Project 1: księgarnia wysyłkowa (java version "1.8.0_202")

- **Create a database with tables according to the placed scheme below:**

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use ksiegarnia;
Database changed
mysql> show tables;
+----------------------+
| Tables_in_ksiegarnia |
+----------------------+
| klienci              |
| kontakty             |
| ksiazki              |
| zamowienia           |
| zestawienia          |
+----------------------+
5 rows in set (0.00 sec)

mysql>
```

Description of the table “klienci” with an example of filled-in data:

```
mysql> desc klienci;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| pesel    | varchar(11) | NO   | PRI | NULL    |       |
| imie     | varchar(30) | NO   |     | NULL    |       |
| nazwisko | varchar(30) | NO   |     | NULL    |       |
| ur       | date        | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> select * from klienci;
+-------------+-------+-----------+------------+
| pesel       | imie  | nazwisko  | ur         |
+-------------+-------+-----------+------------+
| 02345678901 | bill  | smith     | 2008-07-04 |
| 11111111111 | first | mr_first  | 2014-06-04 |
| 12345678901 | john  | doe       | 2008-07-04 |
| 22222222222 | test2 | testtest2 | 1980-11-05 |
| 33333333333 | test3 | testtest3 | 1990-02-11 |
| 44444444444 | ttt   | sdf       | 2001-12-21 |
| 55555555555 | ppp   | ooo       | 2000-02-02 |
| 66666666666 | mmm   | popl      | 2020-02-01 |
| 77777777777 | kll   | pooiuu    | 2000-01-15 |
| 87878787878 | clar  | uuu       | 2019-12-07 |
| 88888888888 | jack  | sparrow   | 2000-05-01 |
| 90909090909 | big   | bang      | 2011-05-03 |
| 99999999999 | mnm   | mmm       | 2020-01-25 |
+-------------+-------+-----------+------------+
13 rows in set (0.00 sec)

mysql>
```

Description of the table “kontakty” with an example of filled-in data:

```
mysql> desc kontakty;
+-------+-------------+------+-----+---------+-------+
| Field | Type        | Null | Key | Default | Extra |
+-------+-------------+------+-----+---------+-------+
| pesel | varchar(11) | NO   | PRI | NULL    |       |
| mail  | varchar(30) | NO   | UNI | NULL    |       |
| adres | varchar(60) | NO   |     | NULL    |       |
| tel   | varchar(15) | YES  |     | NULL    |       |
+-------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> select * from kontakty;
+-------------+--------------------+-------------+----------+
| pesel       | mail               | adres       | tel      |
+-------------+--------------------+-------------+----------+
| 02345678901 | smith@gmail.com    | Wroclaw     | 12398745 |
| 11111111111 | f@mail.com         | number1     | 111111   |
| 12345678901 | jdoe@gmail.com     | Wroclaw     | 12398754 |
| 22222222222 | testtest2@ukr.net  | Warsaw      | 12365412 |
| 33333333333 | testtest3@gmail.com| Kiev        | 32145661 |
| 44444444444 | tttt@gmail.com     | Wroclaw     | 61345234 |
| 55555555555 | lljlhlkklh         | dwdsdsd3434 | 34343    |
| 66666666666 | www                | ewerty      | 233      |
| 77777777777 | kkj@pl             | lkjo        | 5647     |
| 87878787878 | clu@pl             | W           | 123654   |
| 88888888888 | js@mai.pl          | ship        |          |
| 90909090909 | bb@bb.ru           | somewhere...| 000      |
| 99999999999 | m@pl               | mop         | 12312312 |
+-------------+--------------------+-------------+----------+
```

Description of the table “ksiazki” with an example of filled-in data:

```
mysql> desc ksiazki;
+-------------+-----------------------------------------------------------------
| Field       | Type
+-------------+-----------------------------------------------------------------
| isbn        | varchar(17)
| autor       | varchar(30)
| tytul       | varchar(60)
| typ         | enum('sensacja','krymina?','fantastyka','thriller','horror','
| wydawnictwo | varchar(60)
| rok         | int
| cena        | decimal(10,2)
+-------------+-----------------------------------------------------------------
7 rows in set (0.00 sec)

mysql> select * from ksiazki;
+------+--------+-------+------------+-------------+------+-------+
| isbn | autor  | tytul | typ        | wydawnictwo | rok  | cena  |
+------+--------+-------+------------+-------------+------+-------+
| 001  | aaa    | dfdf  | horror     | hellion     | 1234 |  5.23 |
| 002  | bbb    | ddd   | thriller   | lll122      | 1945 | 20.14 |
| 003  | jhjhjh | jhjhj | horror     | kjkjkj      | 2000 | 14.00 |
| 004  | ddd    | qa    | thriller   | a           | 1236 | 50.50 |
| 005  | ddd    | fff   | horror     | d           | 1235 | 10.08 |
| 006  | aaa    | sss   | horror     | q           | 3214 | 40.00 |
| 007  | fff    | td    | thriller   | g           | 1990 | 14.25 |
| 008  | dddf   | fdf   | krymina?   | fdfd        |   12 | 12.00 |
| 009  | rer    | erer  | sensacja   | er          | 3333 | 50.00 |
| 010  | rtv    | df    | podr?cznik | nokia       | 1365 | 14.05 |
| 011  | kkk    | jjj   | dzieci?ca  | lk6         | 1995 | 15.25 |
| 012  | paul   | loop  | krymina?   | freak       | 2020 | 56.77 |
| 013  | kkk    | uuu   | obyczajowa | <>          | 1999 | 65.90 |
| 014  | eee    | fff   | dzieci?ca  | kid         | 1997 | 10.25 |
| 015  | sdsd   | asd   | poradnik   | wsw         | 2020 | 12.00 |
+------+--------+-------+------------+-------------+------+-------+
15 rows in set (0.00 sec)

mysql>
```

Description of the table “zestawienia” with an example of filled-in data:

```
mysql> desc zestawienia;
+-------+--------------+------+-----+---------+----------------+
| Field | Type         | Null | Key | Default | Extra          |
+-------+--------------+------+-----+---------+----------------+
| id    | int          | NO   | PRI | NULL    | auto_increment |
| isbn  | varchar(17)  | NO   |     | NULL    |                |
| cena  | decimal(10,2)| NO   |     | NULL    |                |
+-------+--------------+------+-----+---------+----------------+
3 rows in set (0.00 sec)

mysql> select * from zestawienia;
+----+------+-------+
| id | isbn | cena  |
+----+------+-------+
|  5 | 001  |  5.23 |
|  6 | 002  | 20.14 |
|  7 | 002  | 20.14 |
|  8 | 003  | 14.00 |
|  9 | 012  | 56.77 |
| 10 | 012  | 56.77 |
| 11 | 001  |  5.23 |
| 12 | 001  |  5.23 |
| 13 | 004  | 50.00 |
| 14 | 001  |  5.23 |
| 15 | 001  |  5.23 |
| 16 | 001  |  5.23 |
| 17 | 001  |  5.23 |
| 18 | 001  |  5.23 |
| 19 | 013  | 65.90 |
| 20 | 001  |  5.23 |
| 21 | 004  | 50.50 |
| 22 | 004  | 50.50 |
| 23 | 007  | 14.25 |
+----+------+-------+
19 rows in set (0.00 sec)

mysql>
```

Description of the table “zamowienia” with an example of filled-in data:

