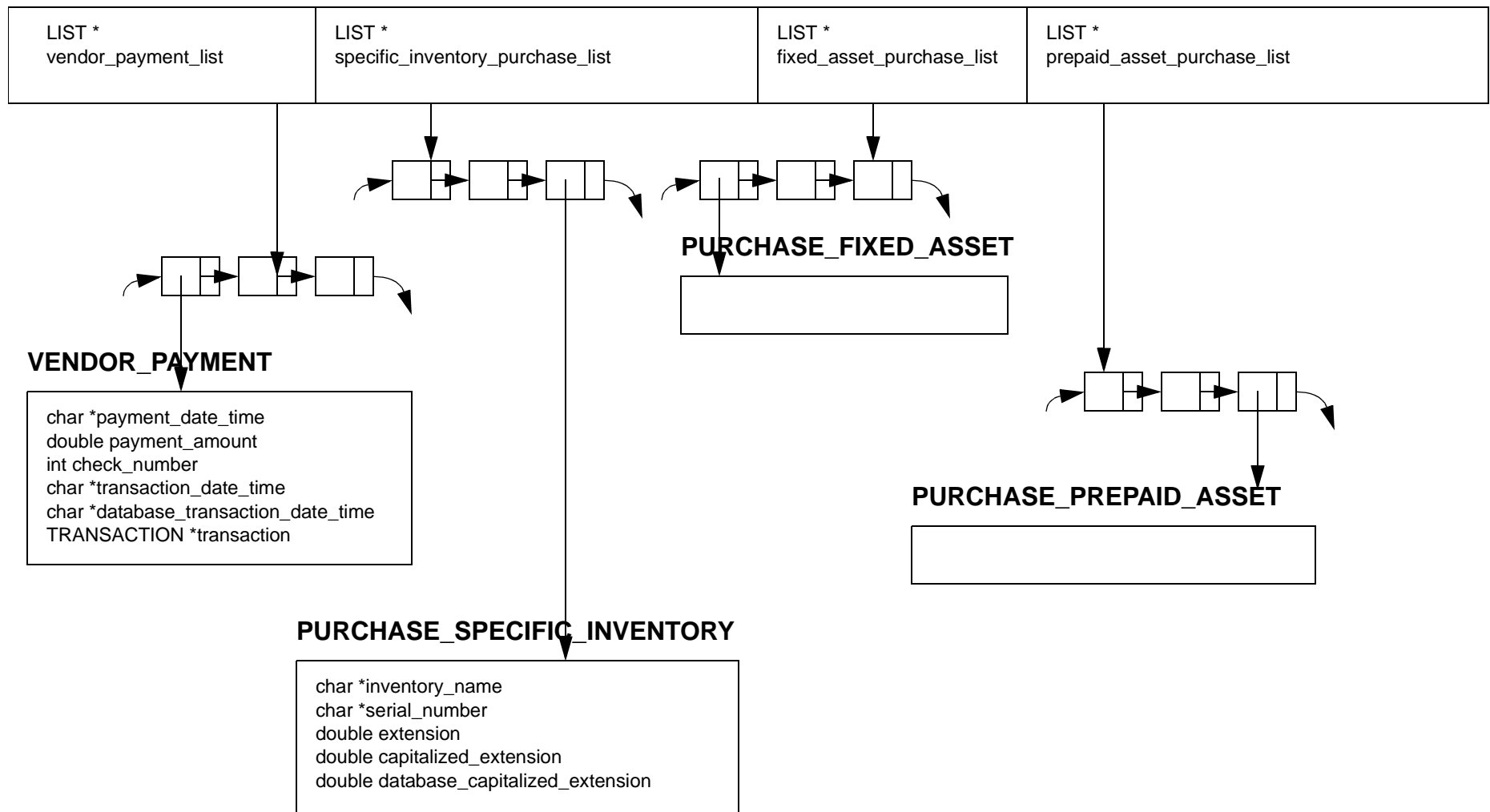
CUSTOMER_SALE (2)



PURCHASE_ORDER (1)



