

# **Possible Test Cases for a Pen**

## **1. Appearance & Build**

- Verify the pen has no cracks or damage on its body.
- Verify the pen cap fits properly.
- Verify the pen clip is attached firmly.
- Verify the pen is comfortable to hold (ergonomic design).
- Verify branding/labeling is clearly visible (if applicable).

## **2. Ink & Writing Functionality**

- Verify the pen writes smoothly on paper.
- Verify the ink color matches the label (e.g., blue pen actually writes blue).
- Verify ink does not smudge immediately after writing.
- Verify the pen can write continuously without skipping for a minimum distance (e.g., 1 page).
- Verify the pen works after being left uncapped for a few minutes.
- Verify ink doesn't leak when kept in a pocket.

## **3. Durability**

- Verify the pen body doesn't break under normal pressure.
- Verify the pen still works after being dropped from desk height.
- Verify the clip doesn't break after repeated use.
- Verify the cap doesn't loosen after multiple open/close cycles.

## **4. Capacity & Performance**

- Verify how many pages a single pen can write before ink runs out.
- Verify the pen doesn't dry out before its expected life.  
Verify writing thickness (0.5mm, 0.7mm, etc.) matches specifications.

## **5. Edge / Negative Cases**

- Try writing on different surfaces (paper, cardboard, plastic) – verify it works only where expected.
- Verify ink doesn't spread if exposed to water (water resistance test).
- Verify pen doesn't stain fingers when writing.
- Verify the pen works in different temperatures (too hot/too cold).