



LENNERTS
& PARTNER GmbH

MobileApps - LoadControl

Documentation



MobileApps - LoadControl

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1 GENERAL

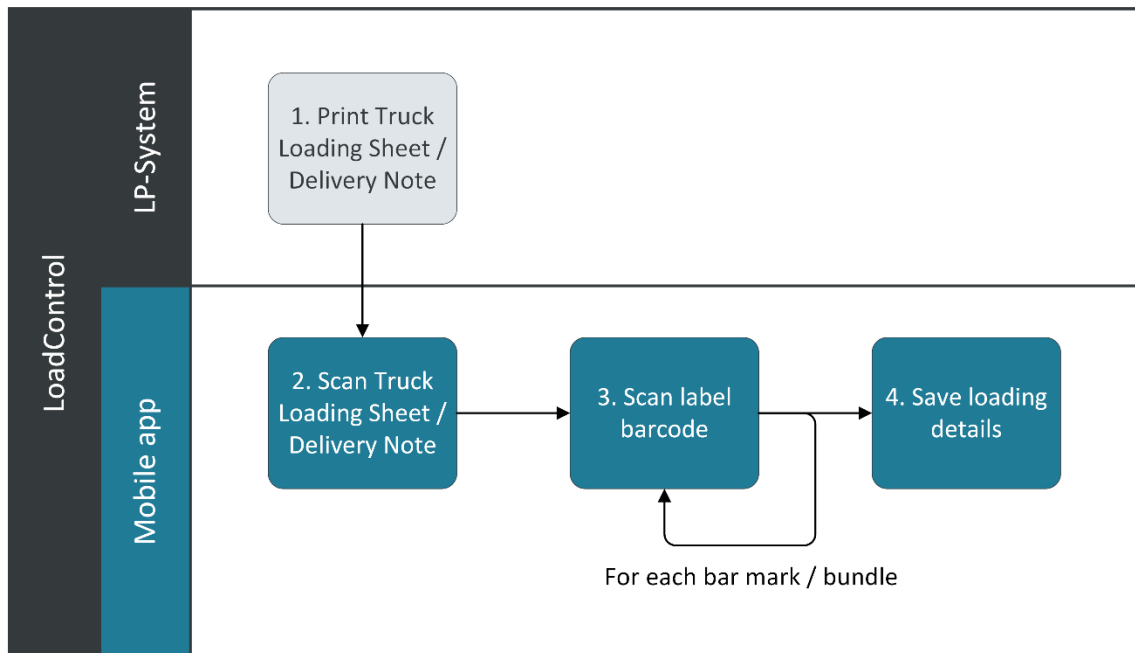
1.1 DESCRIPTION

The mobile app "LoadControl" was designed to run on a mobile scanner. It supports the loading process and allows to scan the bundles and bar marks. During the scan the app checks if the item belongs to the truck load or delivery note.

1.2 REQUIREMENTS

The mobile app requires a device with either Windows 10 operating system in version 1803 minimum or Android operating system in version 8.0 minimum.

