

LESOKONTROL

TIMBER YARD STOCK FLOW APPLICATION

Documentation

Yard: Main Yard

ORDER IN-PRICE: 125.58
ACCRUALS: 0
TOTAL: 0

ADD LOT Pieces: 50 TO ORDER REPORT

ID	Wood	Width	Height	Length	Price	Pieces
1	Buk	300	40	4000	300	50
2	Buk	300	40	4000	264	44
3	Buk	300	40	4000	300	50
4	Dub	30	80	470	300	50
5	Yavor	145	371	1000	300	50
6	Yavor	145	371	1000	276	46
7	Buk	30	40	400	5.0	10
8	Buk	300	40	4000	700	50
9	Dub	30	40	500	300	50
11	Yasen	500	500	1000	1200	50
13	Dub	55	5	100	226.416	106

ID	Wood	Width	Height	Length	Price	Pieces
14	Buk	300	40	4000	36	6
15	Yavor	145	371	1000	24	4
16	Dub	55	5	100	40.58	19
17	Buk	30	40	400	25.0	50

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Team name and list of team members (including usernames from the student system)

Team

CHRYSOCOLLA

Members:

(alphabetically by name and surname)

1. Asen Radushev	Asenr
2. Krasin Krumov	KrasinKrumov
3. Lyubomir Stoyanov	Lyubogb
4. Nikolai Kumanov	NP.Kumanov
5. Stefan Varbanov	varbanoff

Project Description

Lesokontrol is a warehouse application, intended to meet the most basic requirements of a forestry firm's timber yards' stock flow - in-stock list of timber material stocks with multiple options for sorting by all stock input characteristics; extracting materials to orders; order issuing; stock flow journal for extracted stock items. The stock items are organized in lots with the following input characteristics – unique identification number, wood type (four types of wood are available), 3-dimensional size, in-price and number of separate pieces per lot.

Available timber yards can be chosen from the dropdown list “Yard”, which presents a list of all the firm's yards. New yards can also be added by hitting “New yard” under “File” and entering the new yard's name in the respective window. After choosing a yard, the down left list view table “In stock” is populated with all currently available timber lots from the chosen yard. The lots in the table can be easily sorted by ID, Wood, Width, Height, Length, Price or Pieces by clicking on the corresponding column headers. New lots can be added by hitting the “ADD LOT” button, which opens a new window to fill in all the data required.

After selecting a timber lot from the “In stock” table, the number of pieces to be extracted from the selected lot should be written in the corresponding “Pieces” text box. The number of pieces cannot be less than 1 or greater than the selected lot's pieces in stock (from the “In stock” table).

After choosing how many pieces to extract from the yard, hit the “TO ORDER” button and a new lot with the desired number of pieces will be extracted from the “In stock” table and will appear on the bottom right table “Order”. The bottom right table “Order” shows all the current order's lots the same way as the “In stock” table does. Again, sorting by columns is available, and price is respectively calculated for the new number of pieces in the lot.

To issue the order, hit “REPORT” button and a “order_<id>.txt” file will be created in the main solution directory, where <id> is the uniquely generated identification number of the order.

You can keep track of all added or fully extracted timber lots from all of the firm's yards by opening the Firm Journal, located on the main solution directory, under "firm journal.txt" title. The Firm Journal keeps track of the exact date and time a lot is added or completely removed (all of its pieces are extracted to the order) from the "In stock" table; of the flow type – IN or OUT; and of the characteristics of the lot.

