Unit testing of the logout function

This function tries to logout a user with a cart, doing which is automatic if the cart is empty, but if it is not then the user needs to decide to empty the cart or cancel the logout.

The function takes input in the form of a cart, including a list of products in the cart, and input from the user on the form Y/N.

The input domain can be divided into four equivalence classes (EC):

1. An empty cart
2. A cart with items
3. User input Y
4. User input N

For each EC, we need to test at least one input.

This leads to the following test requirements:

R1. Cart is empty => return True.

R2. Cart not empty and user input is Y => return True.

R3. Cart not empty and user input is N => return False.

R4. Cart not empty and user input is Y => cart is empty after.

R5. Cart not empty and user input is N => cart is not empty after.

Using these guidelines, the tests in the test specification file was created, which tests all equivalence classes and tests that the function calls are correct.