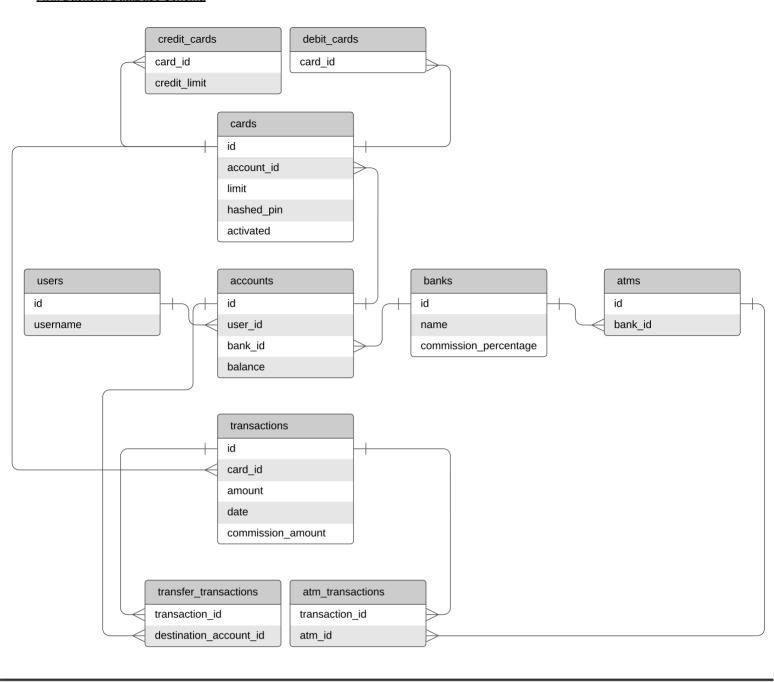
ATM Backend DataBase Schema



To simplify the development, the IBAN corresponds to the account ID and the validation of the IBAN consists of checking whether an account with this ID exists.

For transactions we use the same method as explained below for cards. We store the commissions in the parent, these can be 0 which would mean there is no commission.

Below is an explanation of the different inheritance options and a brief explanation.

limit

credit_limit

hashed_pin credit_limit activated

cards	credit_cards	debit_cards	This is the option I like the most because it has none of the disadvantages of the options below.
id	card_id	card_id	
account_id	credit_limit		options below.
limit			
hashed_pin			
activated			
			I did not choose this
credit_cards	debit_card		because any changes to cards would have to be applied to both boards (or more, if there were more card types).
id	id		
account_id	account_id		
limit	limit		
credit_limit	hashed_pin		
hashed_pin	activated		
activated			
cards			I did not choose this because it implies a field
id			that a card type does not
account_id			use and would have a lot of

nulls. Also, any additional

fields of a card type will have to be for all the different card

types.