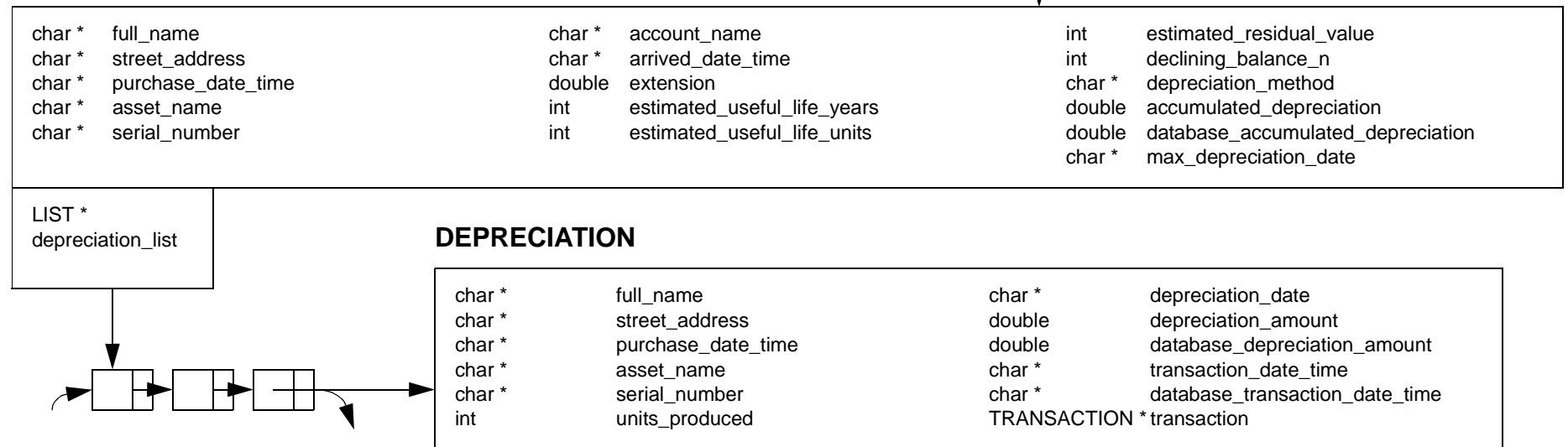
PURCHASE_ORDER (2)



