Design Document: Submitted as Reflection?

Items:

Variables: item name, unit, number to buy, and unit price

Set and get functions

List Variables

An Array of Items

Dynamic Array Initial Size 4. When it is full and an item is added the array should double in size.

Create a List, add items, remove items, display the shopping list

To add an item you should prompt the user to enter the name, unit of sale, the number needed, and the unit price.

1. Varying lengths.
2. Handle Spaces in Names.
3. Validate Numeric Entry.
4. Restrict Monetary Amounts to Two Decimal Places.
5. Display Function must display total cost of trip.

Design – I pseudocode or flowcharts: matching inputs to expected outputs: designing test cases including unexpected inputs.