```
+--------+-----------------------------------------+------+-----+---------+----------------+
| Field  | Type                                    | Null | Key | Default | Extra          |
+--------+-----------------------------------------+------+-----+---------+----------------+
| id     | int                                     | NO   | PRI | NULL    | auto_increment |
| pesel  | varchar(11)                             | NO   |     | NULL    |                |
| kiedy  | date                                    | NO   |     | NULL    |                |
| status | enum('oczekuje','wys?ane','zap?acone')  | NO   |     | NULL    |                |
| isbn   | varchar(17)                             | YES  |     | NULL    |                |
+--------+-----------------------------------------+------+-----+---------+----------------+
5 rows in set (0.00 sec)

mysql> select * from zamowienia;
+----+-------------+------------+-----------+------+
| id | pesel       | kiedy      | status    | isbn |
+----+-------------+------------+-----------+------+
| 13 | 02345678901 | 2020-03-01 | wys?ane   | 001  |
| 14 | 33333333333 | 2020-06-02 | zap?acone | 002  |
| 15 | 33333333333 | 2020-02-23 | wys?ane   | 002  |
| 16 | 33333333333 | 2020-04-25 | oczekuje  | 003  |
| 17 | 12345678901 | 2020-06-01 | oczekuje  | 012  |
| 18 | 22222222222 | 1998-06-14 | oczekuje  | 012  |
| 19 | 02345678901 | 2020-06-03 | oczekuje  | 001  |
| 20 | 02345678901 | 2020-06-05 | oczekuje  | 001  |
| 21 | 22222222222 | 2020-06-01 | zap?acone | 004  |
| 22 | 02345678901 | 2020-05-31 | zap?acone | 001  |
| 23 | 02345678901 | 1234-05-30 | zap?acone | 001  |
| 24 | 02345678901 | 2020-06-01 | wys?ane   | 001  |
| 25 | 02345678901 | 2020-06-01 | zap?acone | 001  |
| 26 | 02345678901 | 2020-05-28 | zap?acone | 001  |
| 27 | 55555555555 | 2017-05-15 | oczekuje  | 013  |
| 28 | 11111111111 | 2020-06-04 | zap?acone | 001  |
| 29 | 02345678901 | 2020-06-04 | oczekuje  | 004  |
| 30 | 33333333333 | 2020-06-02 | oczekuje  | 004  |
| 31 | 44444444444 | 2020-01-01 | wys?ane   | 007  |
+----+-------------+------------+-----------+------+
19 rows in set (0.00 sec)

mysql>
```

- **Set appropriate data to connect with database:**

JdbcUrl, jdbcUser, jdbcPass

My data example:

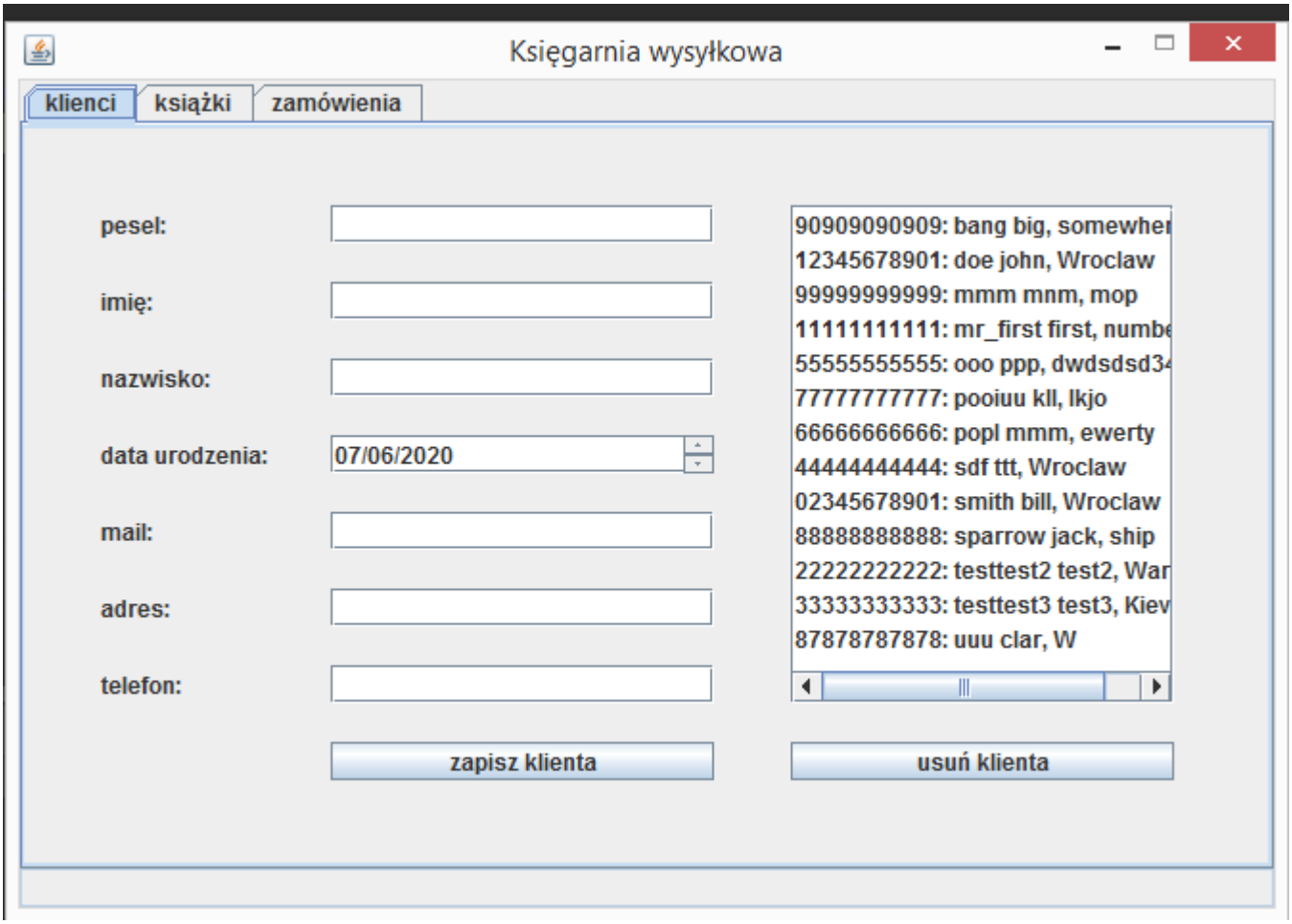
```
class Okno extends JFrame {
    // dane do nawiązania komunikacji z bazą danych
    private String jdbcUrl = "jdbc:mysql://localhost:3306/ksiegar
    // pole na komunikaty od aplikacji
```