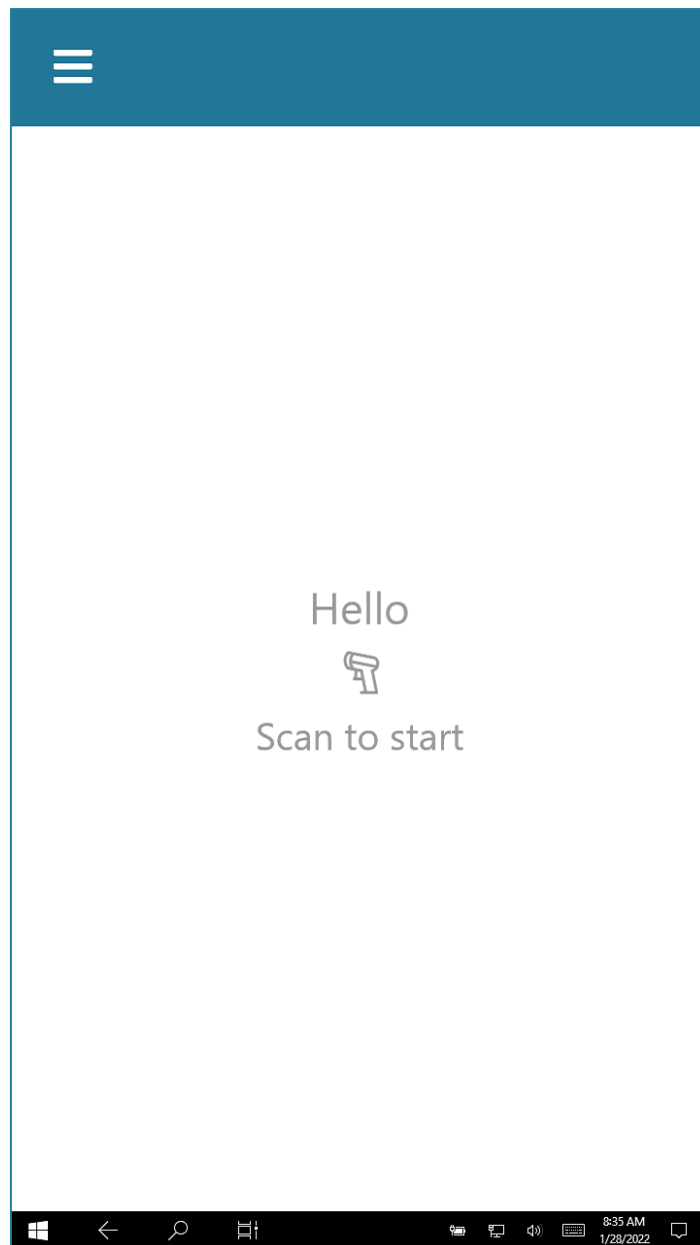
2 PROCESS FLOW



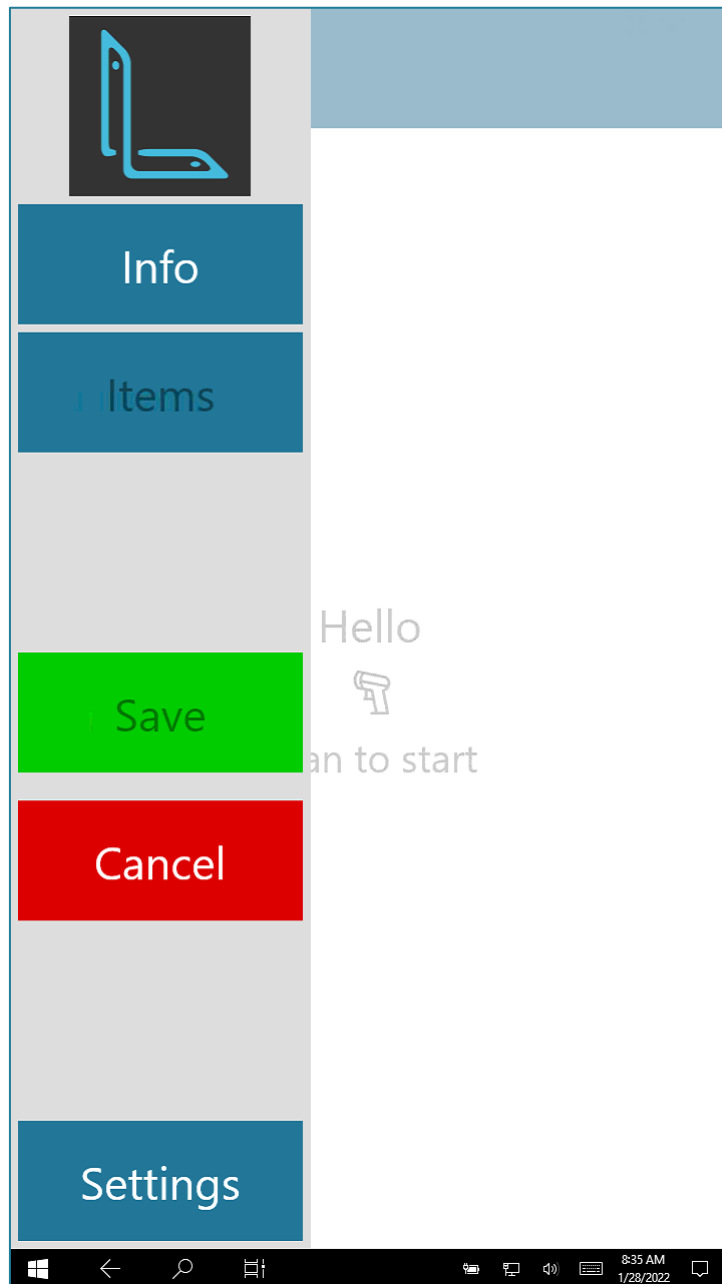
3 LOAD CONTROL

3.1 MENU

After starting the app, the main screen is displayed.









The button in the upper left corner opens the menu.