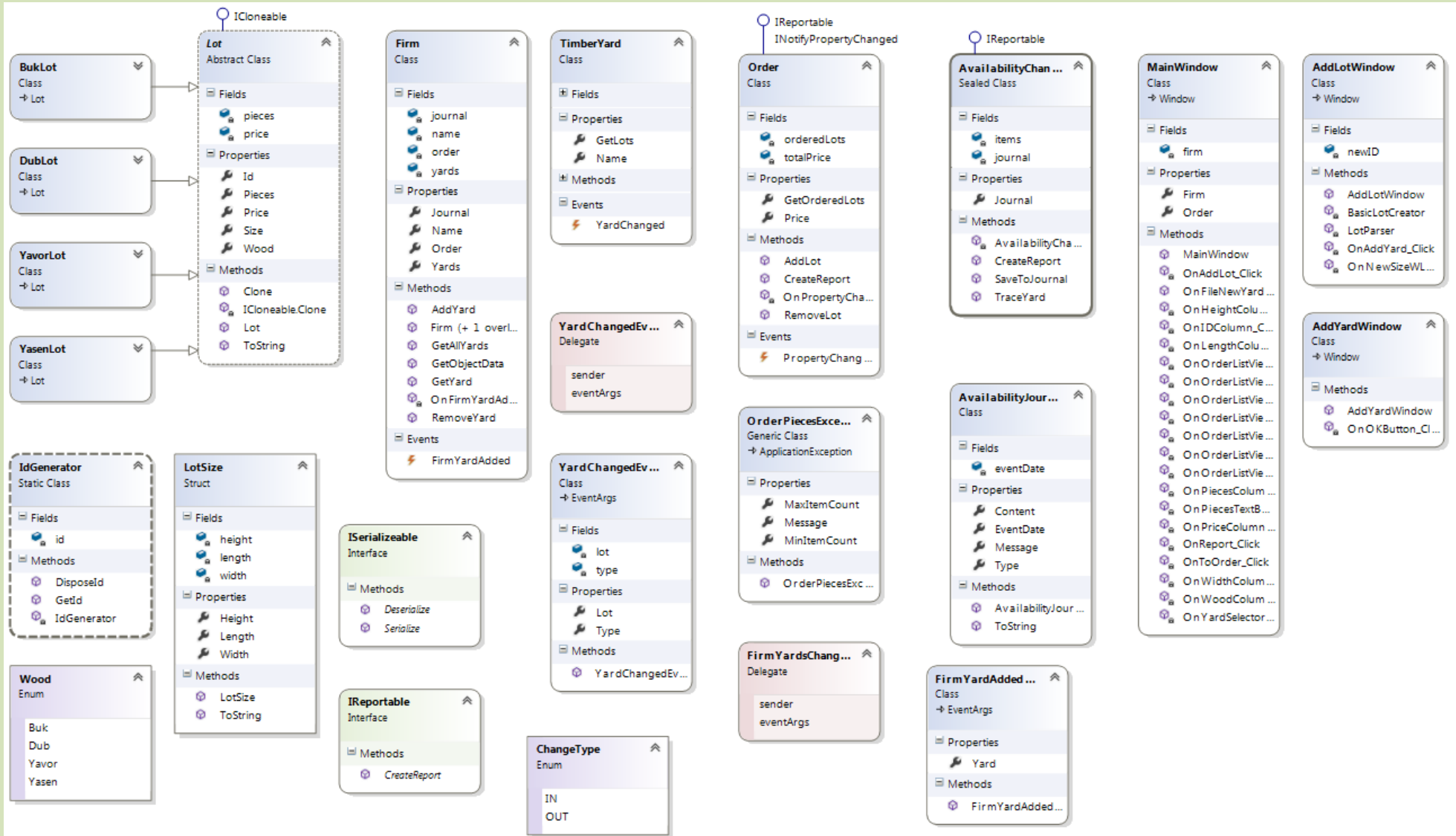
The top right table contains "ORDER IN-PRICE" field, which represents the current total purchase price (in-price) of the order below. The fields "ACCRUALS" and "TOTAL" are left to calculate the further accruals over the base in-price and calculate the total price of the order.