```
, jdbcUser = "root", jdbcPass = "1234";
```

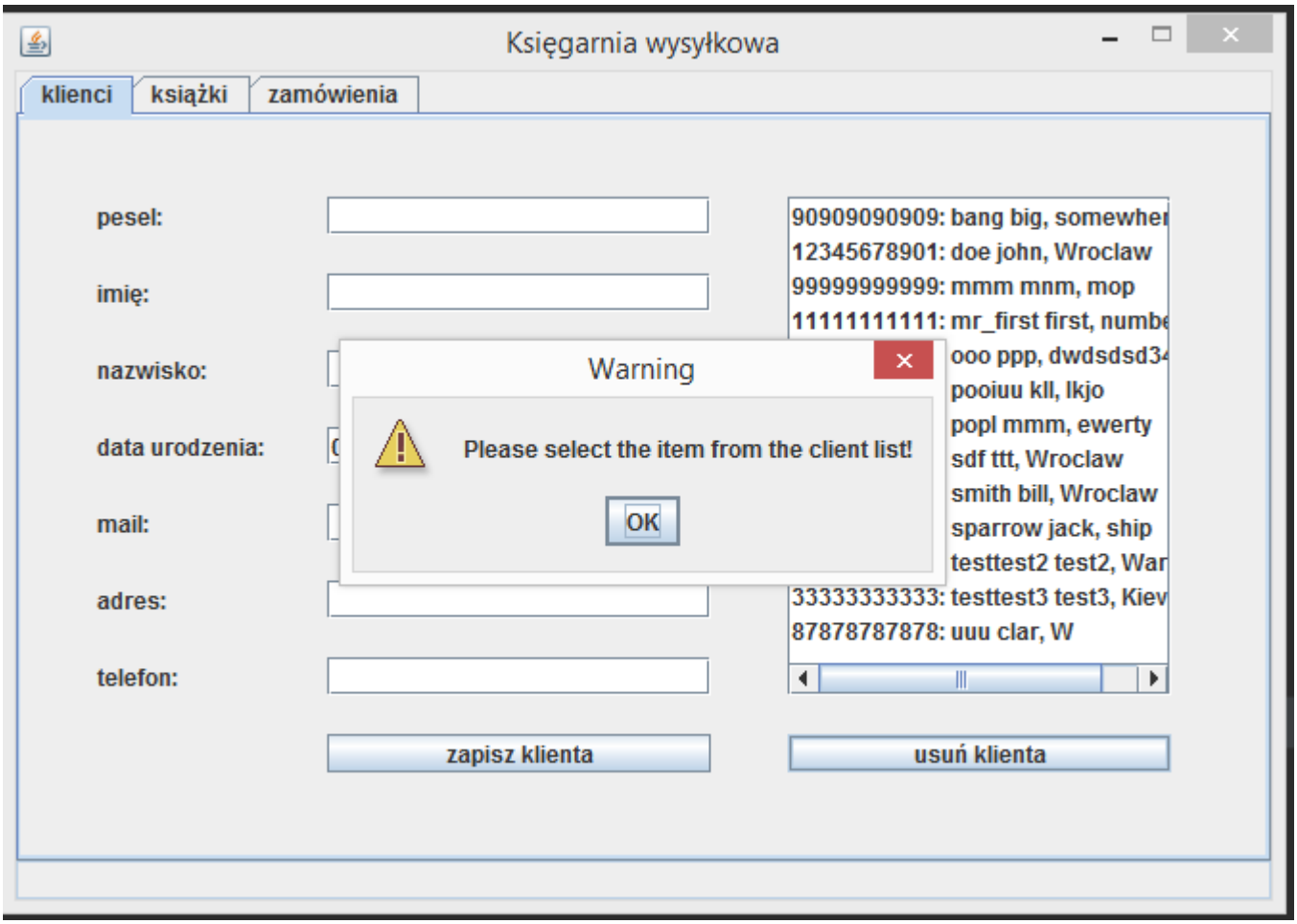
- **Run application (press the green triangle -> Run …)**

Running application...

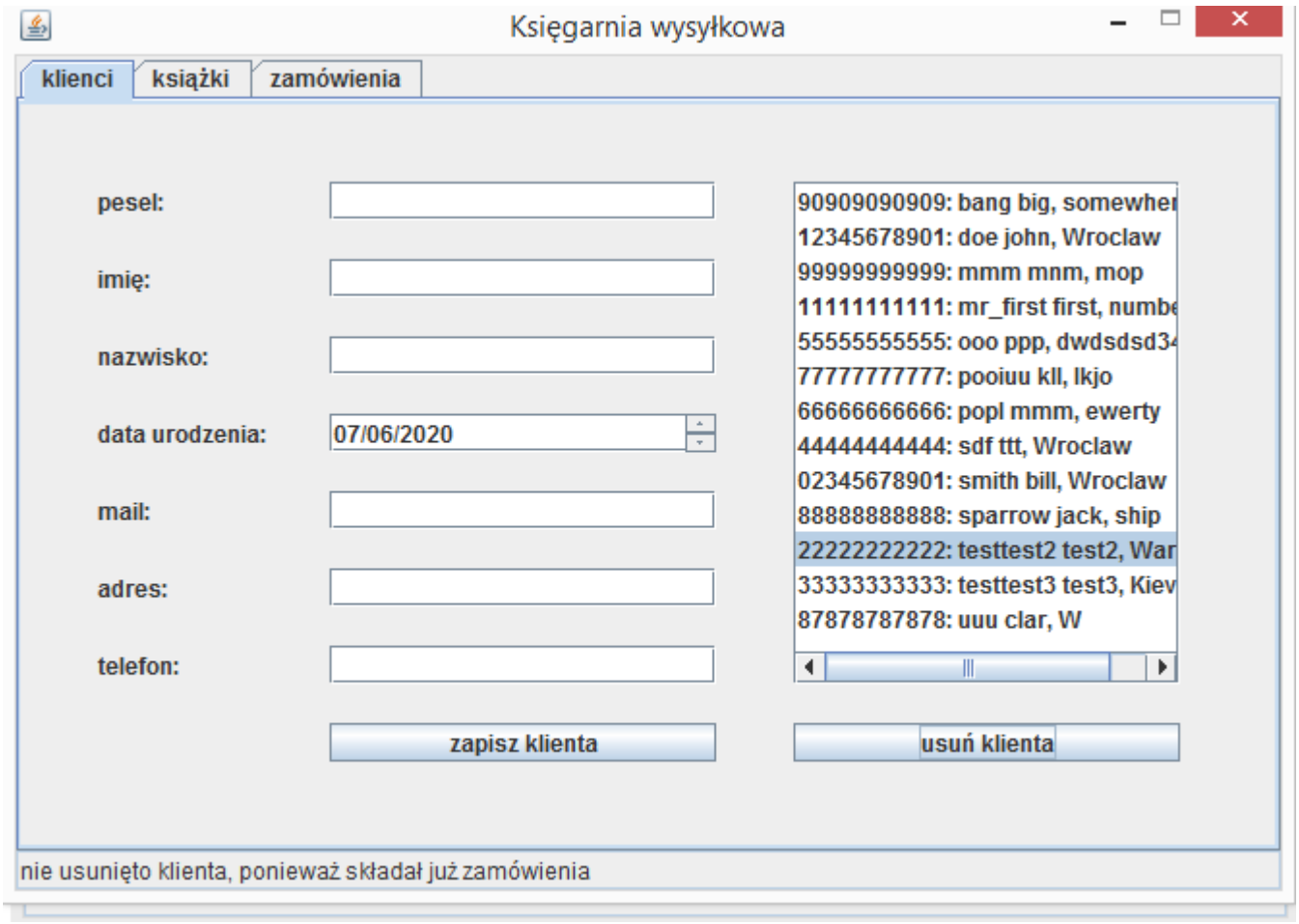
1. **The bookmark ‘klienci’:**

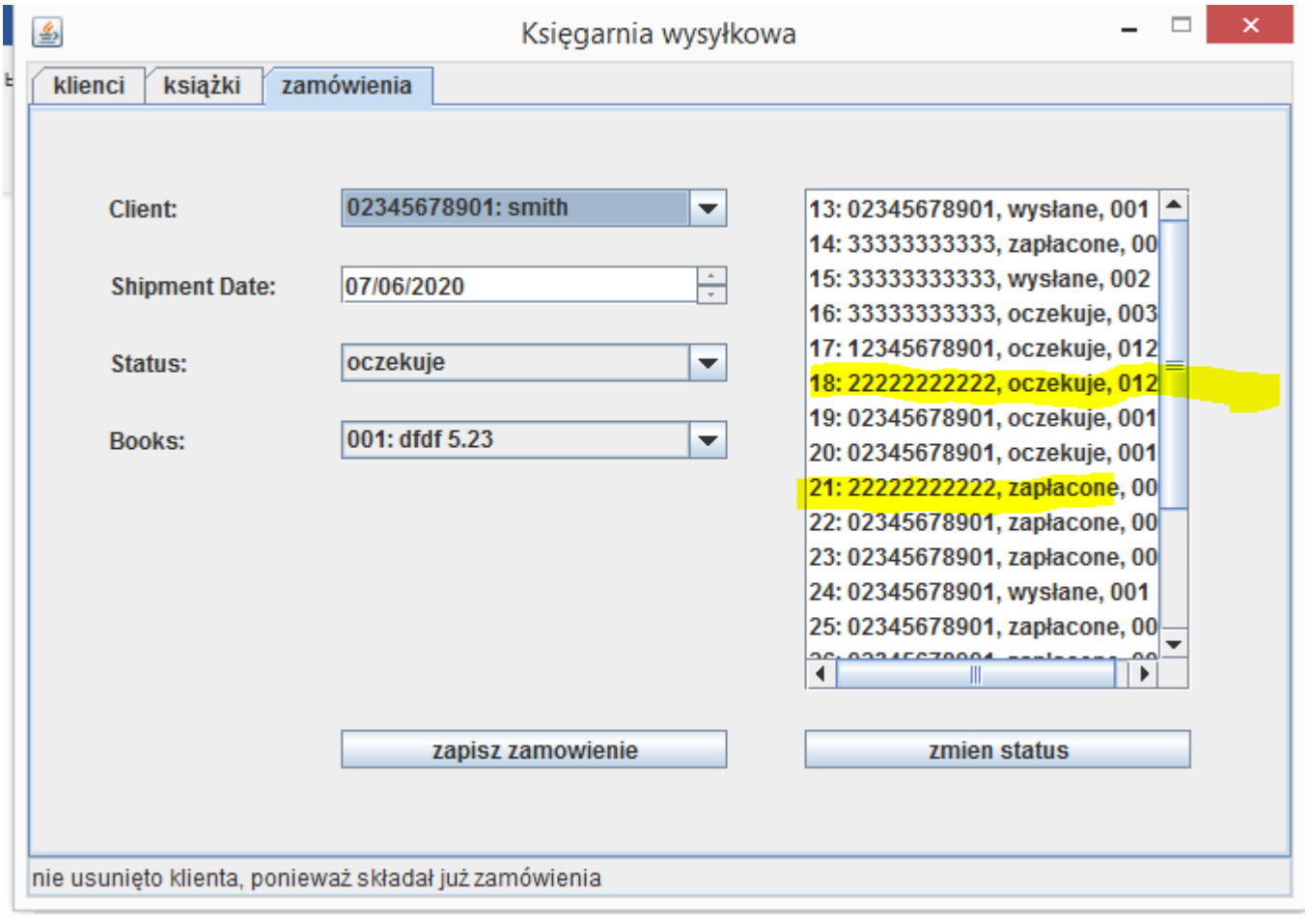


The attempt to press the button ‘usun klienta’ without selection the items from the clients list

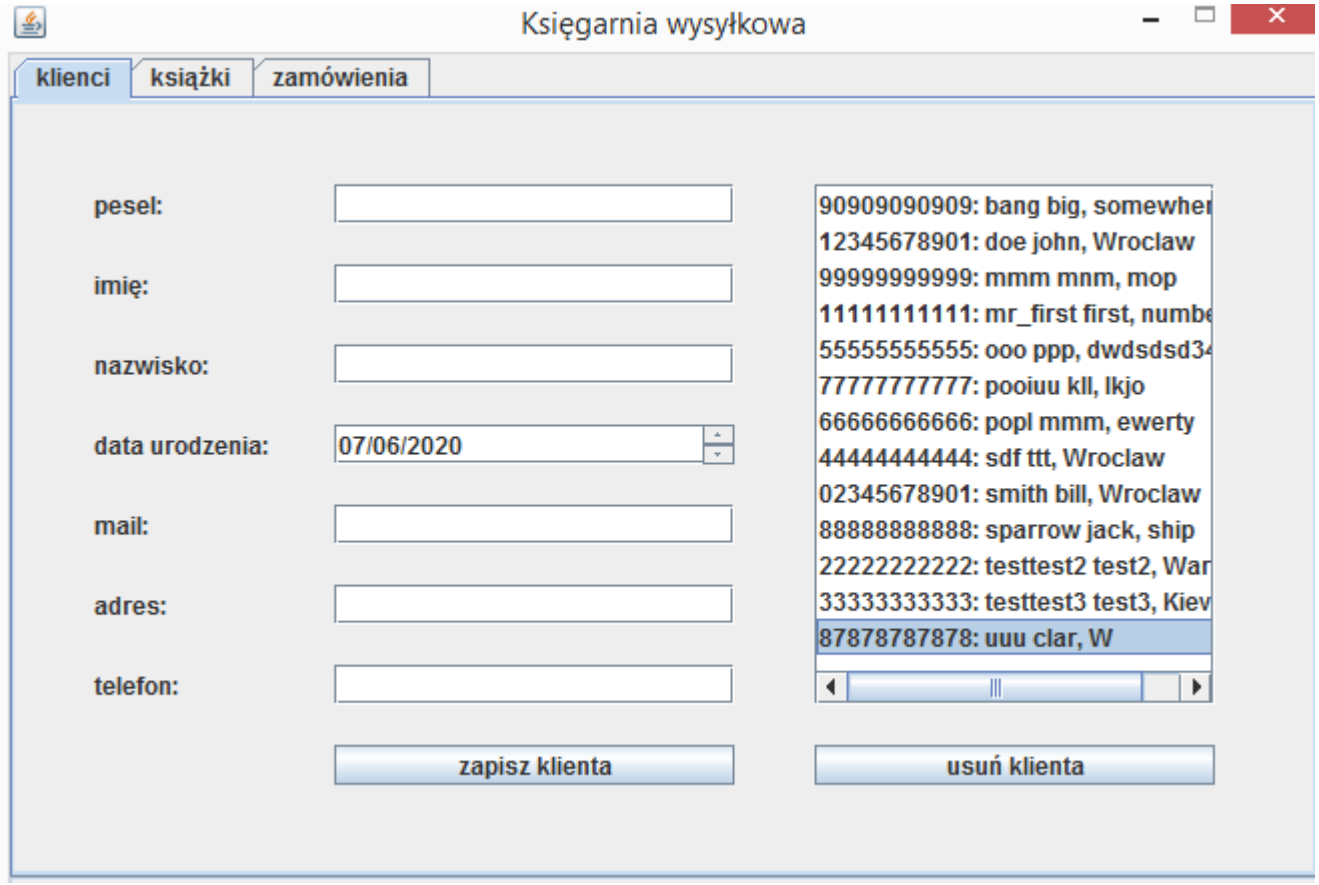