FIXED_ASSET_DEPRECIATION



PURCHASE_FIXED_ASSET



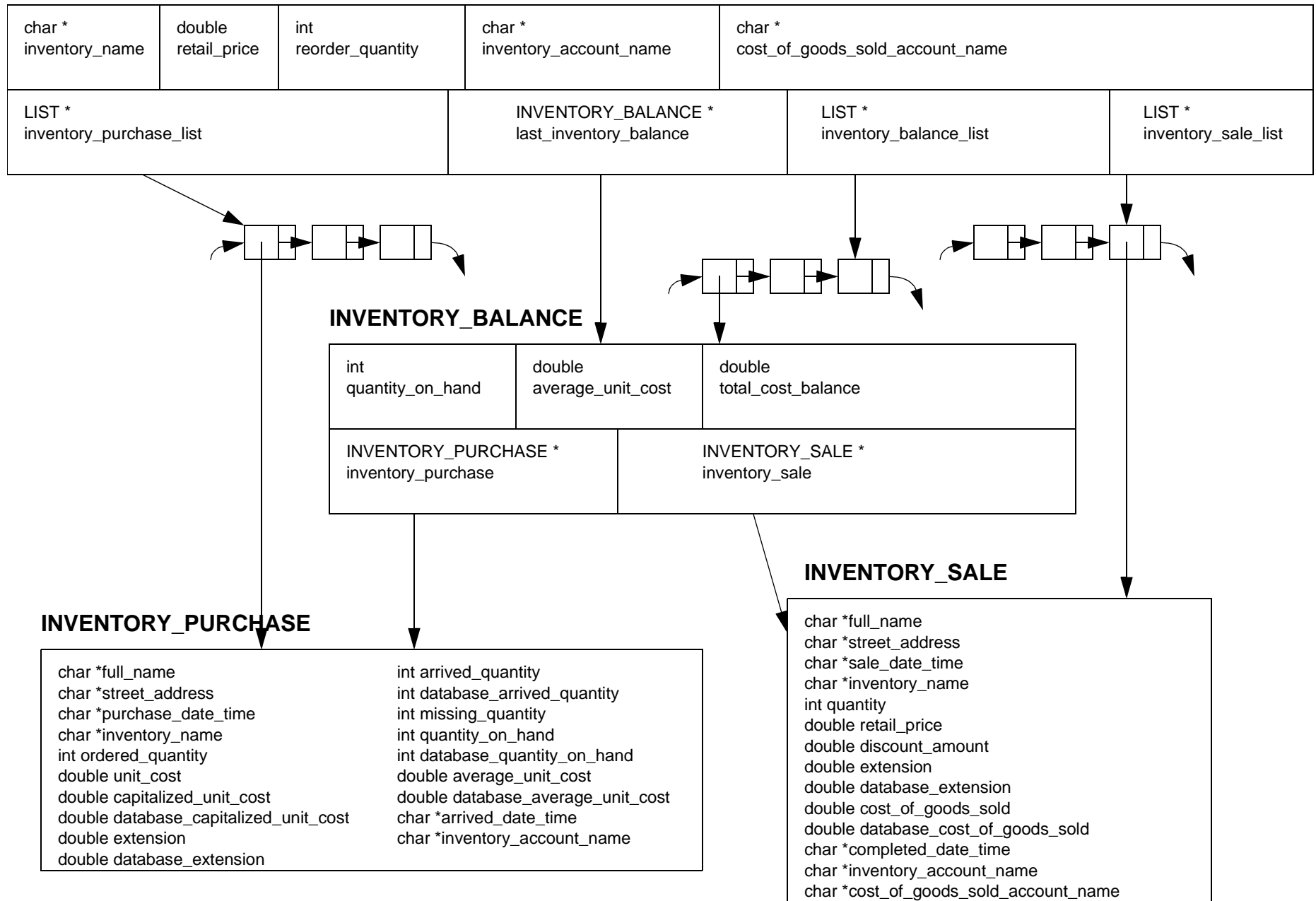
PURCHASE_PREPAID_ASSET



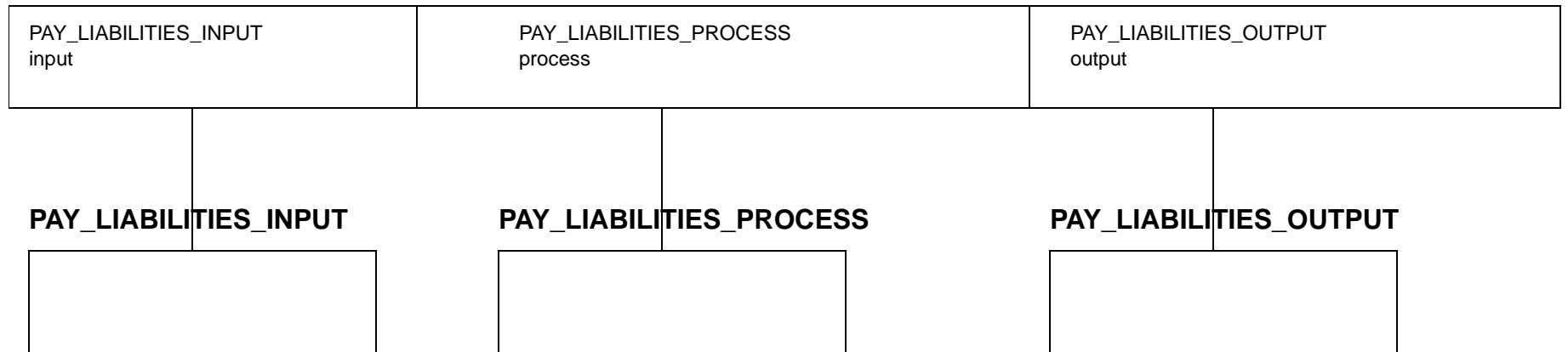
VENDOR_PAYMENT



INVENTORY



PAY_LIABILITIES



The diagram illustrates a database schema for a financial system, showing the relationships between various entities and their attributes. The schema is organized into several sections, each representing a different type of entity or list.

Entities and Lists:

- ENTITY:** Contains attributes: `char *full_name`, `char *street_address`, and `double sum_balance`.
- ACCOUNT:** Contains attributes: `char *account_name`, `LEDGER * latest_ledger`, and `double balance`.
- JOURNAL_LEDGER:** Contains the attribute: `double balance`.
- PURCHASE_ORDER:** Contains attributes: `char *full_name`, `char *street_address`, `char *purchase_date_time`, and `double amount_due`.