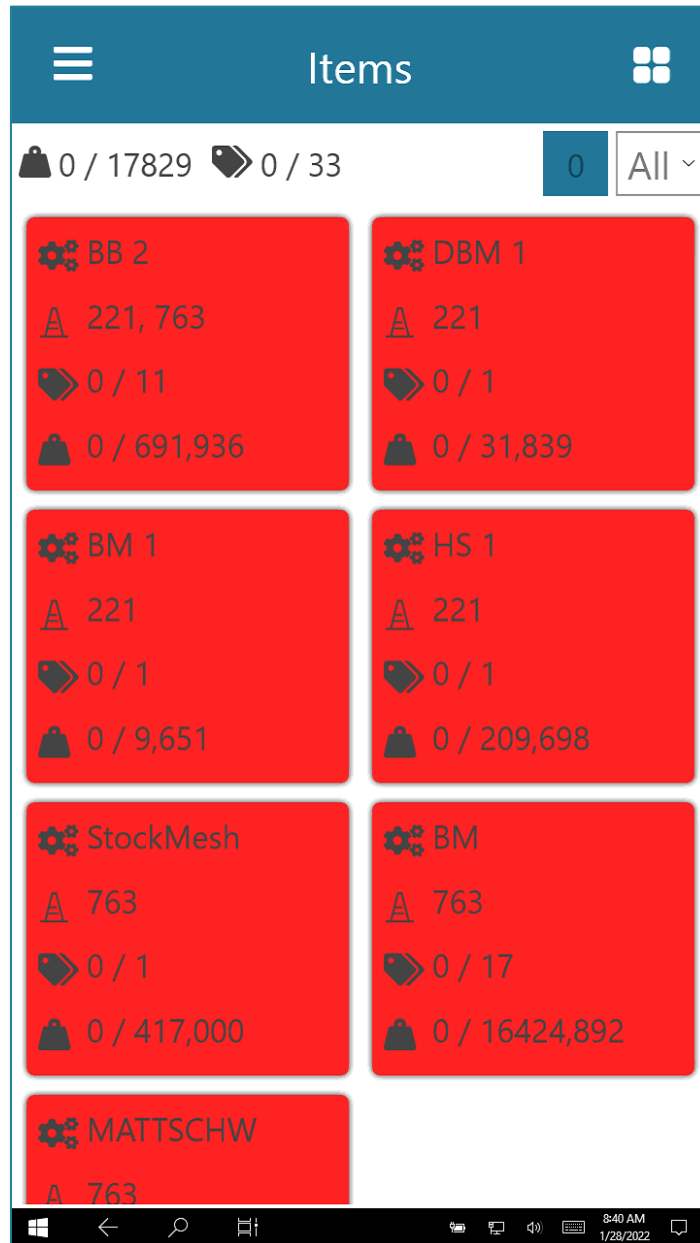


3.2 LOADING PROCESS

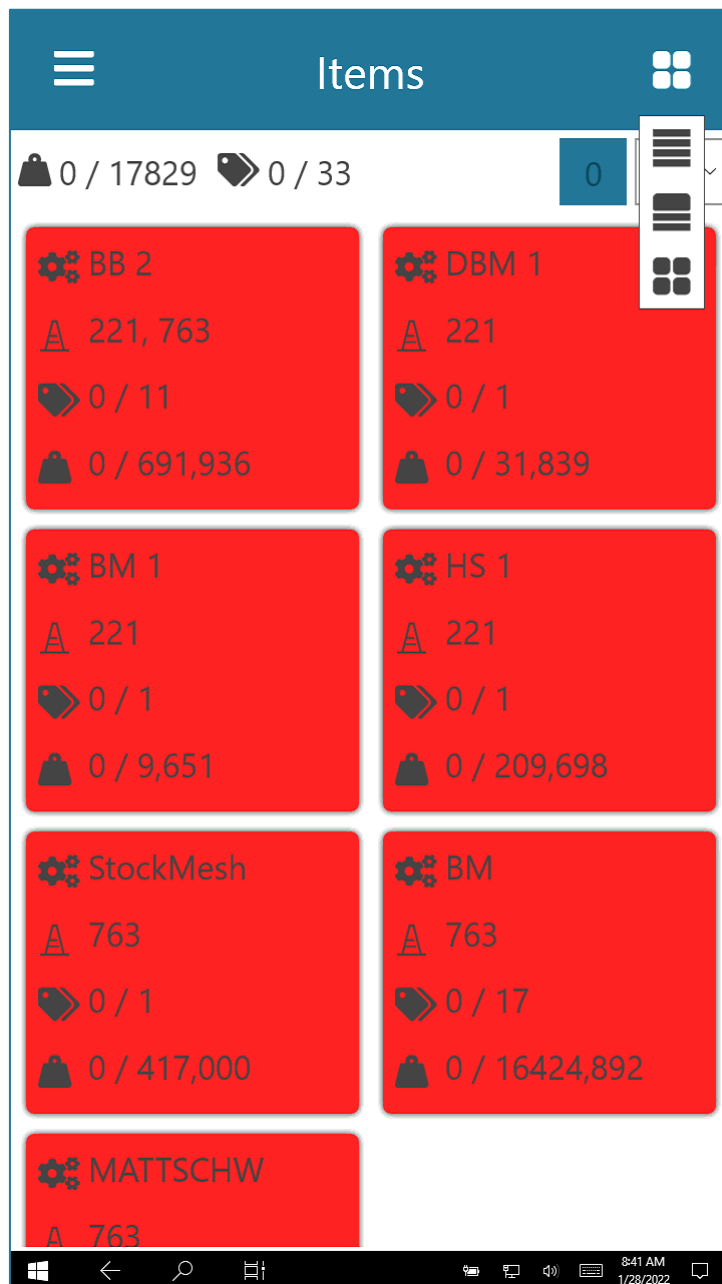
To start the loading process, scan the barcode of the truck loading sheet or delivery note.

Truck load		6390			Date: 29.05.2020 Page: 1 / 1																								
Loading date 12.02.2020	Transport date 11.02.2020	Driver / Shipper		Licence plate																									
Constr. site: Versionstest 05.50.10 Site engineer: Telephone:		Delivery address: Tankstelle Beiersdorfer Straße 67 D - 96450 Coburg 																											
Load no.	Delivery unit	Delivery date	Transport length / width	Weight																									
1	763	12.02.2020	10.00m x 2.50m	Rebar: 106,560 to Mesh: 16,841,890 to Spacers: 0,000 to Acc.: 0,000 to Prefab: 43,557 to																									
Schedules: B47/A		Colors: Gelb-Blau																											
Constr. site: Bürogebäude LP Site engineer: Telephone:		Delivery address: Bürogebäude LP Mohrenstraße 12 D - 96450 Coburg 																											
Load no.	Delivery unit	Delivery date	Transport length / width	Weight																									
2	221	28.10.2019	16.62m x 0.80m	Rebar: 836,564 to Mesh: 0,000 to Spacers: 0,000 to Acc.: 0,000 to Prefab: 0,000 to																									
Schedules: AT-201/A		Colors: Blau																											
Constr. site: Einkaufszentrum Site engineer: Telephone:		Delivery address: Einkaufszentrum Wolkerova 2743/31 CZ - 350 02 Cheb 																											
Load no.	Delivery unit	Delivery date	Transport length / width	Weight																									
3	749	22.11.2019	6.00m x 0.31m	Rebar: 757,863 to Mesh: 0,000 to Spacers: 0,000 to Acc.: 0,000 to Prefab: 0,000 to																									
Schedules: A: 22.11.2019		Colors:																											
<table border="1"> <tr> <th colspan="6">Total weight (kg)</th> </tr> <tr> <td>Rebar:</td> <td>Mesh:</td> <td>Spacers:</td> <td>Accessories:</td> <td>Prefab:</td> <td>Total:</td> </tr> <tr> <td>1.700,99</td> <td>16.841,89</td> <td>0,00</td> <td>0,00</td> <td>43,56</td> <td>18.586,43</td> </tr> </table>						Total weight (kg)						Rebar:	Mesh:	Spacers:	Accessories:	Prefab:	Total:	1.700,99	16.841,89	0,00	0,00	43,56	18.586,43						
Total weight (kg)																													
Rebar:	Mesh:	Spacers:	Accessories:	Prefab:	Total:																								
1.700,99	16.841,89	0,00	0,00	43,56	18.586,43																								
<table border="1"> <tr> <th colspan="5">No. of items</th> <th>Transport length / width</th> </tr> <tr> <td>Rebar:</td> <td>Mesh:</td> <td>Spacers:</td> <td>Acc.:</td> <td>Prefab:</td> <td>Total:</td> </tr> <tr> <td>14</td> <td>18</td> <td>0</td> <td>0</td> <td>1</td> <td>33</td> </tr> <tr> <td colspan="5"></td> <td>16.62m x 2.50m</td> </tr> </table>						No. of items					Transport length / width	Rebar:	Mesh:	Spacers:	Acc.:	Prefab:	Total:	14	18	0	0	1	33						16.62m x 2.50m
No. of items					Transport length / width																								
Rebar:	Mesh:	Spacers:	Acc.:	Prefab:	Total:																								
14	18	0	0	1	33																								
					16.62m x 2.50m																								
																													
OK			Cancel																										
LENNERTS & PARTNER GmbH 1 Mohrenstraße 12 D - 96450 Coburg			Tel.: +49 9561 80400 Fax: +49 9561 804040 Mail: info@lennerts-partner.de																										

