

Test Case of Water Bottle:

Requirements:

- What is the material of a water bottle? Is it a bottle made of glass, plastic, rubber, metal, disposable material, or other material?
- Is there any alternate purpose for the water bottle, is it meant only to hold water? Or can we use it with other fluids like tea, coffee, soft drinks, hot chocolate, soups, wine, cooking oil, vinegar, gasoline, acids, etc.?
- Who are the target users of this water bottle? A school-going kid, a housewife, some beverage manufacturing company, an office-goer, a sportsman, or an astronaut in a spaceship?

Functional Test Cases for Water Bottle

- Check the shape and size of the water bottle as per requirement.
- Check whether the user can easily pour the water inside the bottle.
- Check the type of bottle - with a lid or without a lid.
- Check whether the bottle is designed with a sipper or without a sipper.
- Check whether the water bottle can hold water as per the volume specified in the requirements.
- Check whether the user can drink water from the bottle.
- Check whether the caps fit with the bottle or not.
- Check whether the water bottle stays stable on a flat surface.
- Check whether the water bottle can sustain the temperature of the water if it's a thermal water bottle.
- Check whether the water bottle is durable for a long time.

User Interface Test Cases for Water Bottle

- Check whether the color of the water bottle matches the specifications.
- Check whether the brand name is seen on the water bottle.
- Check whether the brand logo is visible on the water bottle.
- Check whether the dimensions of the bottle are as per the specifications.
- Check whether the weight of the bottle is as per the specifications.
- Check whether the material of the water bottle is Plastic, steel, etc. as expected.
- Check whether the water bottle lid fits the bottle.

- Check whether the mouth of the bottle is as per specifications.
- Check whether the bottle is disposable or reusable.
- Check whether the expiry date is mentioned or not.
- Check whether the water bottle is lightweight to carry.
- Check whether the water bottle is dishwasher safe.
- Check whether the designs get scratched off or faded over time
- Check whether the water bottle is resistant to rust or mold if it's a stainless-steel bottle.
- Check whether the water bottle is easy to clean.

Usability Test Cases for Water Bottle

- Check whether the water bottle doesn't leak when tilted or placed upside down.
- Check whether the lid of the bottle is firmly tightened with a bottle.
- Check whether the bottle's material is brittle.
- Check whether the expiry date is mentioned in the bottle or not.
- Check whether the user can hold the water bottle comfortably.
- Check whether there is any chemical change in the water after keeping it in the bottle, and check whether the bottle is safe to be consumed as drinking water.
- Check whether the bottle is made up of material, which is recyclable.
- Check whether the bottle is easily crushable if it's made of plastic.
- Check whether the bottle can also be used to hold other common household things like honey, fruit, juice, fuel, paint, turpentine, liquid wax, etc.
- Check whether the bottle contains a nozzle cleaner if the bottle has a sipper in it.
- Check whether the nozzle cleaner cleans the sipper nozzle.
- Check whether the bottle is ergonomically designed and if it is comfortable to hold.
- Check whether the bottle doesn't topple, both when empty and full, the center of gravity should stay low.
- Check whether the bottle cap can be closed with thread or directly fixed into the bottle.
- Check whether the water bottle is easy to carry anywhere.
- Check whether the water bottle is safe for children (glass bottles are not safe for children).