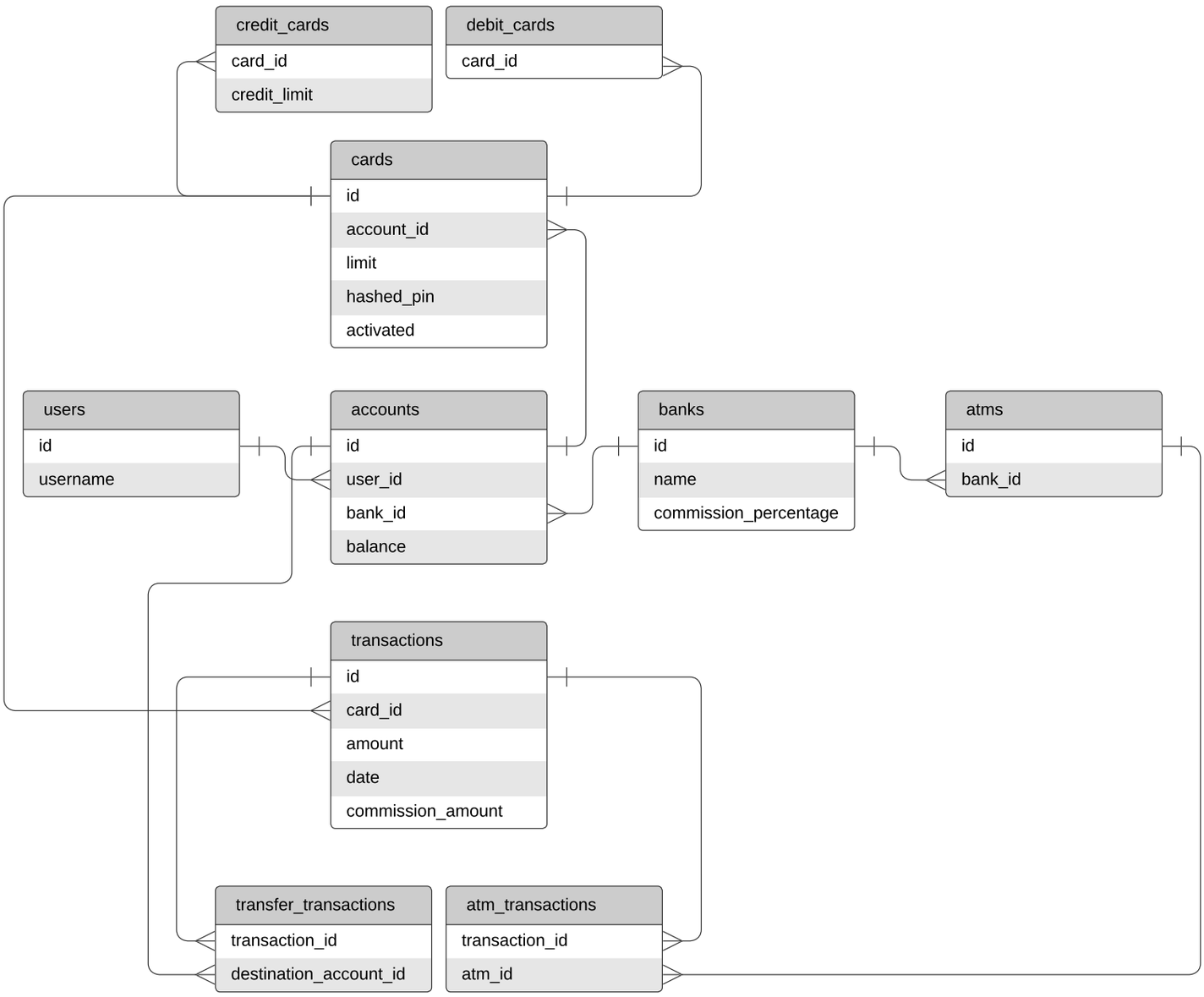
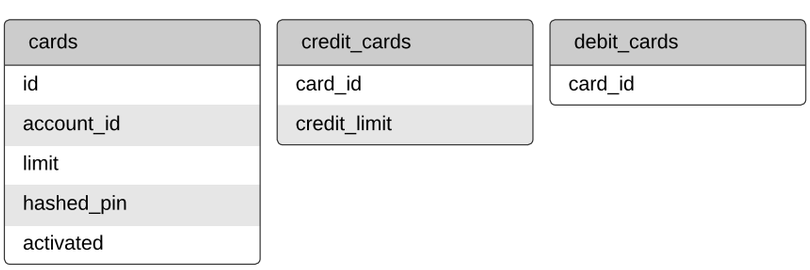
ATM Backend DataBase Schema



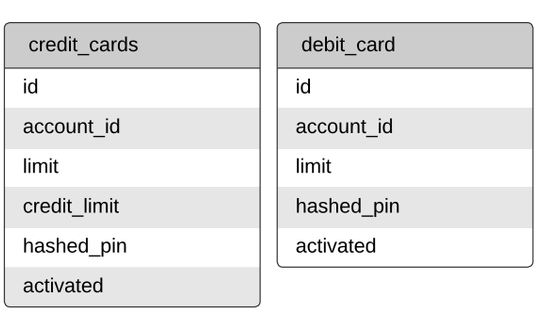
To simplify the development, the IBAN corresponds to the account ID and the validation of the IBAN consists of checking whether an account with this ID exists.

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.

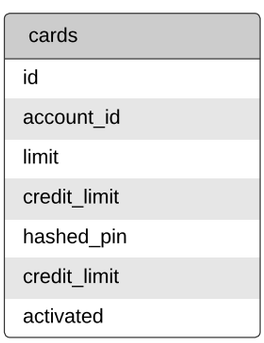
Below is an explanation of the different inheritance options and a brief explanation.



This is the option I like the most because it has none of the disadvantages of the options below.



I did not choose this because any changes to cards would have to be applied to both boards (or more, if there were more card types).



I did not choose this because it implies a field that a card type does not 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.