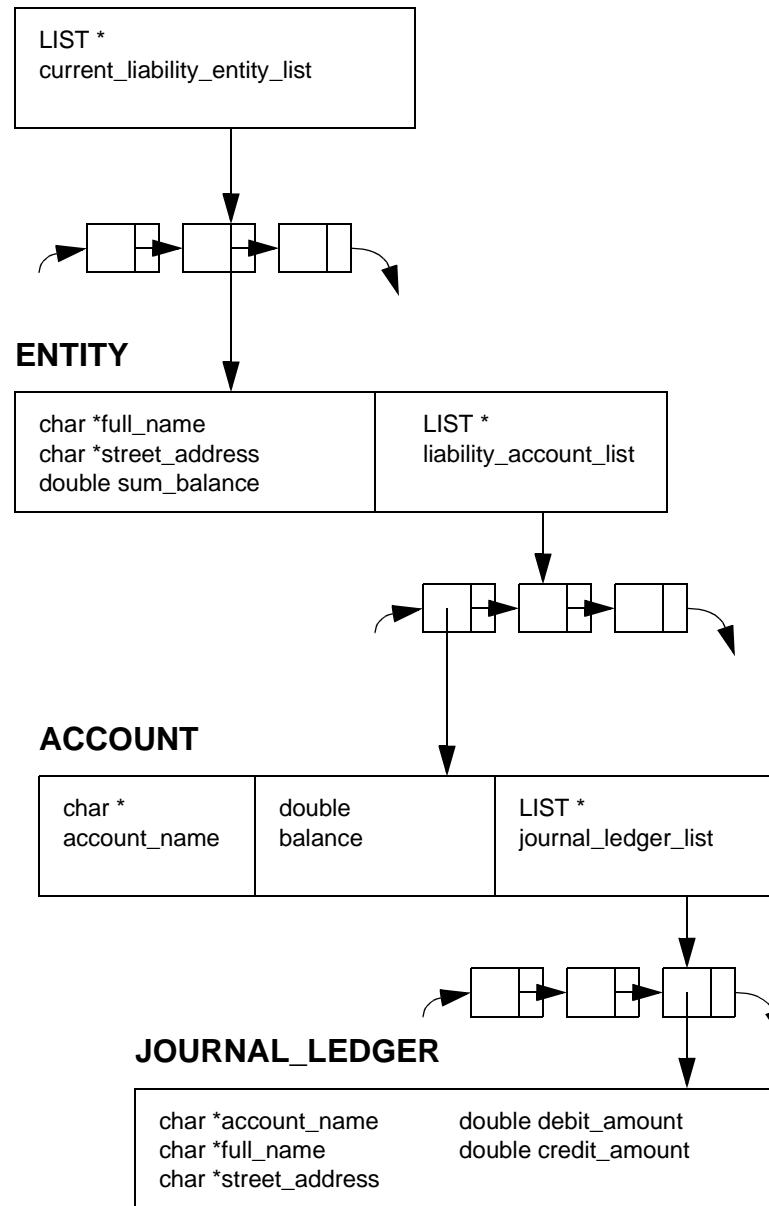
Lists and Pointers:

- LIST * liability_account_entity_list:** Points to the **ENTITY** entity.
- LIST * entity_list:** Points to the **ENTITY** entity.
- LIST * current_liability_account_list:** Points to the **ACCOUNT** entity.
- LIST * purchase_order_list:** Points to the **PURCHASE_ORDER** entity.
- LIST * journal_ledger_list:** Points to the **JOURNAL_LEDGER** entity.

