**Test Case of a Water Bottle:**

1. **Capacity Test:** Verify that the water bottle has the specified capacity (e.g, 500ml, 1 liter). Fill it to the brim with water and measure the volume accurately.
2. **Leak Test:** Fill the bottle to the maximum level, close the cap tightly, and place it upside down. Ensure that there are no leaks.
3. **Material Test:** Confirm that the bottle is made of the intended material (e.g, plastic, stainless steel, glass). Perform a material analysis if necessary.
4. **Weight Test:** Weight the empty bottle and compare it to the specified weight, if available.
5. **Dimension Test**: Measure the bottle’s height, width, and diameter to ensure they match the product specifications.
6. **Cap Tightness Test**: Verify that the bottle cap screws on securely and doesn’t come loose easily.
7. **Appearance Inspection**: Examine the bottle for any scratches, dents, or imperfections in the surface.