**Test Case Title:** Water Bottle

Two types of test cases are there:

1. Positive test cases
2. Negative test cases

Positive test cases:

1. Installation Testing:

1. Verify whether all the parts of the Water Bottle are available or not
2. Verify that the Water Bottle’s Cap is fitted properly.
3. Verify that the Water Bottle’s Cap is Sealed.
4. Verify that the Bottle can’t be resealed after using it.

2. UI Testing or Design-based Testing:

1. Does the Water Bottle follow the design specification?
2. Does the Water Bottle have the color as per specification?
3. Is the Cap of the Water Bottle as per the specification?
4. Is the company logo properly printed as per the design specification?
5. Verify if the dimensions (length, breadth, and other size specifications) of the Water Bottle as per mentioned in the requirement.
6. Size and shape should be confirmable means easy to handle.
7. Verify the body of the Water Bottle- whether it should be metallic, plastic, or any other material as per the specification.
8. Verify the weight of the Water Bottle.
9. Verify if the Water Bottle's material must not be brittle (easily damaged).
10. Transparency of the material of the bottle is also important so that we can see that the water is clean.
11. Verify if the bottle is with a sipper or without a sipper.

3. Usability Testing:

1. Verify whether the Water Bottle has enough space for water(as specified).
2. Verify the Water Bottle must open and close effortlessly.
3. Verify that the Water bottle can be handled easily.
4. Verify the usability of the Water Bottle as an office Water Bottle, or a normal household Water Bottle.
5. Verify the condition when washed with water or the effect of water on the Water Bottle.
6. Verify the Water Bottle is easy to carry anywhere.

4. Functional Testing:

1. Verify the Water bottle's condition when pouring liquid at a very high temperature.
2. Verify the Water bottle's condition when pouring liquid at a very low temperature.
3. Verify the Water bottle's condition on pouring liquid at normal temperature.
4. Verify that the Water bottle doesn't leak when liquid is stored in it.
5. Verify what happens when we fill it full and keep it in the refrigerator until it makes ice. Check what happens. Is bottle crash?

5. Non Functional Testing:

1. Test whether the object (a Water Bottle in this case) looks like a Water Bottle (obviously there must be some expected result by which you can Verify and say --yes this is a Water Bottle )
2. Test Whether the Water Bottle can be gripped easily (the Water Bottle body must not be too thick or too thin)
3. The look and feel must be good.
4. Verify that it’s plastic can be recycled or not.
5. Check the Quality of Plastic in grades 1 to 5(5 is the best)

6. Performance Testing:

1. Put a high amount of pressure on the Water Bottle for a particular amount of time.
2. Under the most harmful environmental conditions associated with raw materials that create its form (plastic etc.) and materials that hold it together.
3. Pay particular attention to put stress on points on the Water Bottle.
4. Verify that the Water Bottle continues to perform its function(storing water)

7. Compatibility Testing:

1. Test by putting on distinct types of surfaces like floor, glass, wood, and Grass.
2. Verify if the Water Bottle is properly working in all environments if it is mentioned in the requirement specifications.

Negative Test Cases:

1. Verify Water Bottle stress testing by dropping the Water Bottle down from a practical height and Verify that nothing is breaking, no damage to the Water Bottle, and the Water Bottle is performed without any issues.
2. Verify how the Water Bottle is working at different climate environmental conditions like at room temperature, and different climate conditions.
3. Verify the balance of the Water Bottle on different surfaces.