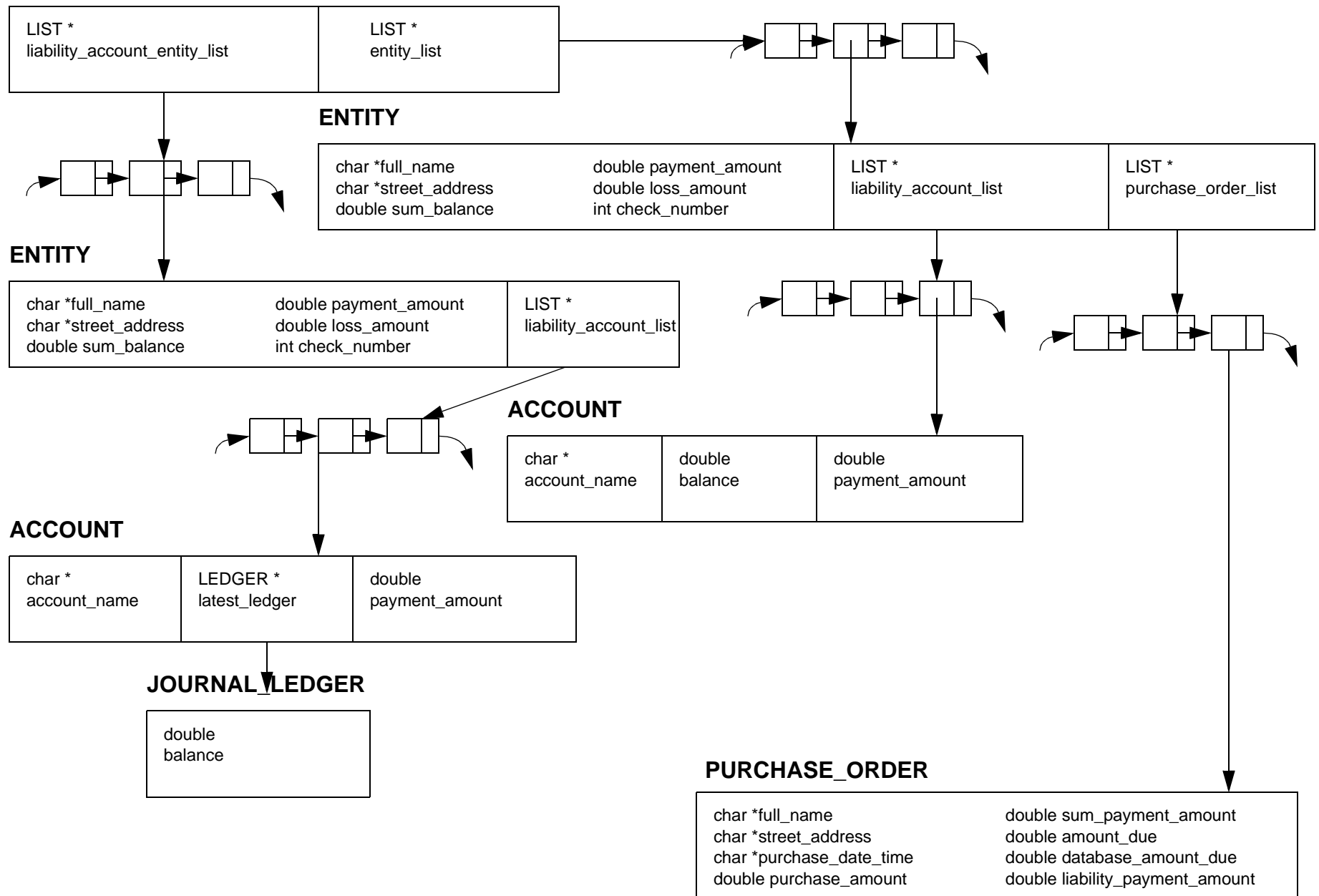
Relationships and Flow:

- The **ENTITY** entity is linked to the **ACCOUNT** entity via the **liability_account_entity_list** list.
- The **ACCOUNT** entity is linked to the **JOURNAL_LEDGER** entity via the **latest_ledger** attribute.
- The **ACCOUNT** entity is linked to the **JOURNAL_LEDGER** entity via the **journal_ledger_list** list.
- The **JOURNAL_LEDGER** entity is linked to the **ACCOUNT** entity via the **after_balance_zero_journal_ledger_list** list.