The URL of the Google Code Repository

<https://code.google.com/p/chrysocolla/>

Class Diagram Screenshot

(see next page)



Screenshots of the Firm Journal and Order_<Id> File

firm journal.txt - Notepad											
File	Edit	Format	View	Help							
5.12.2013	r.	04:30:35	q.	IN	000001	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	300
5.12.2013	r.	04:30:35	q.	IN	000002	Buk	Size[30 x 40 x 400]	Pieces:	60	Price:	30
5.12.2013	r.	04:30:35	q.	IN	000003	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	700
5.12.2013	r.	04:30:35	q.	IN	000004	Dub	Size[30 x 40 x 500]	Pieces:	50	Price:	300
5.12.2013	r.	04:40:03	q.	IN	000001	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	300
5.12.2013	r.	04:40:03	q.	IN	000002	Buk	Size[30 x 40 x 400]	Pieces:	60	Price:	30
5.12.2013	r.	04:40:03	q.	IN	000003	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	700
5.12.2013	r.	04:40:03	q.	IN	000004	Dub	Size[30 x 40 x 500]	Pieces:	50	Price:	300
5.12.2013	r.	04:40:34	q.	IN	000001	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	300
5.12.2013	r.	04:40:34	q.	IN	000002	Buk	Size[30 x 40 x 400]	Pieces:	60	Price:	30
5.12.2013	r.	04:40:34	q.	IN	000003	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	700
5.12.2013	r.	04:40:34	q.	IN	000004	Dub	Size[30 x 40 x 500]	Pieces:	50	Price:	300
5.12.2013	r.	04:43:36	q.	IN	000001	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	300
5.12.2013	r.	04:43:36	q.	IN	000002	Buk	Size[30 x 40 x 400]	Pieces:	60	Price:	30
5.12.2013	r.	04:43:36	q.	IN	000003	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	700
5.12.2013	r.	04:43:36	q.	IN	000004	Dub	Size[30 x 40 x 500]	Pieces:	50	Price:	300
5.12.2013	r.	04:44:17	q.	IN	000001	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	300
5.12.2013	r.	04:44:17	q.	IN	000002	Buk	Size[30 x 40 x 400]	Pieces:	60	Price:	30
5.12.2013	r.	04:44:17	q.	IN	000003	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	700
5.12.2013	r.	04:44:17	q.	IN	000004	Dub	Size[30 x 40 x 500]	Pieces:	50	Price:	300
5.12.2013	r.	04:46:33	q.	IN	000001	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	300
5.12.2013	r.	04:46:33	q.	IN	000002	Buk	Size[30 x 40 x 400]	Pieces:	60	Price:	30
5.12.2013	r.	04:46:33	q.	IN	000003	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	700
5.12.2013	r.	04:46:33	q.	IN	000004	Dub	Size[30 x 40 x 500]	Pieces:	50	Price:	300
5.12.2013	r.	04:48:03	q.	IN	000001	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	300
5.12.2013	r.	04:48:03	q.	IN	000002	Buk	Size[30 x 40 x 400]	Pieces:	60	Price:	30
5.12.2013	r.	04:48:03	q.	IN	000003	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	700
5.12.2013	r.	04:48:03	q.	IN	000004	Dub	Size[30 x 40 x 500]	Pieces:	50	Price:	300
5.12.2013	r.	04:48:42	q.	IN	000001	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	300
5.12.2013	r.	04:48:42	q.	IN	000002	Buk	Size[30 x 40 x 400]	Pieces:	60	Price:	30
5.12.2013	r.	04:48:42	q.	IN	000003	Buk	Size[300 x 40 x 4000]	Pieces:	50	Price:	700
5.12.2013	r.	04:48:42	q.	IN	000004	Dub	Size[30 x 40 x 500]	Pieces:	50	Price:	300

The screenshot shows a Notepad application window titled "order_22.txt - Notepad". The menu bar includes File, Edit, Format, View, and Help. The text content of the file is as follows:

```
Order #22
5.12.2013 r.
```

ID	wood	width	Height	Length	Pieces	Price
000016	Yasen			Size[3 x 4 x 5]	Pieces: 7	Price: 10,5
000017	Dub			Size[30 x 80 x 470]	Pieces: 3	Price: 18
000018	Buk			Size[30 x 40 x 400]	Pieces: 18	Price: 9,0
000019	Yasen			Size[3 x 4 x 5]	Pieces: 1	Price: 1,5
000020	Buk			Size[300 x 40 x 4000]	Pieces: 3	Price: 18
000021	Buk			Size[300 x 40 x 4000]	Pieces: 3	Price: 18

END OF ORDER
Issued: 5.12.2013 r. Signature: