

DOCUMENTATION FOR ORDER SYSTEM

The system is written in Java 8. It is meant to be built with Maven.

1. Getting started

Example command for running on linux:

```
$ compile.sh && ./run.sh [arguments]
```

Example command for running on windows:

```
$ compile.bat && run.bat [arguments]
```

Replace [arguments] with a list of csv and xml files containing the orders.

Example arguments:

```
$ compile.sh && ./run.sh "zamowienie.csv" "zamowienie.xml"
```

Correct CSV file format:

```
Client_Id,Request_id,Name,Quantity,Price
1,1,Bułka,1,10.00
1,1,Chleb,2,15.00
1,2,Chleb,5,15.00
2,1,Chleb,1,10.00
```

Correct XML file format:

```
<requests>
  <request>
    <clientId>1</clientId>
    <requestId>1</requestId>
    <name>Bułka</name>
    <quantity>1</quantity>
    <price>10.00</price>
  </request>
  <request>
    <clientId>2</clientId>
    <requestId>1</requestId>
    <name>Chleb</name>
    <quantity>1</quantity>
    <price>10.00</price>
  </request>
</requests>
```

Two example files : zamowienie.xml and zamowienie.csv are added with the program files.

2. Available functions
- 2.1 Correctly started system

Correctly started system:

```
Welcome to the order system!  
Input a command: (Or write: help)
```

If input lines from files have been omitted (for example because of incorrect format) the program will inform You.

2.2 Generating reports

To display a list of all available commands write: 'help'.

Available reports:

Command	Arguments	Type of report
sumOrders	-	Amount of orders
sumOrders	id	Amount of orders for client with specified Id
sumAmount	-	Summaric value of all orders
sumAmount	id	Summaric value of orders for client with specified Id
avg	-	Average value of all orders
avg	id	Average value of orders for client with specified Id
exit	-	Quit the system

After inputting a report generating command we will be asked if we would like to create a CSV file.

If you pick 'Y' (yes) the report will be saved in a CSV file.

```
Input a command: (Or write: help)  
  
list  
Would you like to generate a csv file? Y/N Y  
2018-10-11T20:46:04.618Z  
Csv file created
```

If you pick 'N' (no) the report will be displayed in the terminal.

```
Input a command: (Or write: help)  
  
avg 1  
Would you like to generate a csv file? Y/N N  
Average order value for client with Id: 1 is: 15.00
```