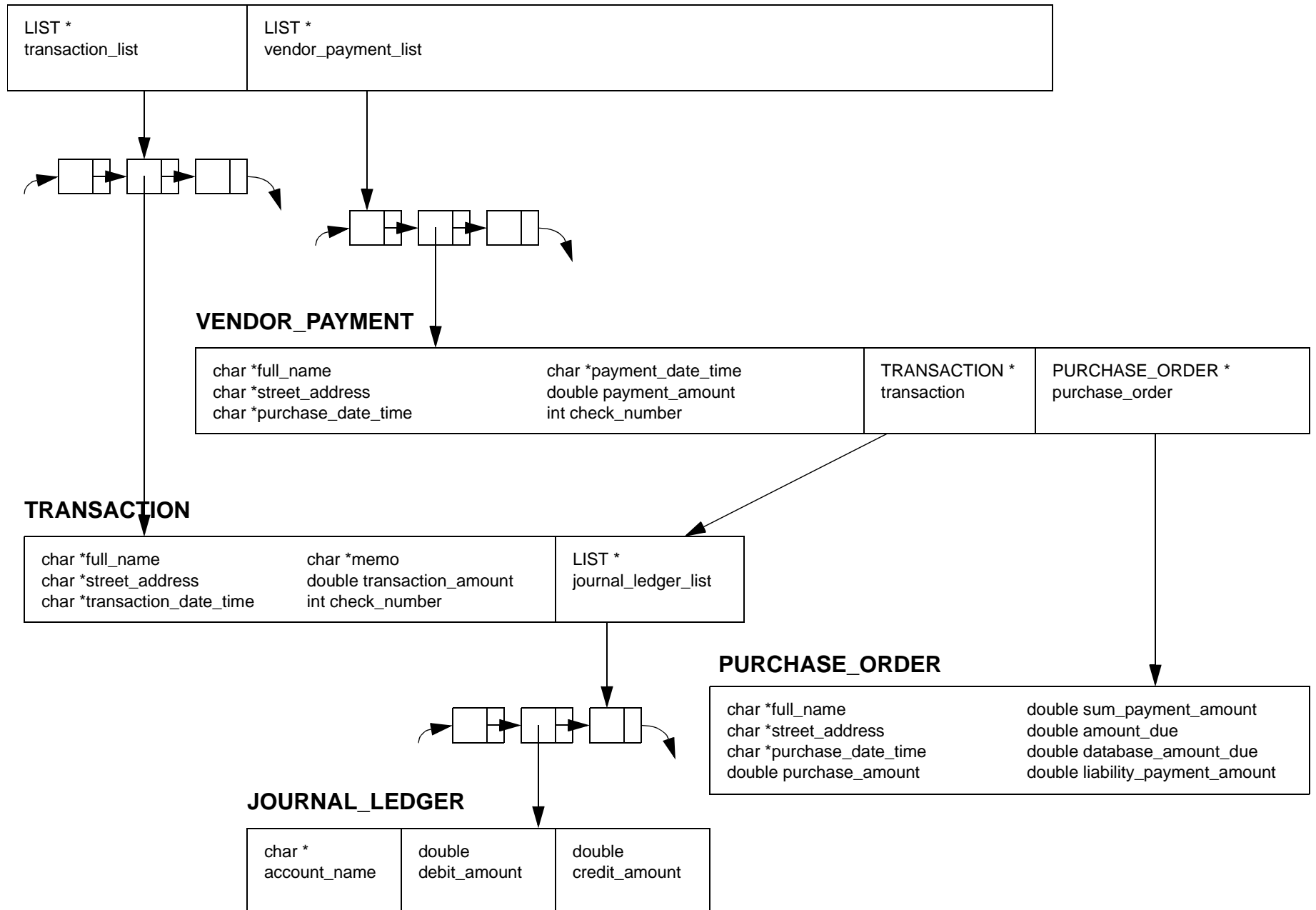
PAY_LIABILITIES_PROCESS (1)



