**XPath Cheatsheet for Selenium**

| **Expression** | **Example** | **Description** |
| --- | --- | --- |
| //tagname | //input | Finds all <input> elements |
| //tag[@attr='value'] | //input[@id='txtUsername'] | Finds input with specific attribute |
| //tag[@a1='v1' and @a2='v2'] | //input[@type='text' and @name='username'] | Multiple attribute match |
| //tag[@a1='v1' or @a2='v2'] | //input[@id='username' or @name='user'] | Either attribute match |
| //tag[contains(@attr,'val')] | //input[contains(@id,'user')] | Partial attribute match |
| //tag[starts-with(@attr,'val')] | //input[starts-with(@name,'user')] | Attribute starts with value |
| //tag[text()='value'] | //button[text()='Login'] | Match exact text |
| //tag[contains(text(),'val')] | //p[contains(text(),'Welcome')] | Partial text match |
| (//tag[@attr='value'])[index] | (//input[@type='text'])[1] | Select by index |
| //parent/child | //div[@id='login']/input | Direct child selection |
| //ancestor::tag | //div[@id='login']//descendant::input | Ancestor/Descendant relation |
| //tag/following::tag | //label[text()='Username']/following::input | Finds following elements |
| //tag/following-sibling::tag | //label[text()='Password']/following-sibling::input | Finds sibling element |
| //\*[@attr='value'] | //\*[@id='username'] | Wildcard for any tag |
| (//tag)[last()] | (//input[@type='text'])[last()] | Finds last element |
| normalize-space(text()) | //button[normalize-space(text())='Login'] | Ignores spaces around text |