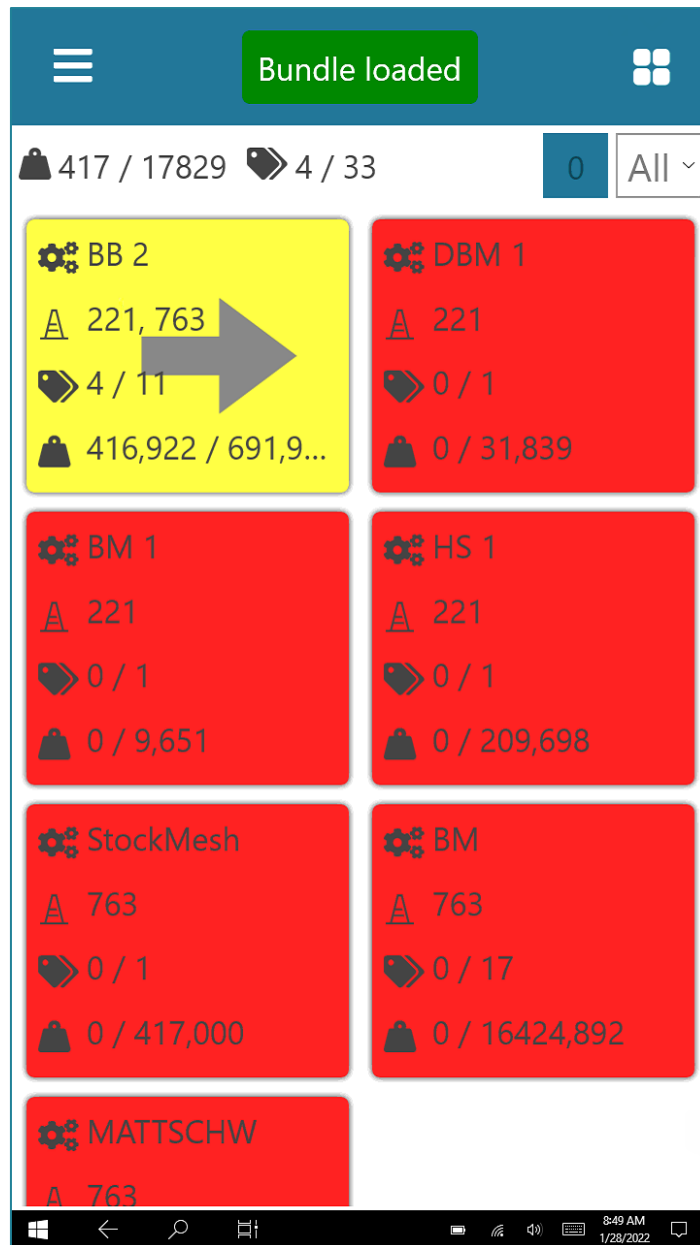
After scanning tiles for each production hall and machine appear. On the tiles the list of delivery units, the already loaded and total no. of items as well as the already loaded and total weight is shown. Above the list you can find a summary of the already loaded and total weight and the already loaded and total no. of items.



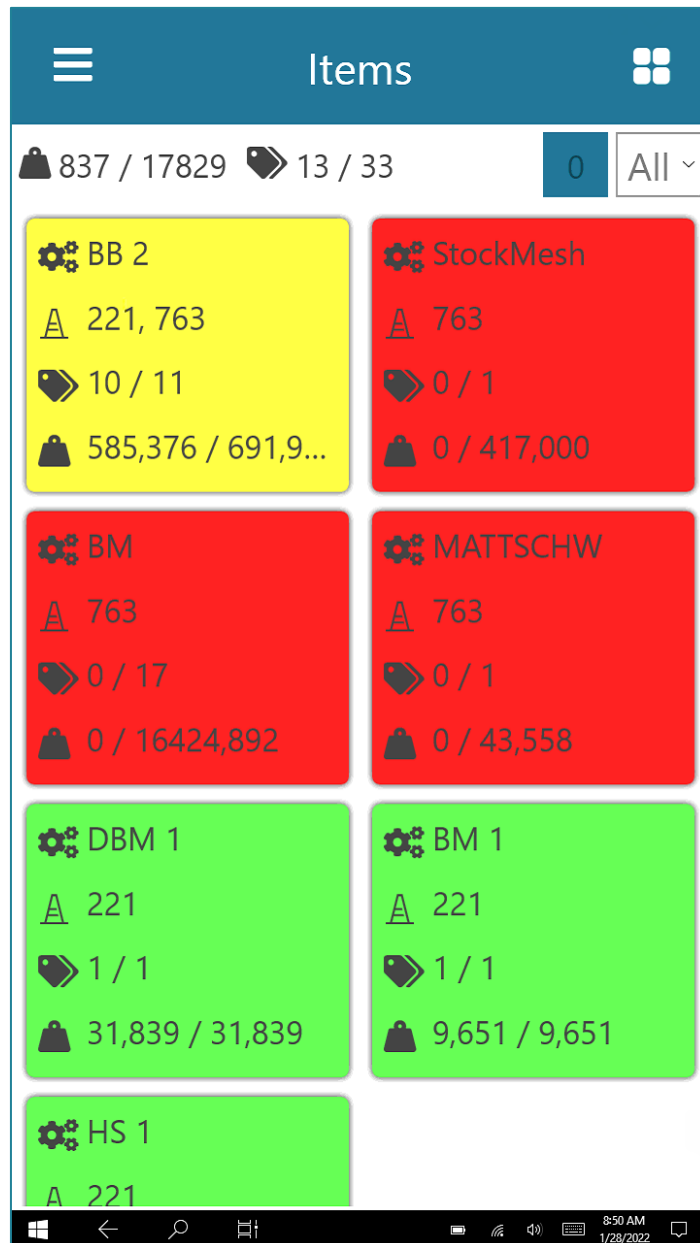
With the button in the upper right corner the display can be changed.



Now, the remaining items to be loaded are scanned. Does the scanned item belong to the truck load an animation is shown und the values of the corresponding tiles are updated.



When all items of a machine are loaded the color of the tiles changes to green and it is moved to the end of the list. If you have finished the loading process finished you can click on the button "Save" in the menu resp. scan the OK barcode to save the loading details. Furthermore, this way you can also interrupt the loading process and continue it later. A click on the button "Cancel" in the menu resp. scanning the Cancel barcode will dismiss the loading details.



The result of the load control can be checked any time in LP-SYSTEM in the loading control list in the dialog "Truck loads".

Loading list

☐ Delivery note ☐ with details Sorting: ☐ descending
☒ Truck load 6390 ☐ with loading history



☒ Lfs vorhanden



	Cargo n	Delivery n	Deliv. Unit	Bar marl	Machine sh	Quanti	Part	Pos	h	Loading	Status	Description	Schedule/Bundl	Shape cod	Operator r	Loading time	Cancelled	Manual	Error
■	6390		221			1		99			5	1001197			28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390		221			1		99			5	1001198			28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390		221			1		99			5	1001199			28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390		221			1		99			5	1001196			28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390		221			1		99			5	1001200			28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48651	221	12	BM 1	2	1	1			5	14	AT-201	3d	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48651	221	8	BB 2	12	1	1			5	10	AT-201	508	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390		763		Lager	1		99			11		1001184		28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390		763		Lager	1		99			11		1001185		28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48652	763	2	BM	76	5	2			11	R188A	B47/A	214	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48652	763	2	BM	76	11	2			11	R188A	B47/A	214	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48652	763	2	BM	76	12	2			11	R188A	B47/A	214	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48652	763	2	BM	76	13	2			11	R188A	B47/A	214	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48652	763	2	BM	76	14	2			11	R188A	B47/A	214	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48652	763	2	BM	76	15	2			11	R188A	B47/A	214	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48652	763	2	BM	76	16	2			11	R188A	B47/A	214	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48652	763	2	BM	38	17	2			11	R188A	B47/A	214	28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>
■	6390	48652	763	1	TTTSCHW	1	1	4			11	C4248	B47/A		28	11.02.2020 - 13:08		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Number bundle tags 7 Number of tags straight bars 0 Number of tags bent bars 2 Tags mesh 8 Accessories 0 Prefab 1
 Number of 18 still to load.. 18 already loaded. 0

3.3 LIST VIEW


By clicking on a tile, you can open the list view. Here the items and bundles are shown separately.




Items






 0 / 17829
  0 / 33

0 All ▾


Without loading site



 BB 2





 221, 763
  0 / 691,936

 0 / 11
 



221	1	1001196
221	10	1001199
221	11	1001196
221	2	1001196
221	3	1001197
221	5	1001196
221	6	1001198
221	7	1001198
221	8	
221	9	1001199
763	1	1001184


 BM





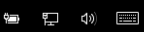
 763
  0 / 16424,892

 0 / 17
 



763

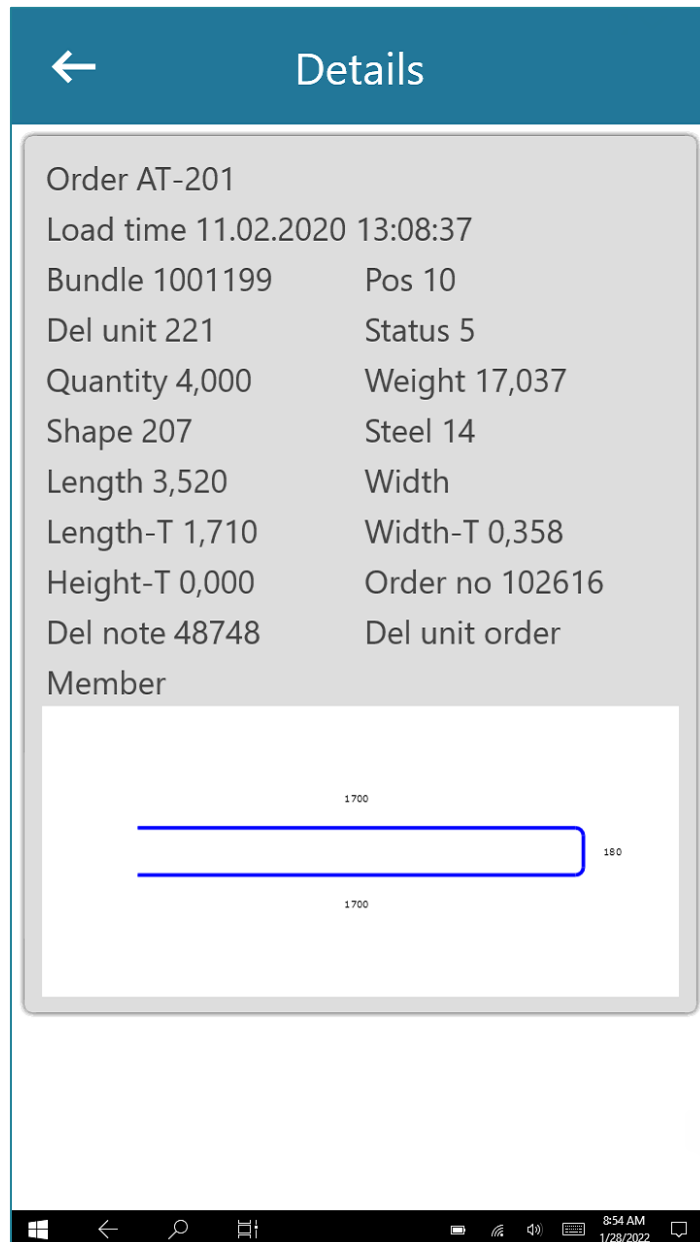
2








8:41 AM
1/28/2022

3.4 DETAIL VIEW

Click on an item in the list view to open a detail view of the item.



3.5 FILTERING BY DELIVERY UNIT

If you prefer to load by delivery unit, you can filter the display by delivery unit. Simply choose the corresponding delivery unit no. on the list of delivery units. The check if a scanned item belongs will be filter by delivery unit as well. Besides choosing the delivery unit you can also scan the delivery unit barcode.

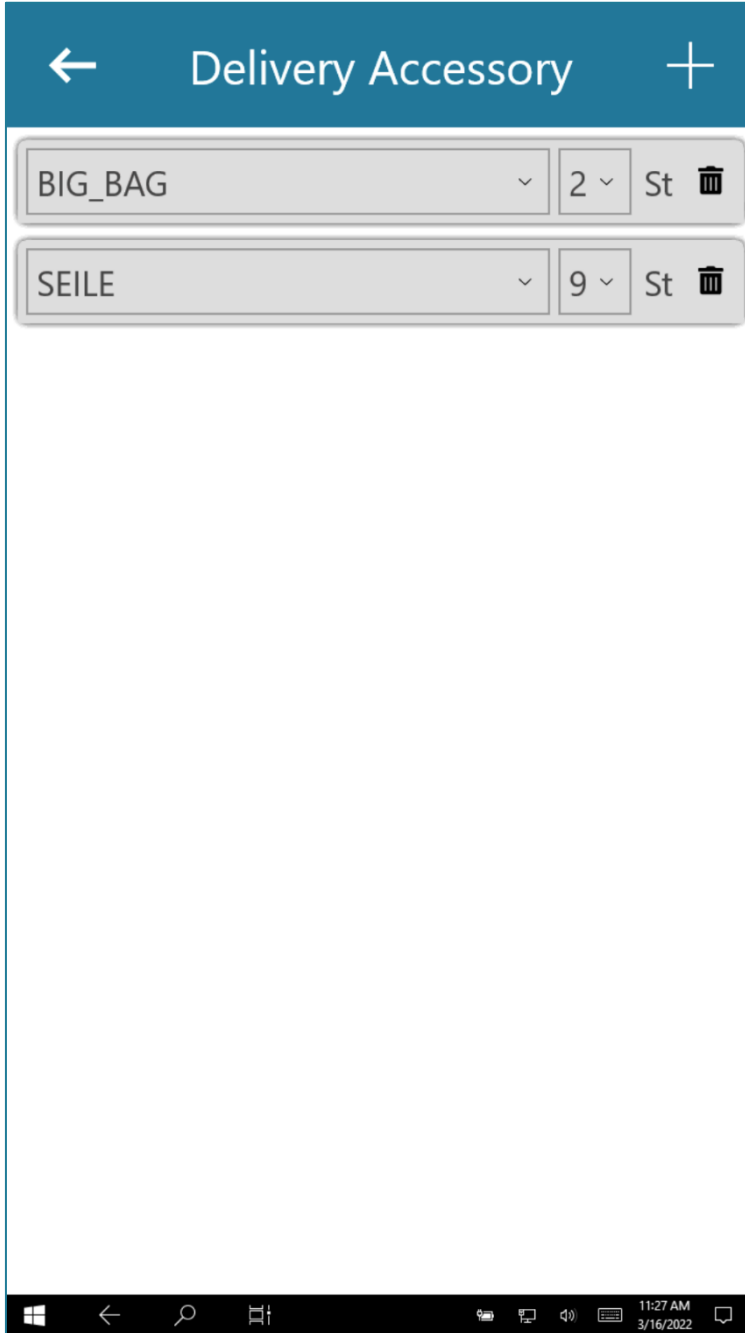


3.6 DELIVERY ACCESSORIES

When the display is filtered by delivery unit, you can also add delivery accessories to the corresponding delivery unit. To do so, please click the button in the upper right corner next to the delivery unit filter resp. scan the barcodes of the delivery accessory.



The following page shows already entered delivery accessories. You can edit the lines if needed.



The screenshot shows a mobile application interface titled "Delivery Accessory". It features a list of two delivery accessories. Each entry consists of a text field, a quantity field, a unit field, and a delete icon.

Accessory	Quantity	Unit	Action
BIG_BAG	2	St	Delete
SEILE	9	St	Delete

The bottom of the screen shows a Windows mobile OS taskbar with icons for back, search, and task view, along with the date and time: 11:27 AM 3/16/2022.

By clicking the button “+” in the upper right corner can add a new line.

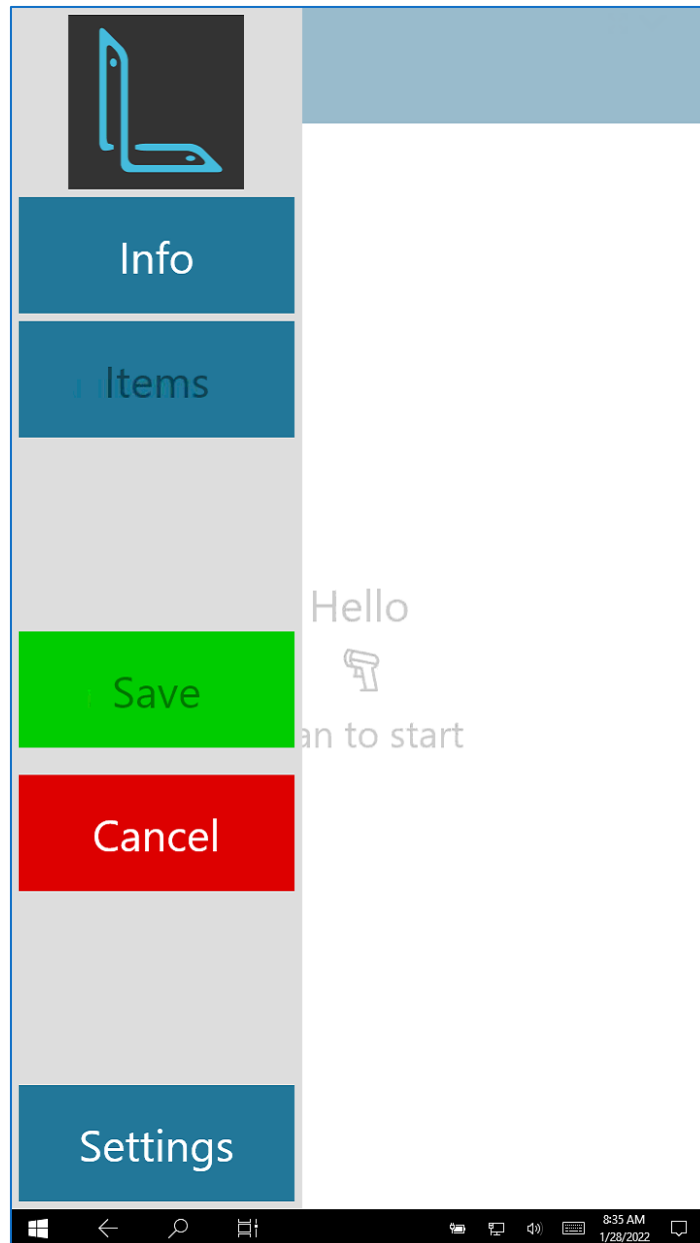
The screenshot displays the 'Delivery Accessory' application interface. At the top, there is a blue header bar containing a back arrow on the left, the title 'Delivery Accessory' in the center, and a plus sign (+) on the right. Below the header, the main content area lists three items, each in a light gray box with a dropdown arrow on the right:

- BIG_BAG** with a quantity of **2** and a status of **St** (with a trash icon).
- SEILE** with a quantity of **9** and a status of **St** (with a trash icon).
- Select...** with a quantity of **1** and a status of **St** (with a trash icon).

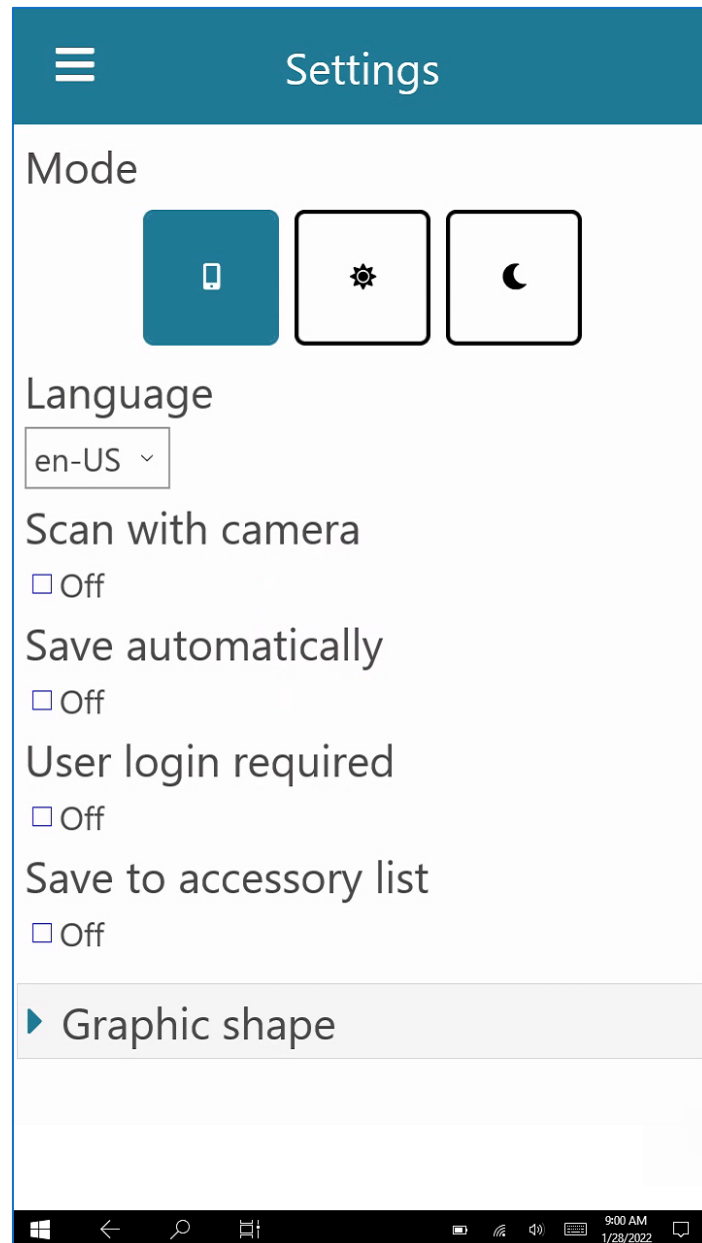
A dropdown menu is open for the 'Select...' item, showing a list of options: 002507, 003522, 006564, 008035, 008036, BAND, BIG_BAG, and SEILE. The bottom of the screen shows a Windows mobile taskbar with the time 11:36 AM and date 3/16/2022.

4 CONFIGURATION OF THE MOBILE APP

Click on "Settings" in the main menu to configure the application.



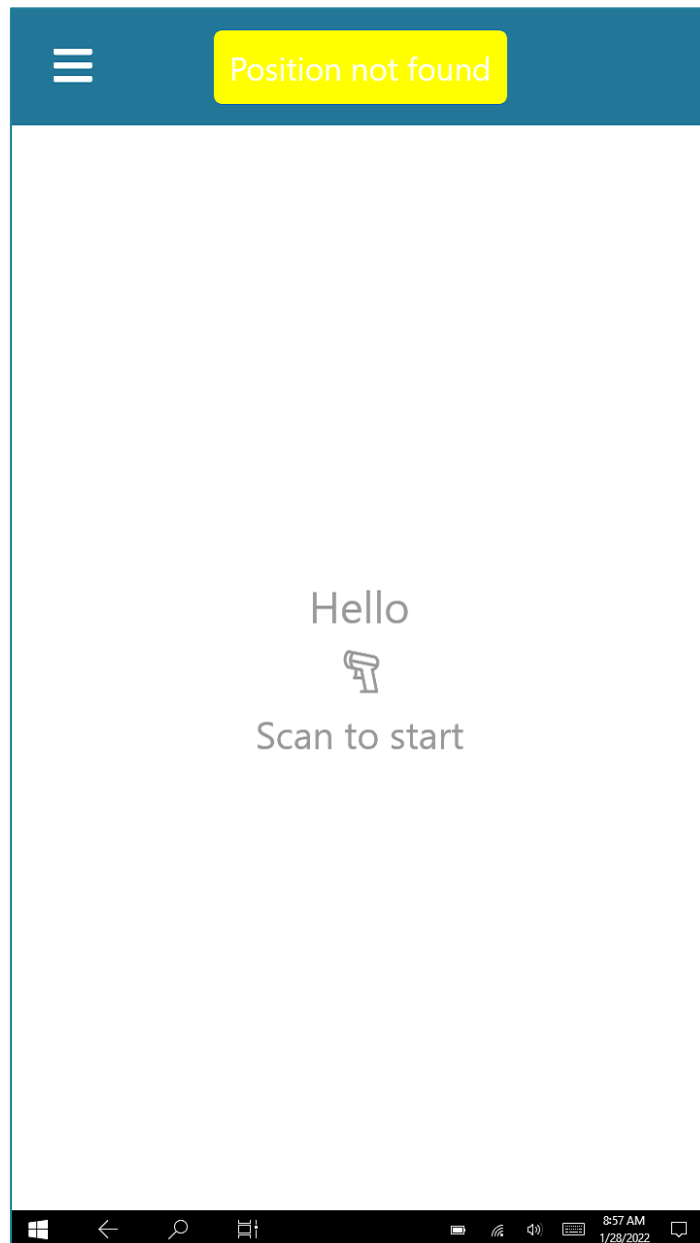
In the settings you can choose the application language. The option "Auto save" activates a constant saving and refresh of the loading details in the background. The option "User login required" forces the operator to logon using the operator barcode before scans can be performed. Under "Graphic shape" several adjustments regarding the measured shape code picture can be found.



