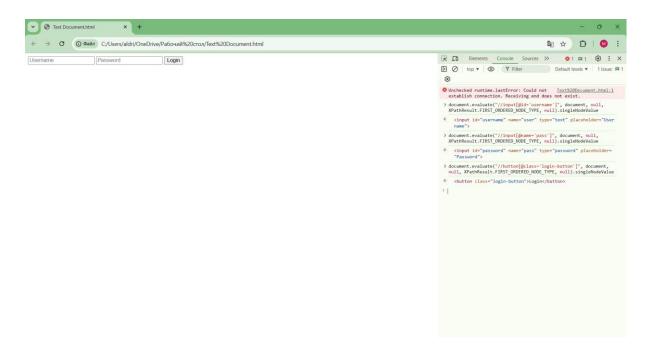
XPath / CSS

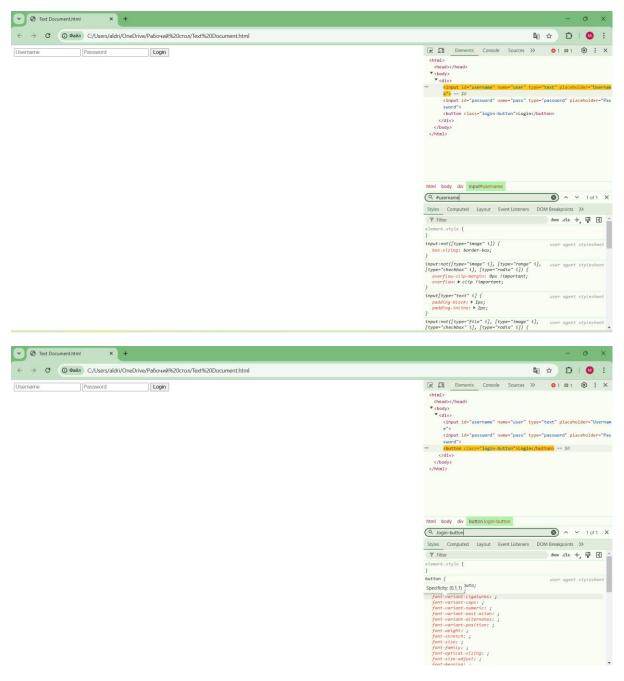
Task 1: Locating Elements by Basic Attributes:

XPath:

- 1. //input[@id='username']
- 2. //input[@name='pass']
- 3. //button[@class='login-button']

