



## Cart

Your application should include a table on the first page (use `QTableWidget`) and at the bottom of it you will see the add product button, the add to cart button, and the checkout button.

Each product in this application is a class that has a product name, product classification, product price, and quantity in stock. First, create 10 hardcoded products in the program code.

By clicking on the add product button, a form will open in the form of a dialogue, which will receive a product with the above specifications from the user and add it to the list of products.

By clicking on the add to cart button, a dialogue form will be opened that will receive the name of the product from the user and search among its products. If the product is found, it will show its details to the user and if the user approves, it will be added to the shopping cart.

The shopping cart is on the first page in the form of a table where the product name, price and quantity columns are located. The name of the product and its price are fixed, and its quantity is in the form of a Spin Box, which the user can increase and decrease. (Note that the Spin Box must be present in the table itself for each product in the shopping cart)

By clicking to complete the purchase, the total price is first calculated and shown to the user with a

message box, and if the user approves, the purchase is completed and the shopping cart is empty and the user can make another purchase. Also note that the number in stock for the products should

be updated. If the requested number is more than the available number, it should give an error message.

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