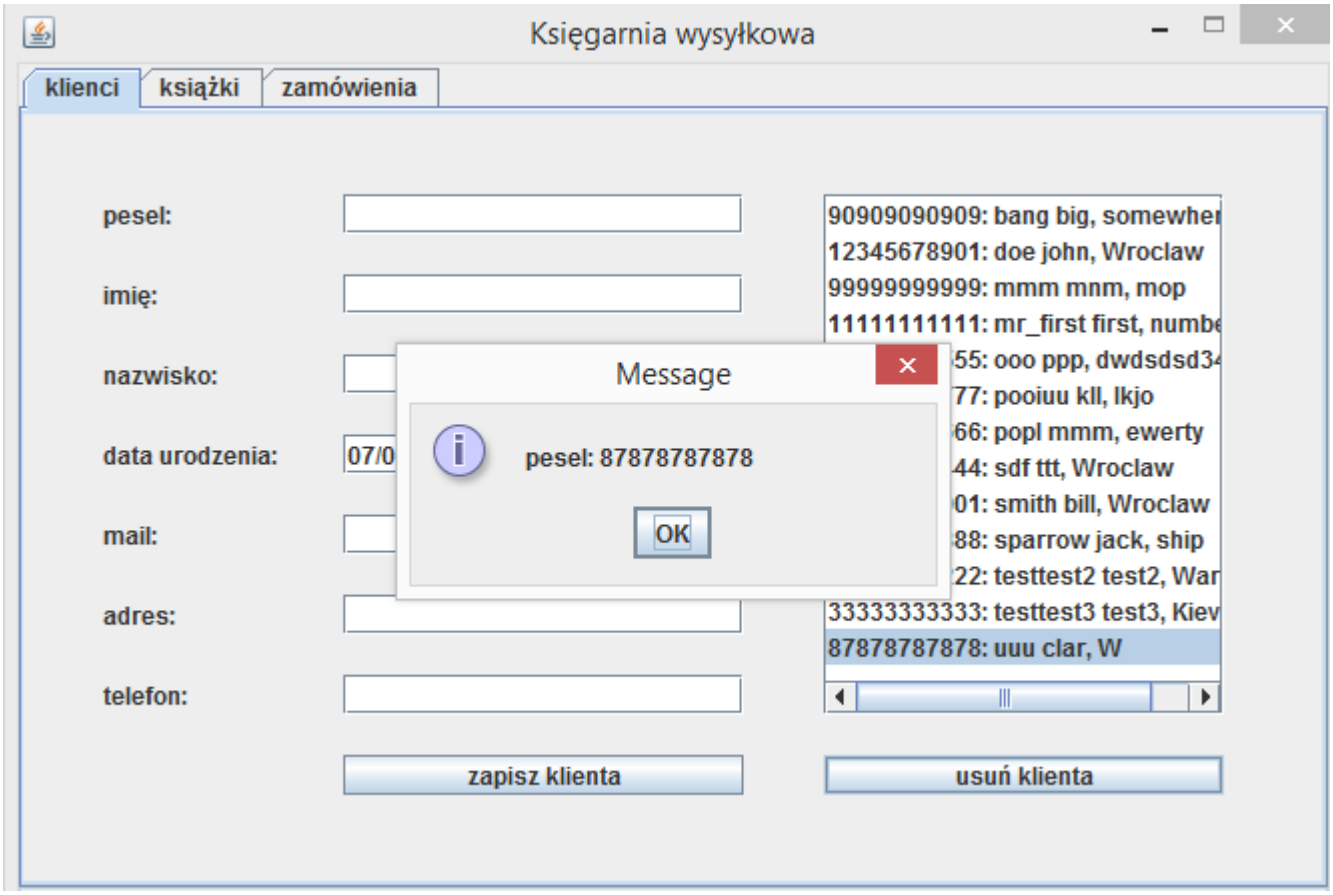
It's not allowed to remove the selected client from the list if the client is in the ‘zamowienie’ list:

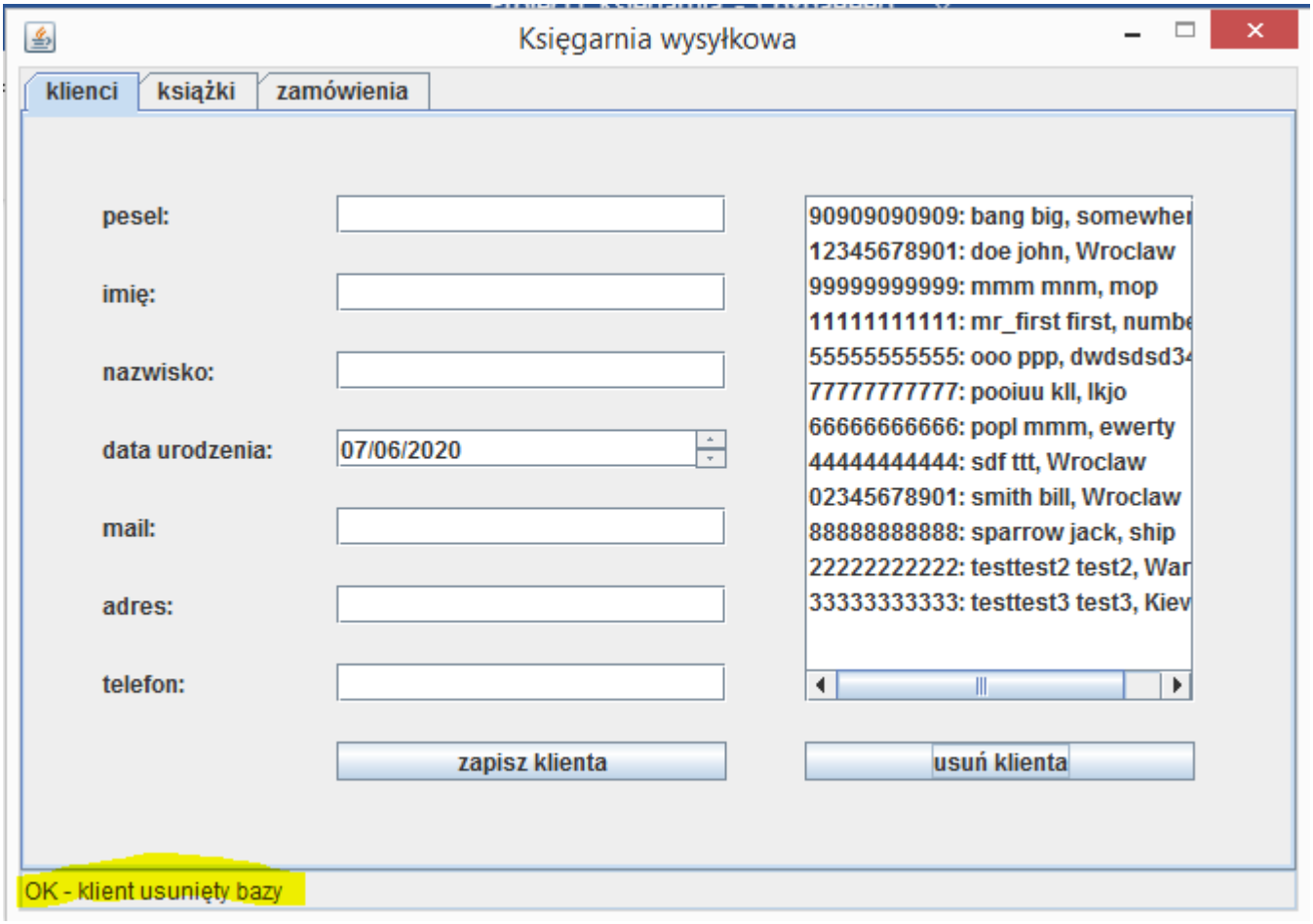




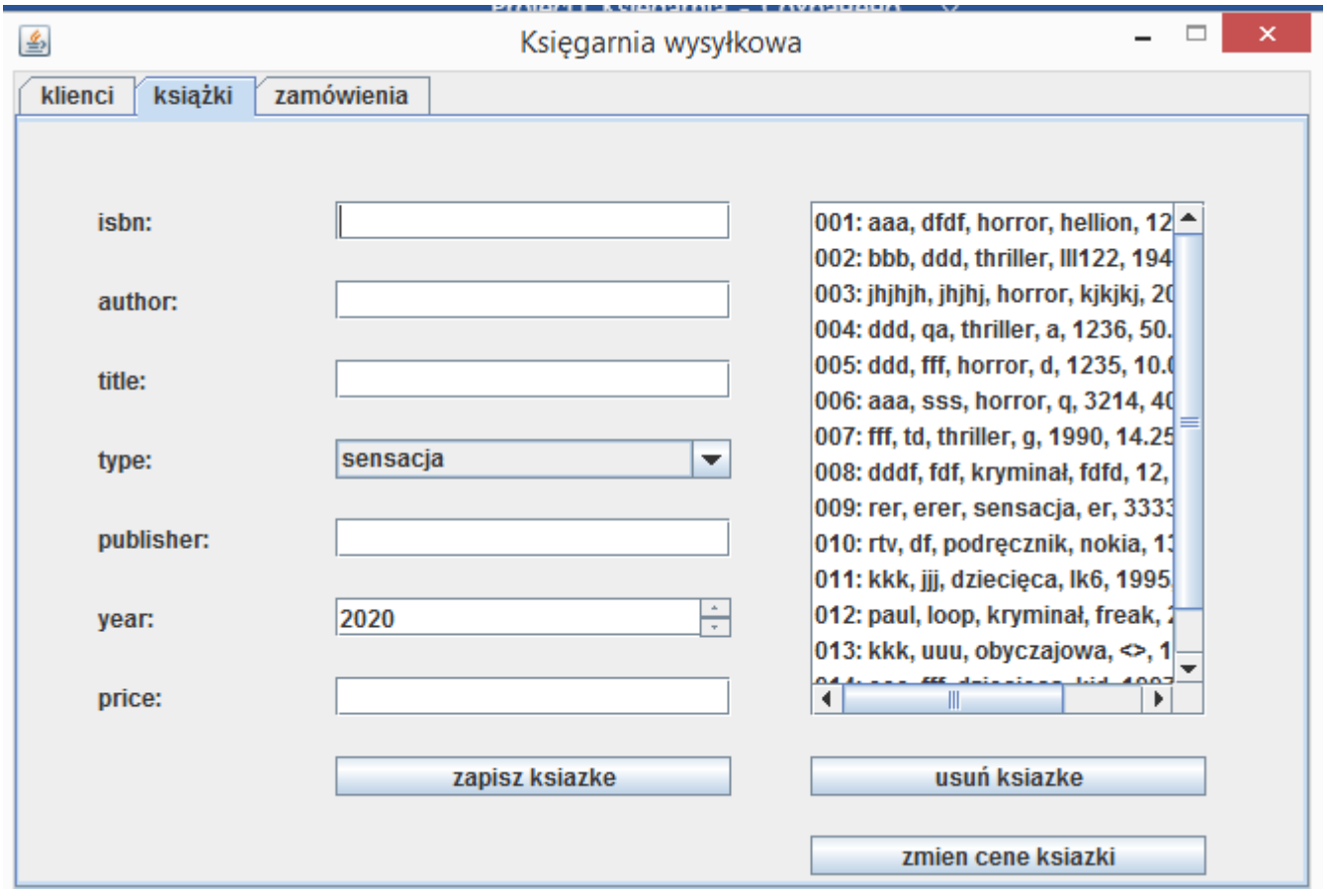
Removing the selected client from the list


Księgarnia wysyłkowa
klienci
książki
zamówienia
pesel:
imię:
nazwisko:
data urodzenia:
07/06/2020
mail:
adres:
telefon:
zapisz klienta
usuń klienta
90909090909: bang big, somewher
