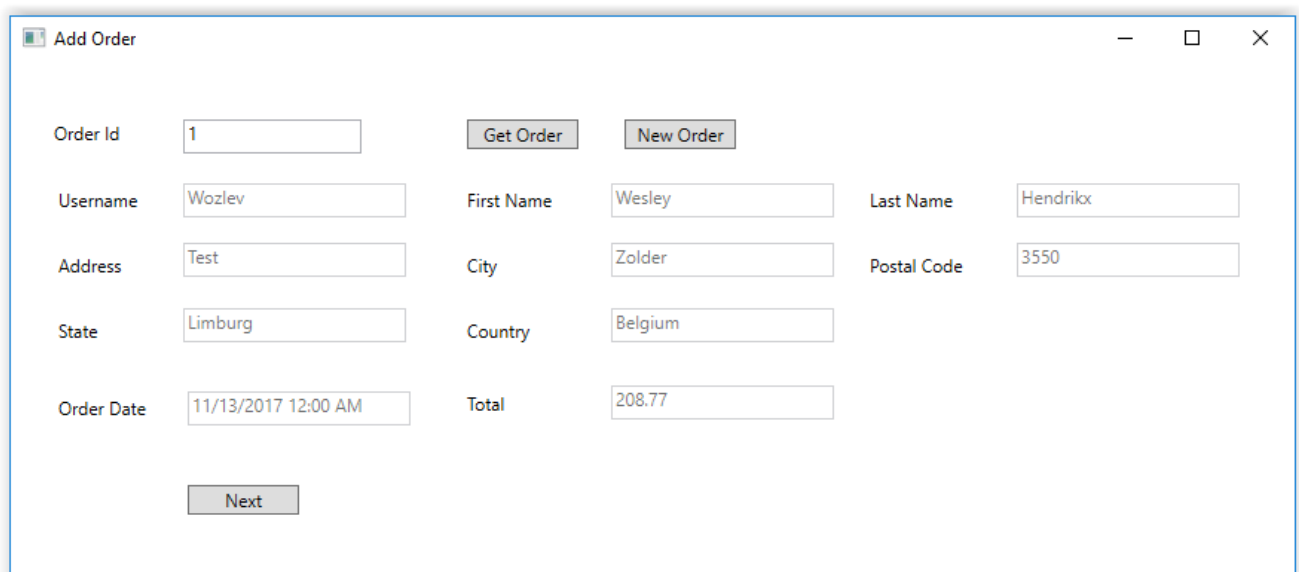


# How to work with transactions

Create a window to create a new order, or selects an existing order for the **MusicStore**. An order consists of the following items:

- Username, FirstName and LastName
- Address, City, PostalCode, State, Country
- OrderDate: defaults to the current date

By default the application searches for the last order in the database and displays it. When an existing order is displayed, all input fields are disabled:



The screenshot shows a window titled "Add Order" with a standard Windows-style title bar (minimize, maximize, close buttons). The form contains the following fields and controls:

Field	Value
Order Id	1
Username	Wozlev
Address	Test
State	Limburg
Order Date	11/13/2017 12:00 AM
First Name	Wesley
City	Zolder
Country	Belgium
Last Name	Hendrixx
Postal Code	3550
Total	208.77

Buttons: "Get Order", "New Order", and "Next".

The user can load an (other) existing order by filling in in order id and clicking on the **Get Order** button.

The user can also create a new order by clicking on the **New Order** button. When a new order is being created the input fields should be enabled (except for the order total which is calculated):

The 'Add Order' window is a standard Windows application window with a title bar. It contains several input fields and buttons. The 'Order Id' field is pre-filled with '0'. The 'Order Date' field shows '11/13/2017 12:00 AM'. The 'Total' field is pre-filled with '0'. The 'Next' button is located at the bottom left.

If the user clicks on a button labeled **Next**, a popup window appears in which the user can add an order detail to the order. An order detail consists of:

- OrderId (= readonly)
- AlbumId (select in a list of all albums)
- Quantity
- UnitPrice

The 'Add order detail' window is a standard Windows application window. It contains input fields for 'Order Id' (1), 'Album' (The Best Of Men At Work), 'UnitPrice' (8.99), and 'Quantity' (2). The 'Album' field is a combobox. The 'Save Order and add order detail' button is at the bottom.

When an album is selected in the combobox, the UnitPrice is filled in automatically.

When the **Save Order and add order detail** button is Clicked, the order AND the Orderdetail is saved in the database. The 2 inserts are handled in one transaction.

The  $\text{UnitPrice} * \text{Quantity}$  is added to the OrderTotal.

When the save is successful the popup window is closed automatically.

The total in the order window should be updated automatically  
(databinding)