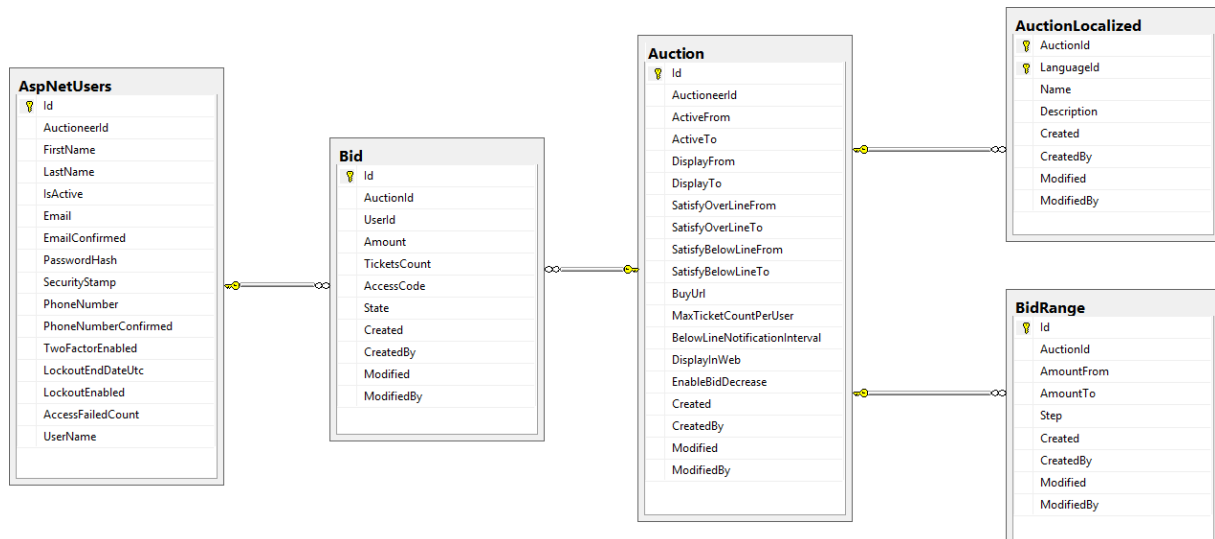


# Assignment SQL

We have a database of auction system, which among others, consists of the following tables:



- AspNetUsers – table of users
- Bid – table of bids in the auction, so-called bidding on the auction
- Auction – table in which auction informations are stored
- AuctionLocalized – table of descriptions for auctions localized into specific languages e.g. sk, en, de
- BidRange – a table specifying the bidding step in the auction in a given range. Ignore the State column in the tasks.

## Task 1

Create SELECT in T-SQL to display the maximum bids of each user who participated in the auction (AuctionId = 1). In SELECT display the user's email and maximum bid. Sort bids from highest to lowest.

	Email	MaxAmount
1	peter.smrek@post.sk	44,00
2	martin.biely@outlook.com	20,00
3	emil.vesely@gmail.com	14,00

## Task 2

Write SELECT in T-SQL language, which displays earnings in each auction. Only the highest bid of user will be added to the earnings within the auction. In SELECT, display the auction ID, its name in Slovak language (LanguageId = 1) and earning.

	AuctionId	Name	Total
1	1	Aukcia 1	78,00
2	2	Aukcia 2	94,00

## Task 3

Create a stored procedure in T-SQL, that will be used to add the bid to the auction (bidding).

Requirements:

- Name: [dbo].[IncreaseBid]
- Parameters:
  - @AuctionId INT
  - @UserId NVARCHAR(128)
  - @TicketsCount INT
- Logic:
  - It will determine whether the user has already added any bids to the auction
  - If he has added some offers, the highest bid of the user is chosen and then is increased by value from table BidRange.Step by the range in which the highest offer is.
  - If he has not yet added a bid, the minimum value will be selected from BidRange.AmountFrom
  - It will calculate the amount of the new offer
  - Insert record into the Bid table with following values for columns which are not directly related to the application logic:
    - State = 1
    - Created = GETUTCDATE()
    - CreatedBy = NEWID()
    - Modified = GETUTCDATE()
    - ModifiedBy = NEWID()

## Task 4

Create a report for SELECT from task 2. Use Microsoft SQL Server Reporting Services.