



Wine Inventory Project

Background

- The Wine Store used a paper-based method to keep track of the wine inventory.
- The method was good but was not accurate.
- I saw the potential to optimize the inventory management system to a computer-based system, that would also increase the efficiency of other processes.
- I developed a program with the help of a scanner gun to keep track of the inventory using the code bars in an easier way.
- Also, the program had an easy way access to specific details about products in the inventory.





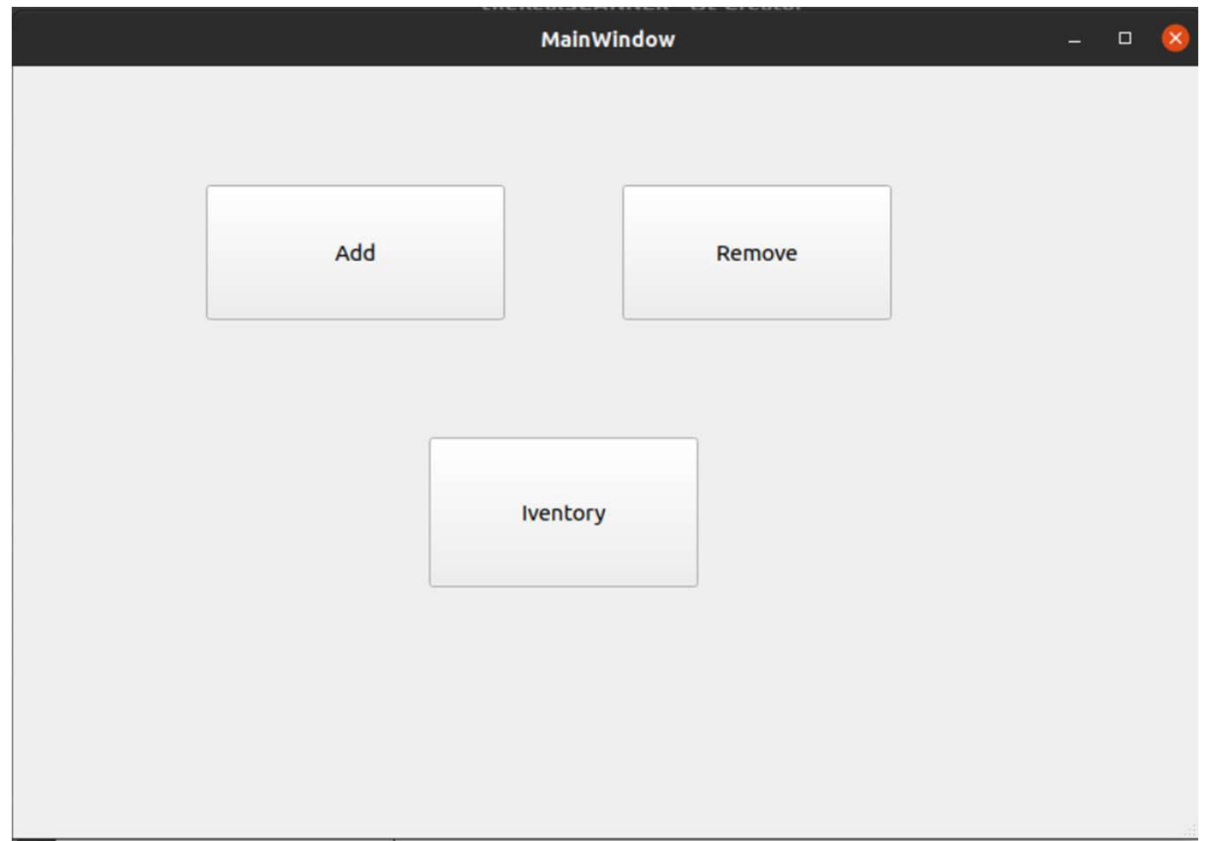
General information about the program

Used c/c++ to develop the back-end and Qt to the develop the front-end.

In the program you could add boxes, take out boxes and search for specific boxes in the inventory by brand, type of wine (varietal) and or both.

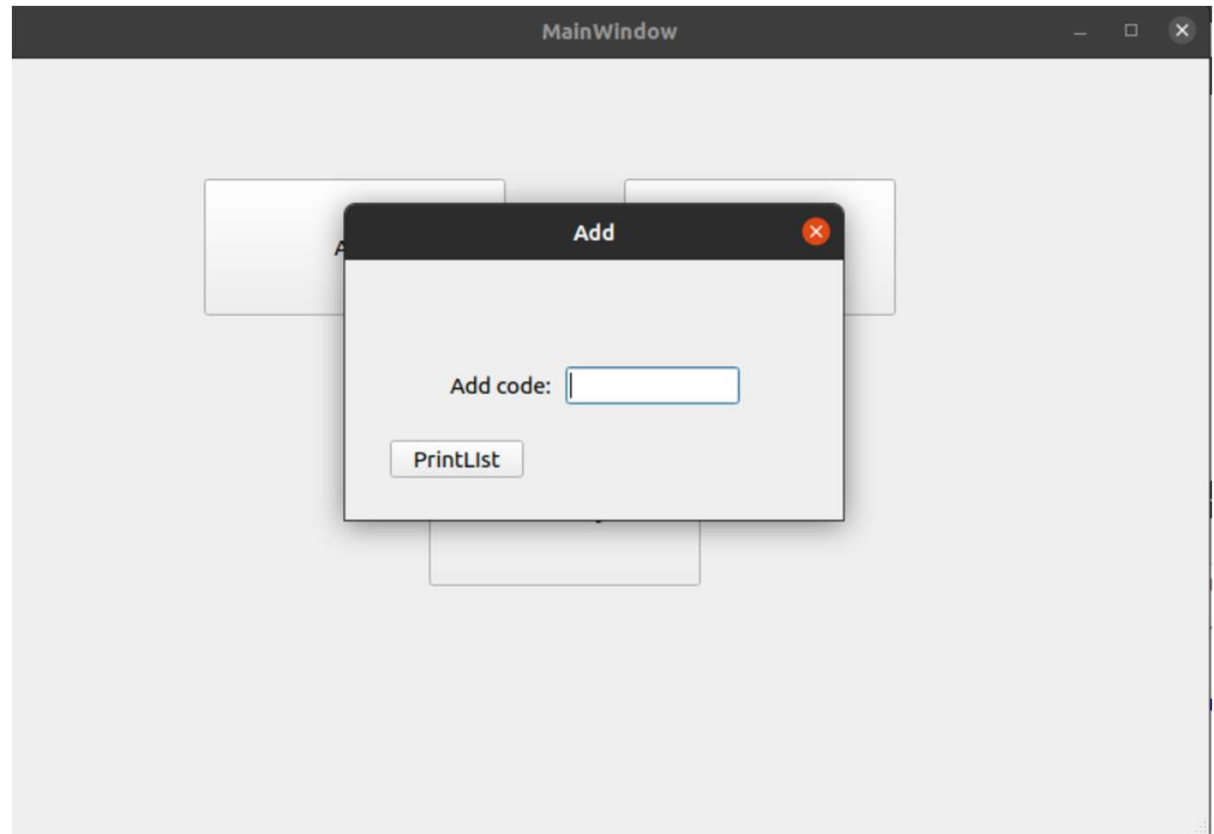


Main page



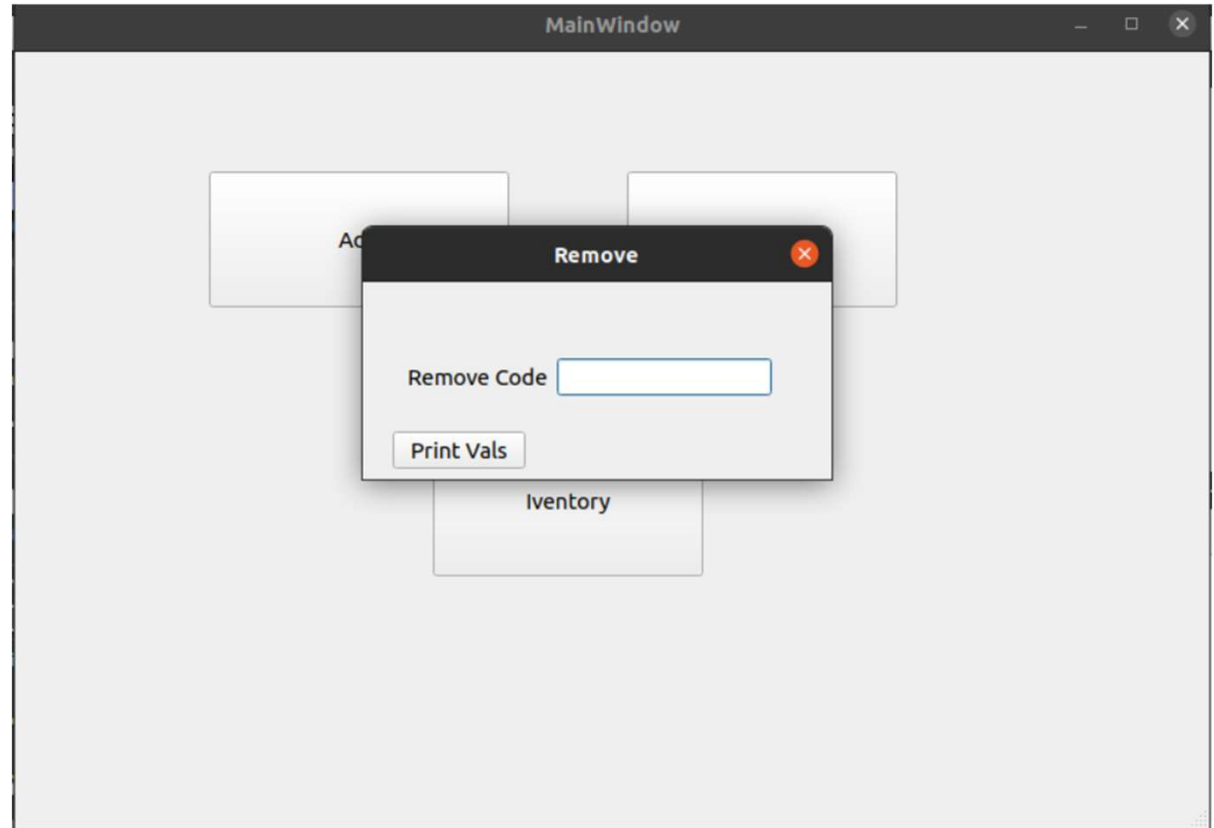
Add new box

- Note to add a box into the inventory you just scan the box and automatically updates the list in the inventory.



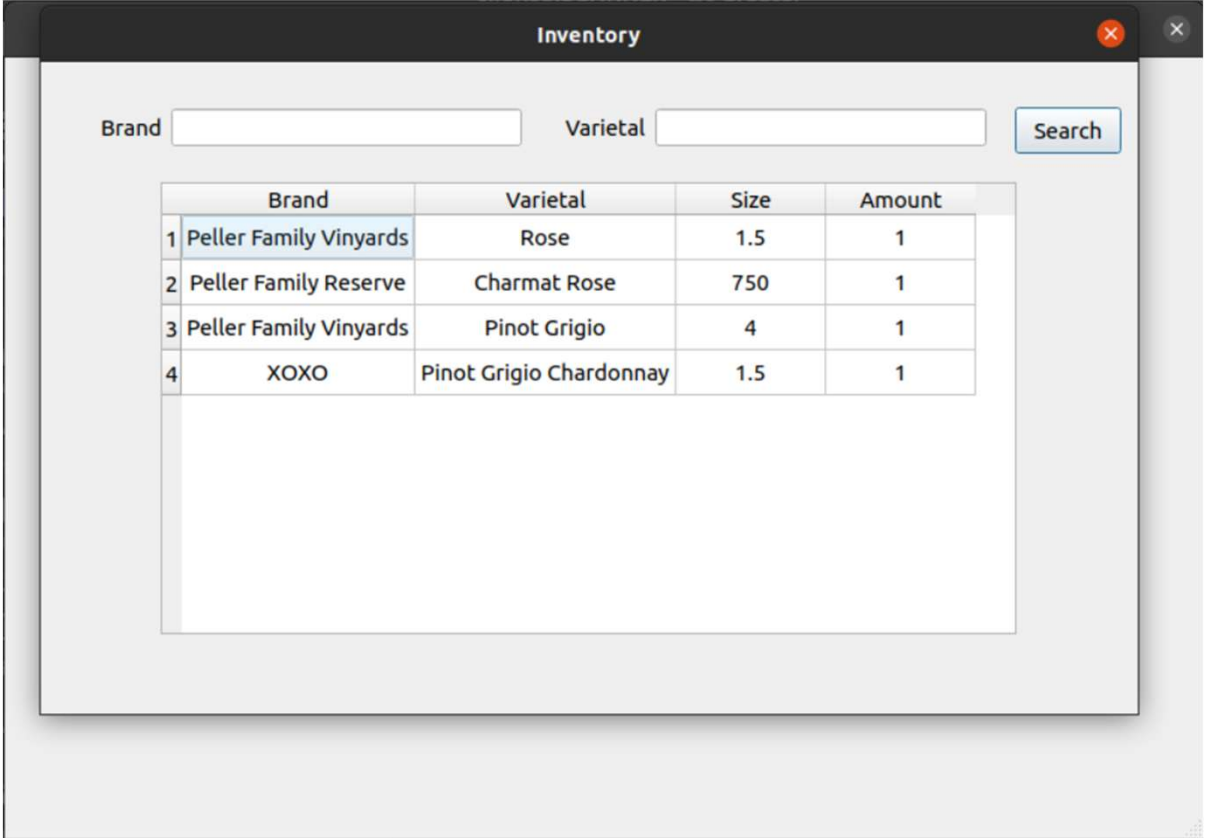
Remove box from inventory

- Same procedure as the add



The inventory

- Here a list of the wines that are in storage.

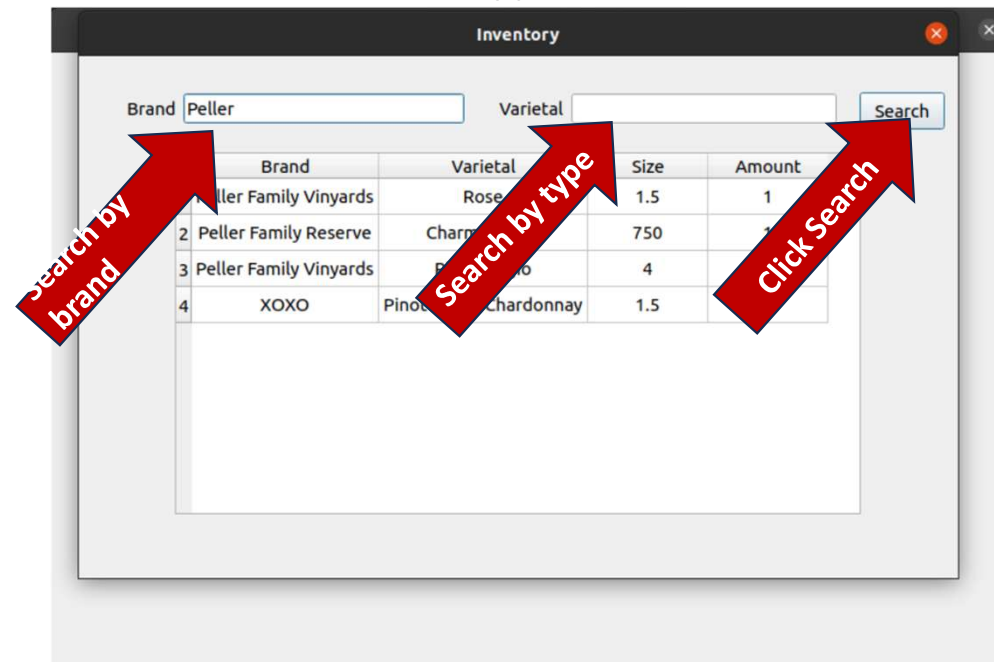


The screenshot shows a web application window titled "Inventory". It features two search input fields labeled "Brand" and "Varietal", followed by a "Search" button. Below the search fields is a table with four columns: "Brand", "Varietal", "Size", and "Amount". The table contains four rows of data, with the first row highlighted in blue. The rows represent different wine brands and varieties, their sizes, and the amount in storage.

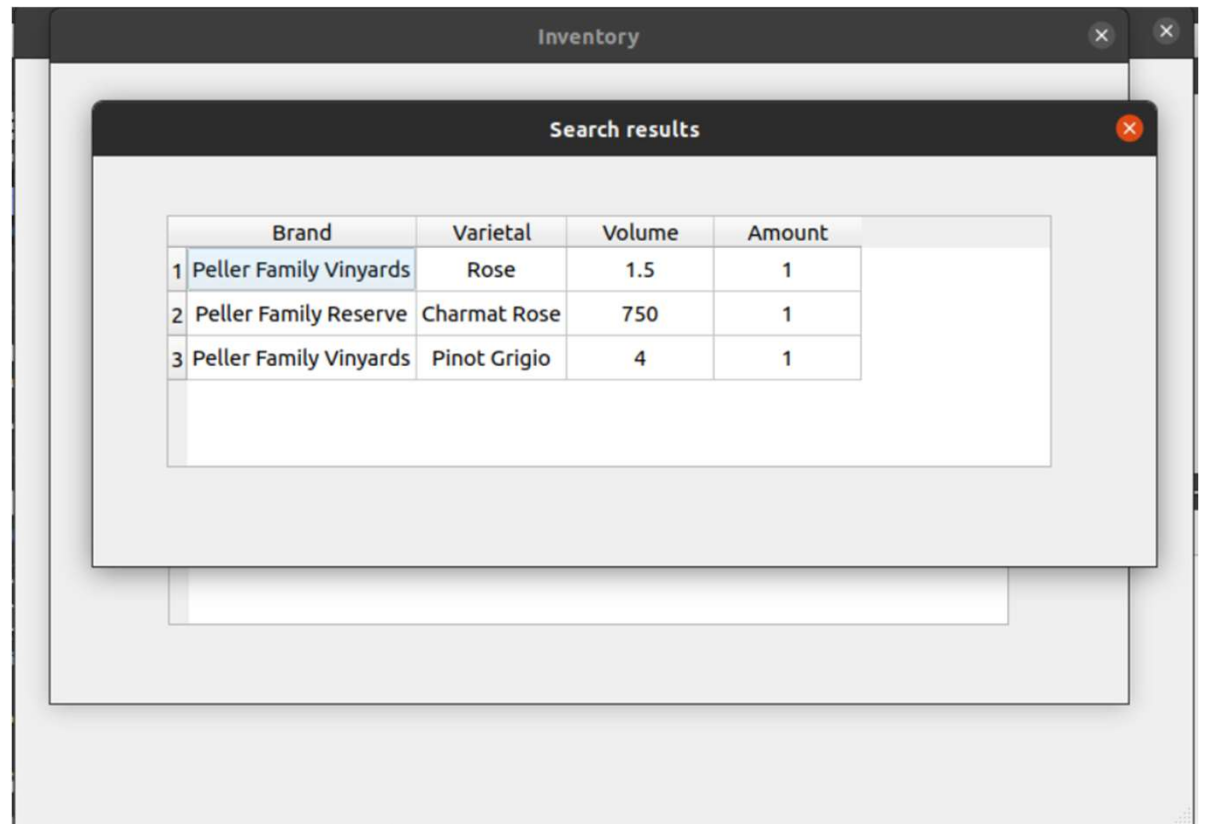
	Brand	Varietal	Size	Amount
1	Peller Family Vineyards	Rose	1.5	1
2	Peller Family Reserve	Charmat Rose	750	1
3	Peller Family Vineyards	Pinot Grigio	4	1
4	XOXO	Pinot Grigio Chardonnay	1.5	1

A search feature added

- Located at the top this feature looks for a specific type of wine by entering the brand of the wine or the type (varietal) of wine



Results are shown. Note that volume refers to the amount in ml. per bottle and amount stands for the number of boxes. Note the is 750ml, 1.5L and 4L



	Brand	Varietal	Volume	Amount
1	Peller Family Vinyards	Rose	1.5	1
2	Peller Family Reserve	Charmat Rose	750	1
3	Peller Family Vinyards	Pinot Grigio	4	1