



- a feature that enables the identification of a specific User Interface element through its address and attributes.
- These are stored as XML fragments.
- Made up of nodes. Each node is made up of:
  - Tags
    - Correspond to a visual element on the screen
    - Nodes in the selector XML fragment
  - Attributes
    - Key value pair that help identify an element

<webctrl parentid='slide-list-container' tag='A' aaname='Details' class='btn-dwnl' />



- functionality in UiPath Studio that allows you to analyze and edit selector
- used whenever the selectors that were automatically generated are not stable or reliable enough
- Parts:
  - Visual (UI) Tree
    - Find UI elements in open apps
  - Selector Editor/UI Hierarchy
    - View the nodes being selected
  - Edit Attributes
    - Attributes of nodes utilized to identify it

# **UI** Frameworks

- Changes the way selecting an element is approached
- Default
  - Works fine with all types of user interfaces
- Active Accessibility
  - For legacy applications if the default framework doesn't work
- UI Automation
  - For newer applications when the default method doesn't work

# Types of Selectors

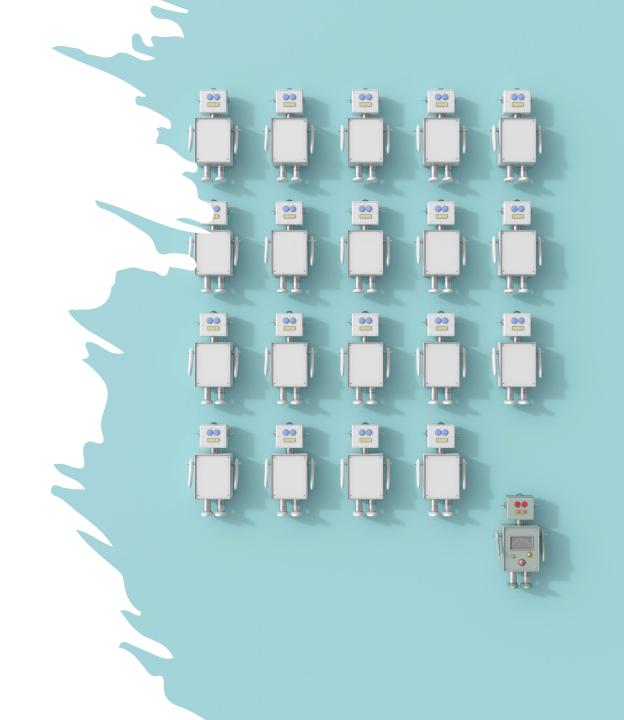
Full Selectors vs Partial Selectors

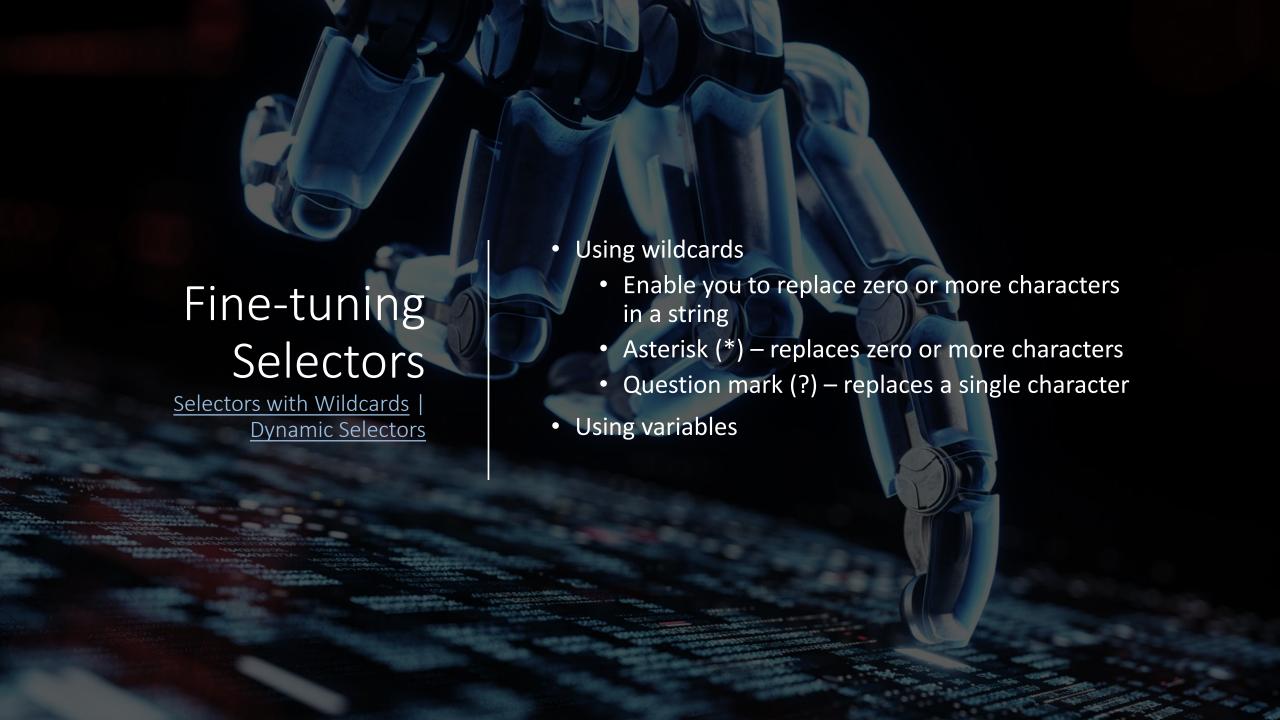
## Full Selectors

- Contain all the tags and attributes needed to identify an element
- Best suited when the actions performed require switching between multiple windows
- Similar to an absolute file path

# Partial Selectors

- Doesn't contain the tags and attributes of the top-level window
- Must be in a container
- Best for performing multiple actions in the same window
- Similar to a relative file path





# When fine tuning isn't enough

Find Children | Anchor Base

### Anchor Base

 Find the element based on its relationship with an easily identifiable element (i.e and easier target. Pun intended)

## Relative Selector

 incorporate the information about the anchor's selector in the selector of the target UI element

# Visual Tree Hierarchy

 The hierarchy in the Visual Tree can improve the reliability of a selector by including the tags and attributes of the element that is above in the hierarchy

### Find Children

 identify all the children of an element that is more stable.