5 POSSIBLE ERRORS

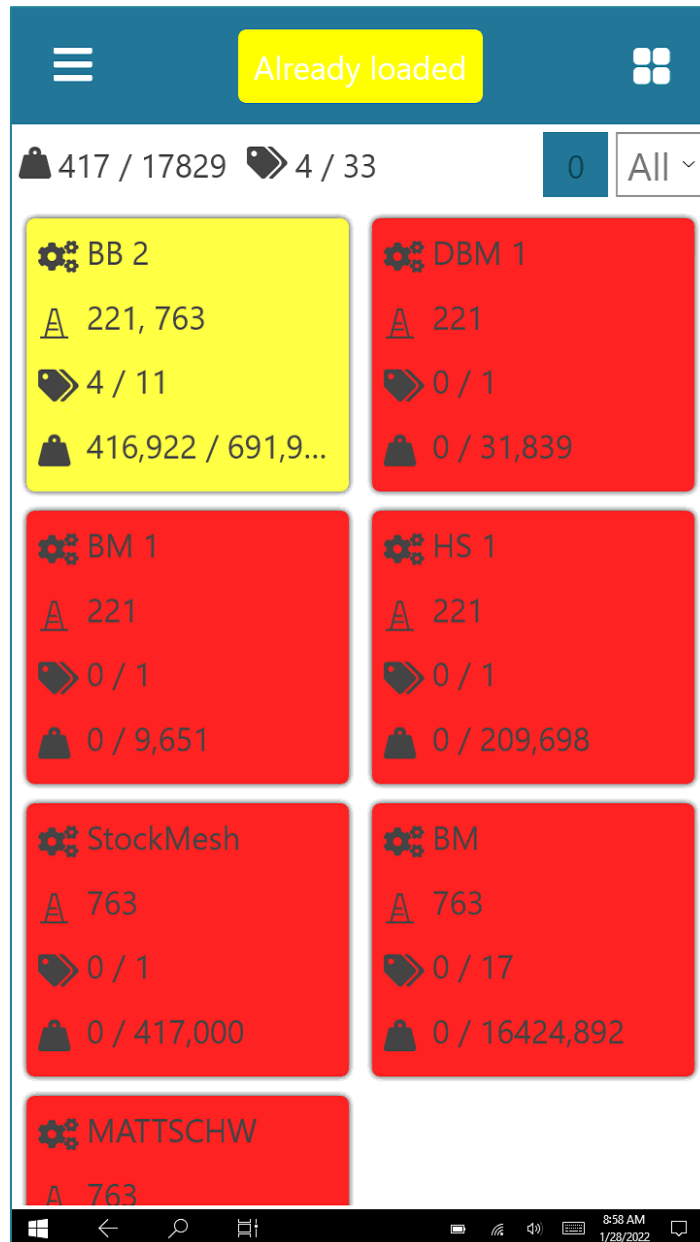
5.1 TRUCK LOAD / DELIVERY NOTE NOT SELECTED

This error appears when any item barcode is scanned before scanning a truck load or delivery note. Please choose a truck load resp. delivery note first.



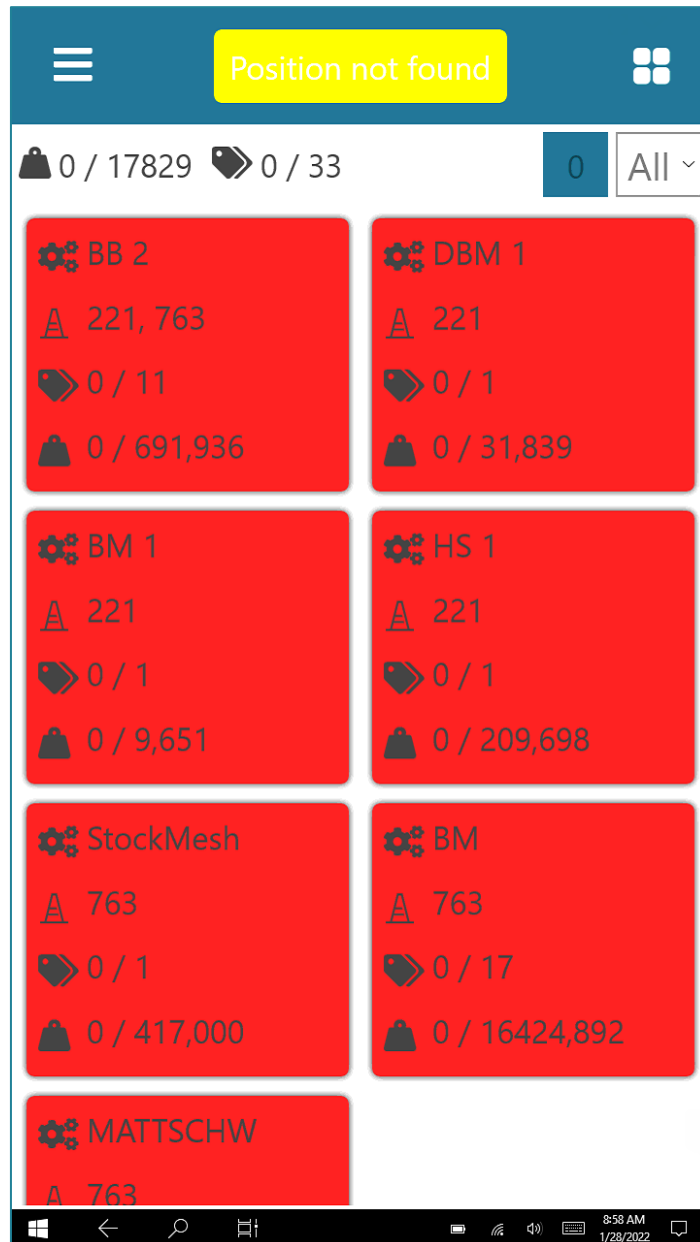
5.2 ITEM ALREADY LOADED

This error appears when an already loaded item is scanned again. An already loaded item cannot be loaded again.



5.3 ITEM DOES NOT BELONG TO TRUCK LOAD / DELIVERY NOTE

This error appears when an item is scanned that does not belong to the selected truck load resp. delivery note. Do not load the item onto the vehicle.



5.4 INVALID BARCODE

This error appears when an barcode is scanned that the system does not recognize.

