



1 ## Step 3: Creating a Design Outline

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3 ### Planned Tasks

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5 1. ****Add New Product****:

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7 - Input: Product `name`, `price`, and `stock quantity`.

8 - Output: Add product to the list.

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10 2. ****Update Stock****:

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12 - Input: Product `name` and stock change (+ or -).

13 - Output: Update stock in the product list.

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15 3. ****View Products****:

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17 - Input: None.

18 - Output: Display all products with their details.

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20 4. ****Remove Product****:

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21 - Input: Product `name`.

22 - Output: Remove product from the list.

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24 ### Code Components

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26 1. ****Variables****:

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28 - A list to store product details (`List<Product>`).

29 - Temporary variables for user input.

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31 2. ****Methods****:

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33 - `AddProduct()`

34 - `UpdateStock()`

35 - `ViewProducts()`

36 - `RemoveProduct()`

37 - `Main()` for the application entry point.

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39 3. ****Control Structures****:

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41 - Use `if-else` and `switch` for menu selection.

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43 4. ****Loops****:

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44 - Use a `while` loop for keeping the application running until the user exits.

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