



Layout with Tools

Table currency			
* Pk	currency_id	char(3)	ISO4217 ALPHA3 currency code
Indexes			
Pk	pk_currency	currency_id	

Table currency_rate			
* Pk	rate_id	bigint	
* Idx	currency_id_from	char(3)	ISO4217 ALPHA3 currency code
* Idx	currency_id_to	char(3)	ISO4217 ALPHA3 currency code
*	exchange_rate	decimal(16,4)	Курс обмена
*	created	int	Дата внесения
Indexes			
Pk	pk_currency_rate	rate_id	
	fk_currency_rate_currency_currency_id	currency_id_from	
	fk_currency_rate_currency_currency_id2	currency_id_to	
Foreign Keys			
	fk_currency_rate_currency_currency_id (currency_id_from) ref currency (currency_id)		
	fk_currency_rate_currency_currency_id2 (currency_id_to) ref currency (currency_id)		

Table user		
* Pk	user_id	int
Indexes		
Pk	pk_user	user_id

Table wallet			
* Unq	user_id	int	
* Pk	wallet_id	int	
* Idx	currency_id	char(3)	ISO4217 ALPHA3 currency code
*	amount	decimal(16,2)	
Indexes			
Pk	pk_wallet	wallet_id	
Unq	uk_wallet_user_id	user_id	
	fk_wallet_currency_currency_id	currency_id	
Foreign Keys			
	fk_wallet_currency_currency_id (currency_id) ref currency (currency_id)		
	fk_wallet_user_user_id (user_id) ref user (user_id)		

Table wallet_transaction			
* Pk	transaction_id	bigint	
* Idx	wallet_id	int	
*	transaction_type	enum('debit','credit')	Тип транзакции

Table wallet_transaction			
*	currency_id	char(3)	Валюта транзакции
* Idx	amount_transaction	decimal(16,2)	Сумма в валюте транзакции
*	rate	decimal(16,4)	Курс обмена в валюту кошелька
*	amount_wallet	decimal(16,2)	Сумма в валюте кошелька
*	reason	enum('stock','refund')	Причина изменения счета
*	created	int	Дата внесения
Indexes			
Pk	pk_wallet_transaction	transaction_id	
	fk_wallet_transaction_currency_currency_id	currency_id	
	fk_wallet_transaction_wallet_wallet_id	wallet_id	
Foreign Keys			
	fk_wallet_transaction_currency_currency_id (currency_id) ref currency (currency_id)		
	fk_wallet_transaction_wallet_wallet_id (wallet_id) ref wallet (wallet_id)		