12345678901: doe john, Wroclaw
99999999999: mmm mnm, mop
11111111111: mr_first first, numbe
55555555555: ooo ppp, dwdsdsd3
77777777777: pooiuu kll, lkjo
66666666666: popl mmm, ewerty
44444444444: sdf ttt, Wroclaw
02345678901: smith bill, Wroclaw
88888888888: sparrow jack, ship
22222222222: testtest2 test2, War
33333333333: testtest3 test3, Kiev
87878787878: uuu clar, W


Księgarnia wysyłkowa
klienci
książki
zamówienia
pesel:
imię:
nazwisko:
data urodzenia:
07/0
mail:
adres:
telefon:
zapisz klienta
usuń klienta
Message
pesel: 87878787878
OK
90909090909: bang big, somewher
12345678901: doe john, Wroclaw
99999999999: mmm mnm, mop
11111111111: mr_first first, numbe
55: ooo ppp, dwdsdsd3
77: pooiuu kll, lkjo
66: popl mmm, ewerty
44: sdf ttt, Wroclaw
01: smith bill, Wroclaw
88: sparrow jack, ship
22: testtest2 test2, War
33333333333: testtest3 test3, Kiev
87878787878: uuu clar, W

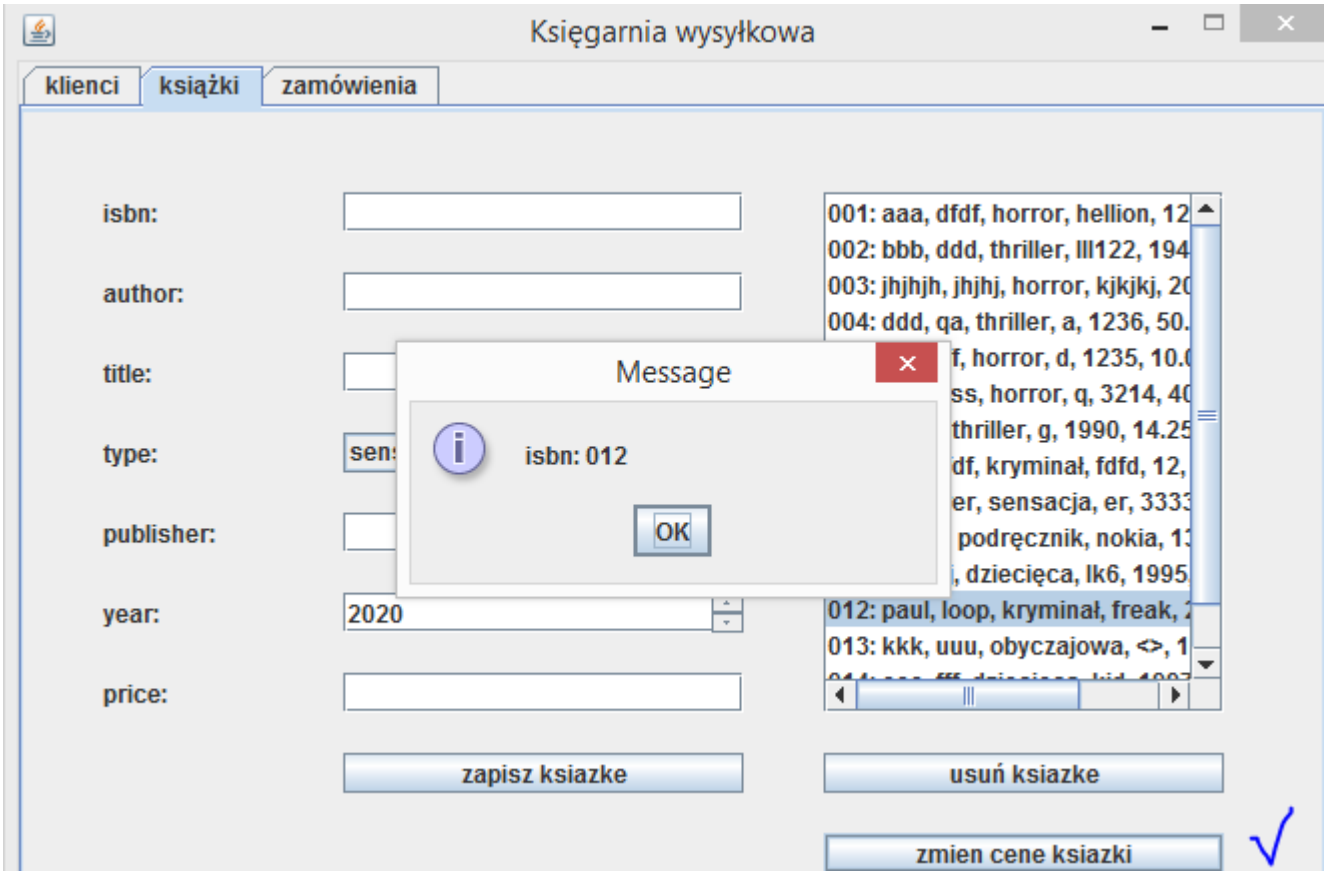


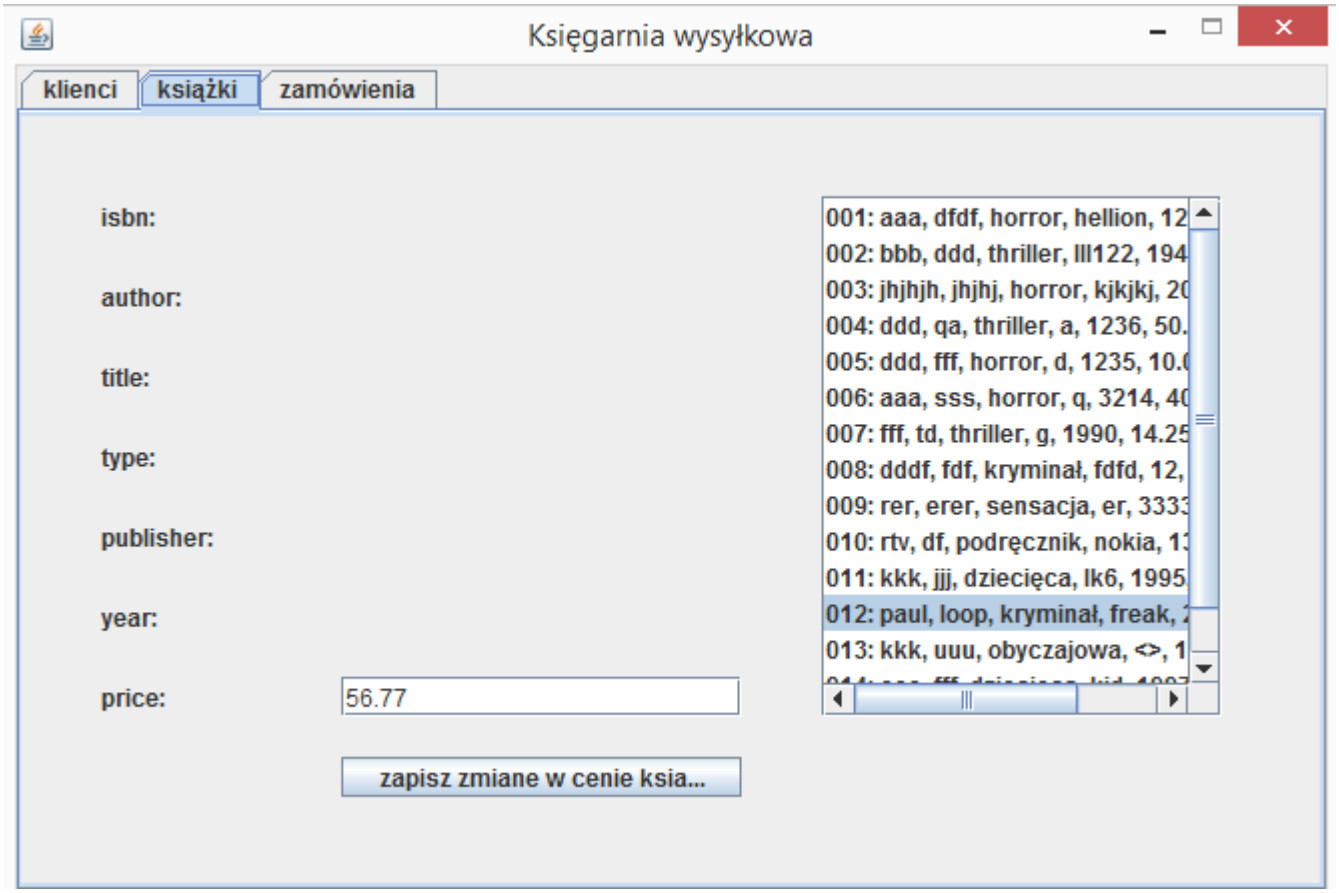
2. The bookmark ‘ksiazki’:



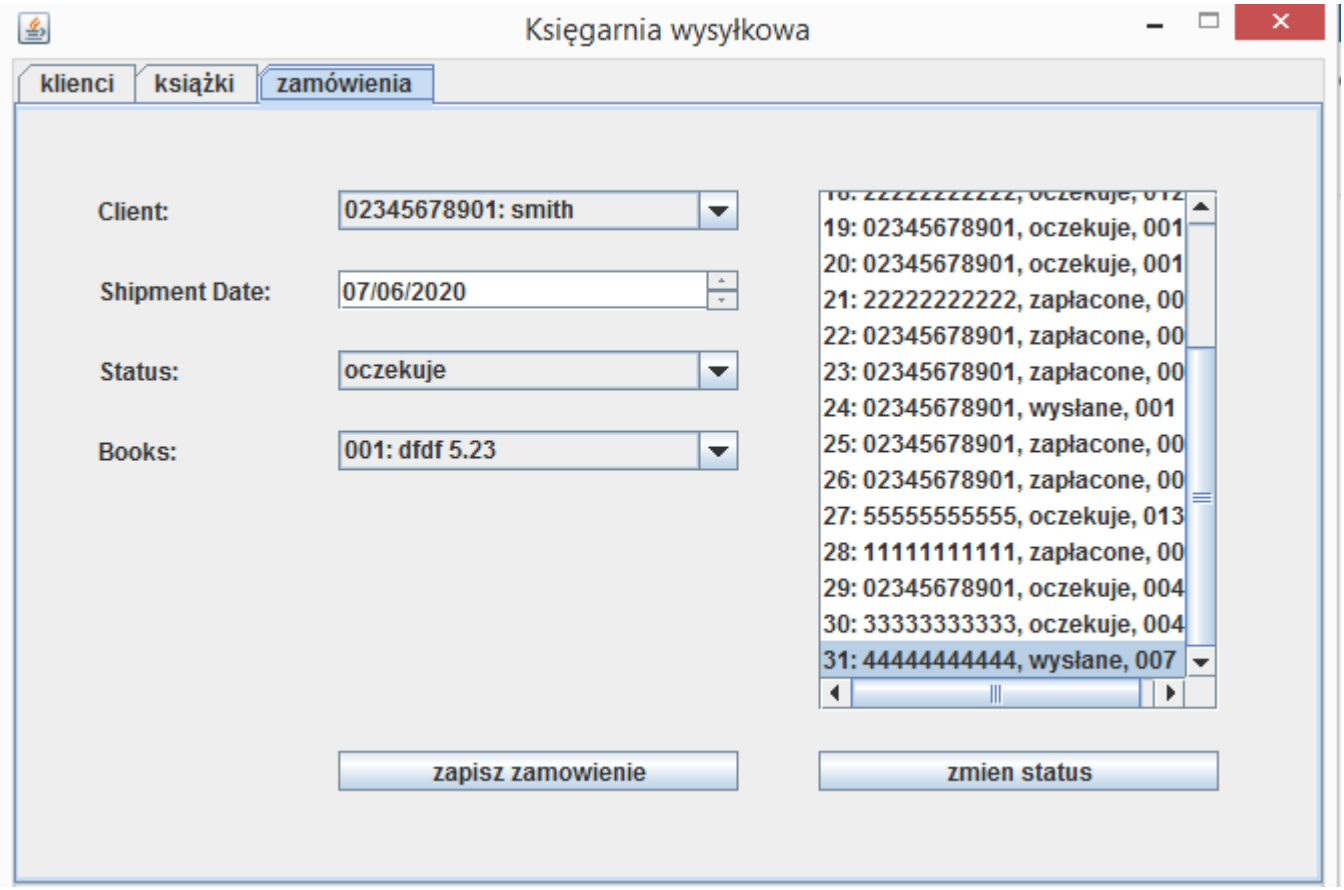
For the bookmark ‘ksazki’ the behavior of the application is as the same as for the bookmark ‘klienci’:

The difference is only having extra button “zmien cene ksiazki”:





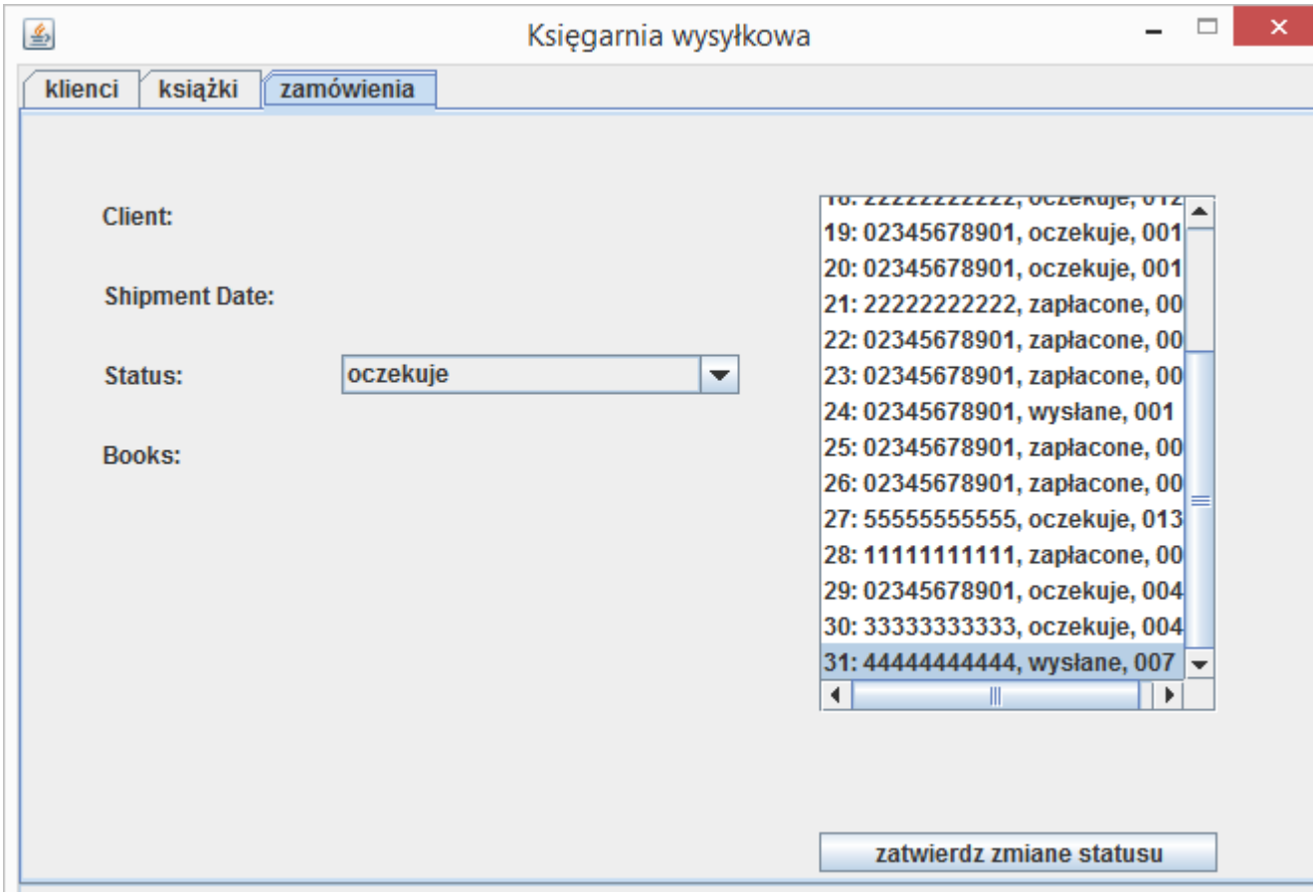
3. The bookmark ‘zamowienia’:

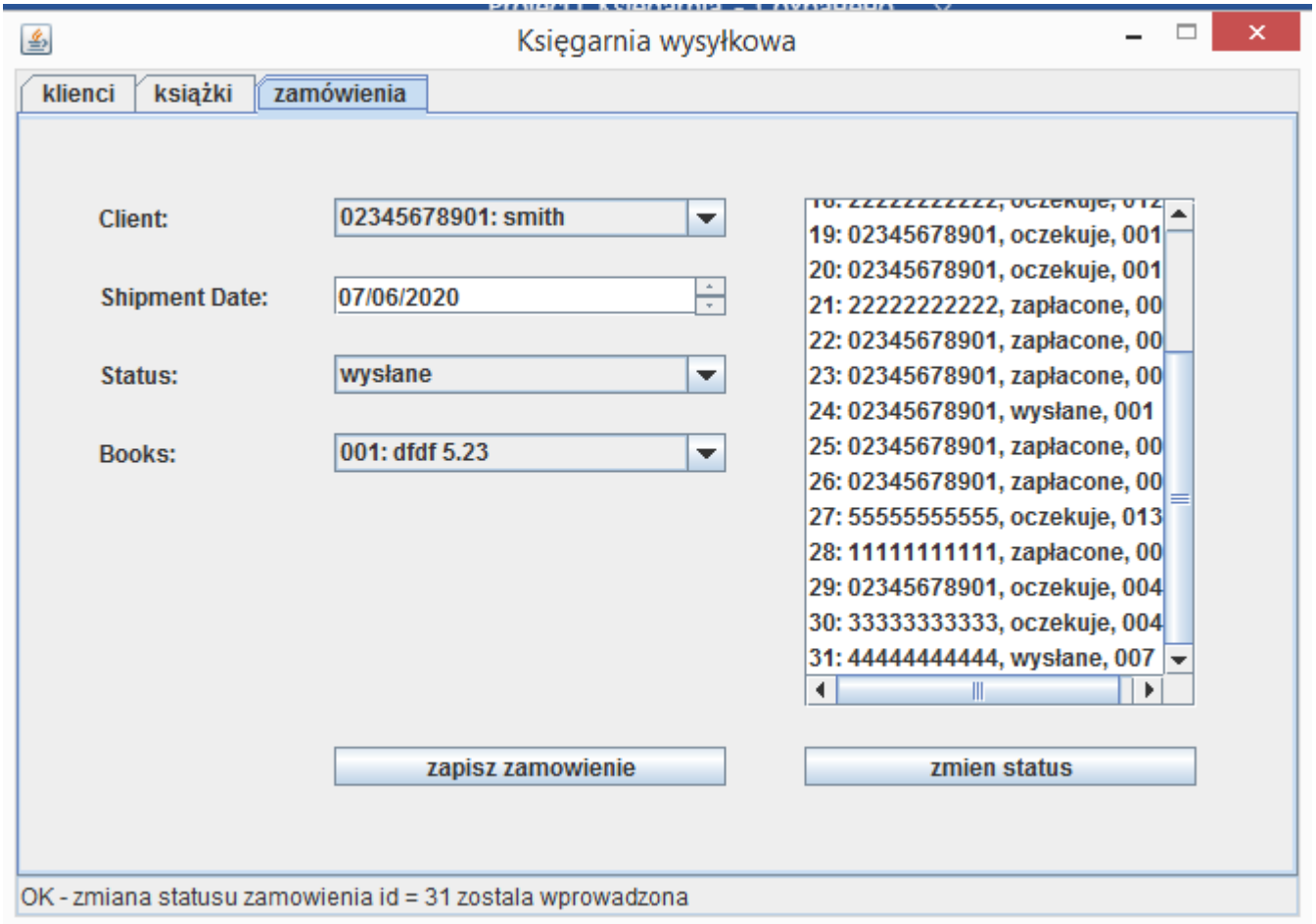


There is a possibility to choose any clients from the field “Client”. The list of clients is taken from the list of client created by the user. The same is for “Books” field.

According to the assignment for this project, there is a possibility to add as many books for one client as you want.

Aslo, there is a possibility to change status of the order:





To summarize, the app has met all requirements which had set for the project