Program description

**Identify the problem: - what are you trying to do?**

The first stage of developing the program is to identify the problem and solution. In this case the problem presented is the ability to make a purchase product(s) through a webstore in the shortest amount of time possible. The two steps to find the solution are identifying the requirements and specifications. The requirements consist of the necessary components of the program to reach the goal. The specifications consist of the steps of the program to fulfill the requirements.

* Requirements:
  + Display product list
  + Display product description
  + Add product(s) to cart
  + Check out
* Specifications:
  + List all the available product with name and possible image
  + Select a product to view detailed information
  + Add the selected product to the cart
  + View the cart with the products that have been added
  + Fill out information about full name and address
  + Check out
  + Display confirmation messages after actions take place

**Designing a solution: - how is it going to be done?**

The second stage is designing a solution for the problem. In an effort to implement the solution, the steps the program has to take to reach the goal shall be formulated. This is done in pseudocode or a flowchart.

To implement the solution, the steps the computer shall take are formed and

1. **BEGIN**
2. **DISPLAY** product list
3. **READ** product selection
4. **DISPLAY** product description
5. **READ** product name
6. **ADD** product to cart
7. **DISPLAY** confirmation
8. **DISPLAY** cart
9. **READ** full name and address
10. **DISPLAY** confirmation
11. **END**

**Writing the program: - what are the specifications? Can we run it?**

**Check the solution: - is it solving the problem?**

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