Flutter Web Automation Selector Cheat Sheet (Katalon)

# Selector Decision Formula

✅ 1. Use aria-label if present (most stable)  
✅ 2. If no aria-label, fall back to input/button types or flt-semantics  
✅ 3. Prefer XPath when text/aria-label is only inside flt-semantics  
❌ Avoid flt-semantic-node-XX IDs — unstable after rebuilds

# Selector Reference Table

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| Flutter Widget | HTML Element | Recommended Selector |
| TextField | <input> | input[aria-label="Student Name"] |
| ElevatedButton | <flt-semantics role="button"> | //flt-semantics[@role="button" and contains(text(), "Add")] |
| Checkbox | <input type="checkbox"> | input[type="checkbox"] |
| ListTile/Card | <flt-semantics role="group"> | //flt-semantics[contains(@aria-label, "Name")] |
| IconButton | <flt-semantics role="button"> | //flt-semantics[@role="button" and contains(text(), "Edit")] |