**Test cases for a water bottle:**

- Examine the water bottle for visual defects check if there is visible cracks, leaks, or deformities.

- Open and close the bottle cap multiple times Cap securely seals without signs of resistance or malfunction.

-Fill the bottle to capacity and tilt/turn it if there is any leaks during tilting or turning.

- Drop the filled bottle from a height of 3 feet onto a hard surface check if there any cracks or visible damage, cap remains secure.

- Apply gentle pressure to the sides of the filled bottle to check if it maintains shape and if there any leakage.

- Fill the bottle with water and freeze for 24 hours check if there is any cracks or damage during freezing.

- Check the cap functions properly or not after freezing.

- Fill the bottle with hot water within recommended limits check if the bottle withstands hot water without warping or damage.

- Inspect the material of the bottle check if the material is free from contaminants or defects affecting water quality.

- Hold the water bottle in hand to check if the bottle should have a comfortable grip, and it should not slip easily from the hand.