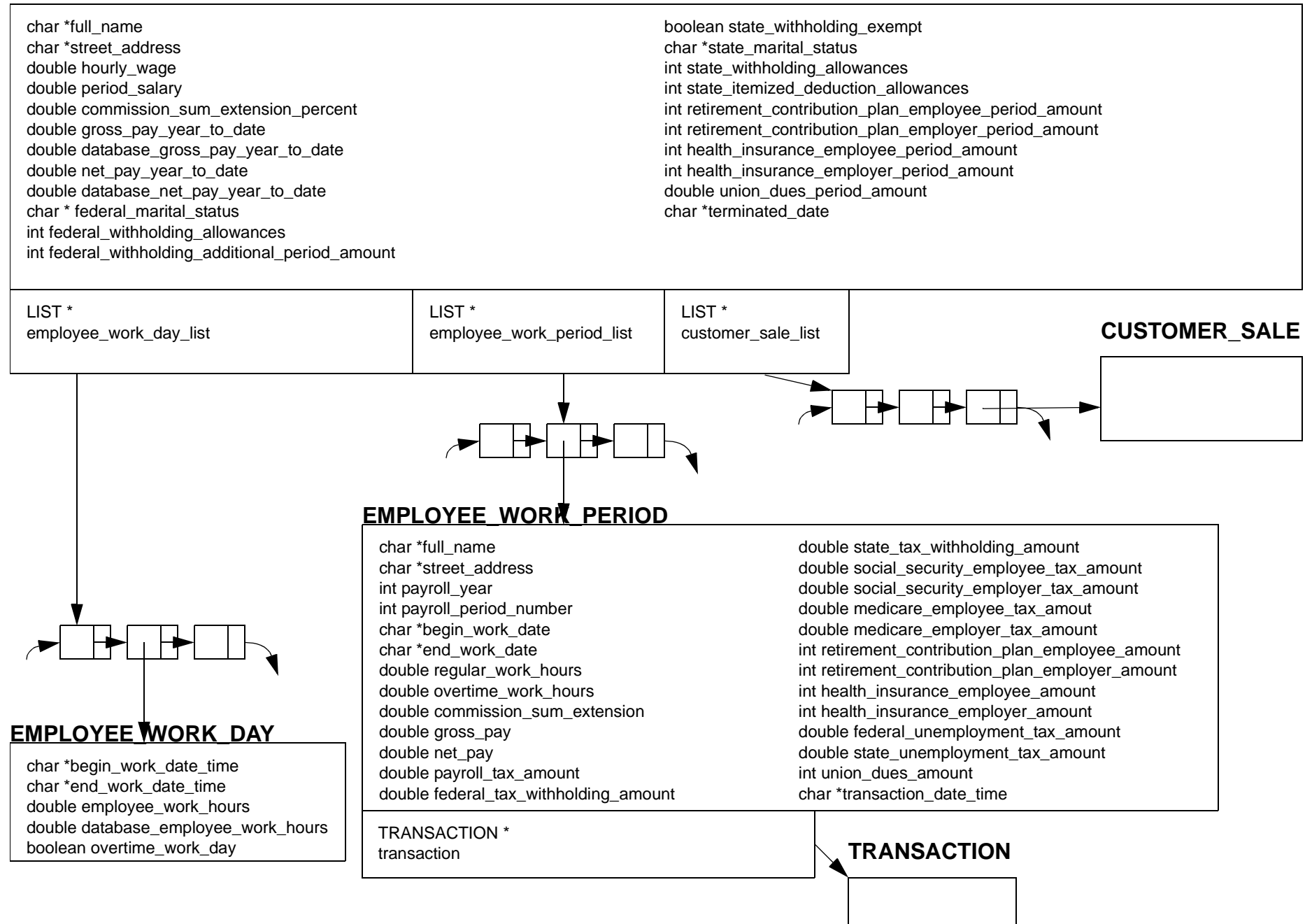
PAY_LIABILITIES_PROCESS (2)



PAY LIABILITIES OUTPUT



EMPLOYEE

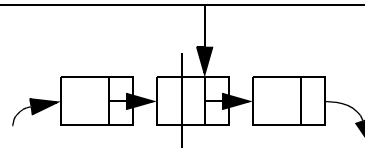


PAYROLL POSTING

```

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_amount
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

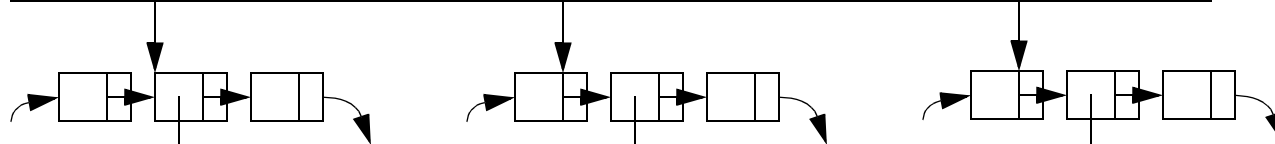


EMPLOYEE WORK PERIOD



EMPLOYEE_TAX_WITHHOLDING_TABLE

LIST * federal_marital_status_list	LIST * state_marital_status_list	LIST * state_standard_deduction_list
---------------------------------------	-------------------------------------	---

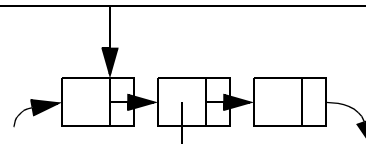


EMPLOYEE_MARITAL_STATUS_WITHHOLDING

char * marital_status	LIST * income_tax_withholding_list
--------------------------	---------------------------------------

EMPLOYEE_STATE_STANDARD_DEDUCTION

char *state_marital_status
int state_withholding_allowances
double state_standard_deduction_amount



EMPLOYEE_INCOME_TAX_WITHHOLDING

int income_over
int income_not_over
double tax_fixed_amount
double tax_percentage_amount

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

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