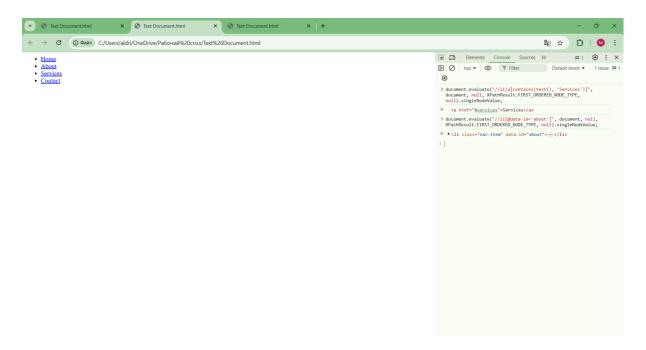


CSS Selectors: 1. #username 2. [name='pass'] 3. .login-button

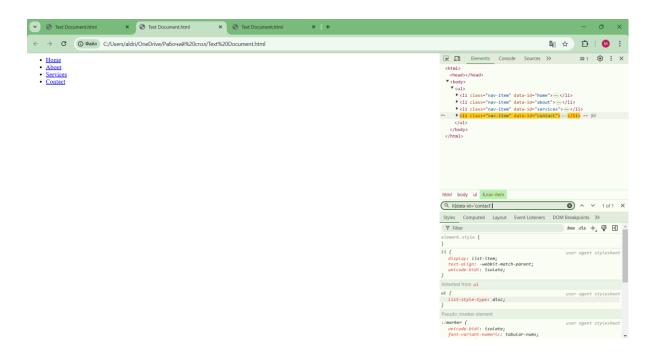


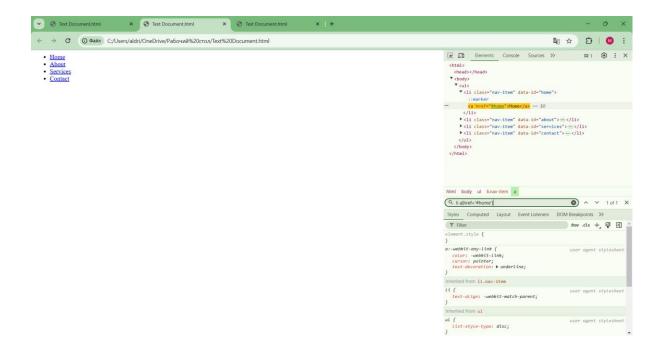
Task 2: Handling Dynamic Elements:

- 1. //li[@data-id='about']
- 2. //li/a[contains(text(), 'Services')]



CSS Selectors: 1. li[data-id='contact'] 2. li a[href='#home']





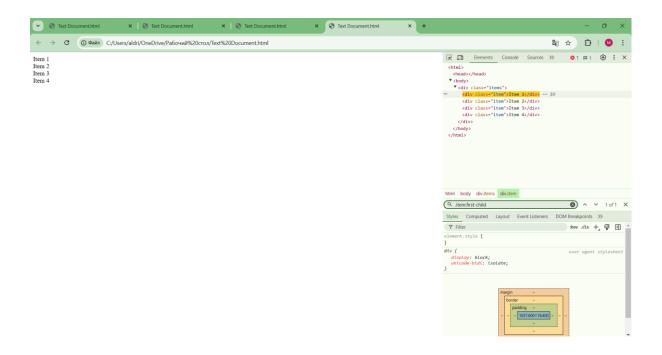
Task 3: Using XPath Axes to Navigate the DOM:

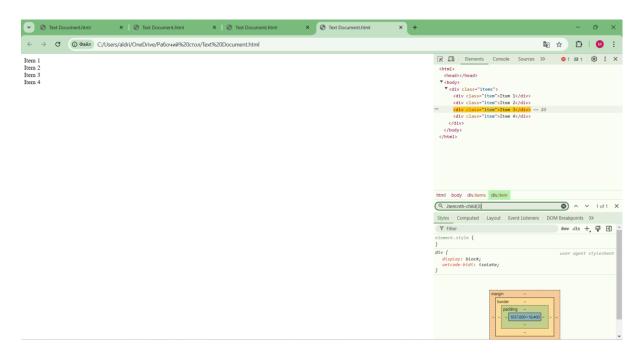
- 1. //label[@for='email']
- 2. //label[@for='email']/following-sibling::input
- 3. //input[@id='password']/following::button



Task 4: Writing CSS Selectors with Pseudo-Classes:

CSS Selectors: 1. .item:first-child 2. .item:last-child 3. .item:nth-child(3)

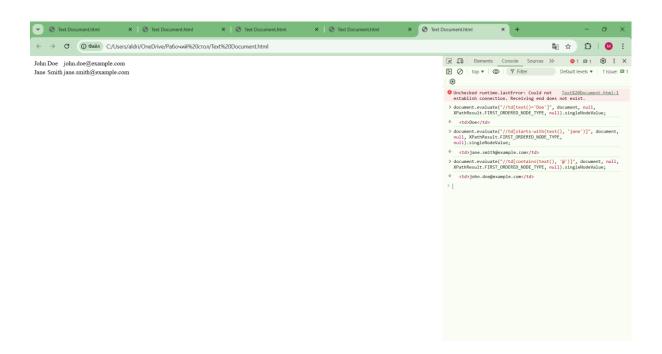




Task 5: Using XPath with Wildcards and Functions:

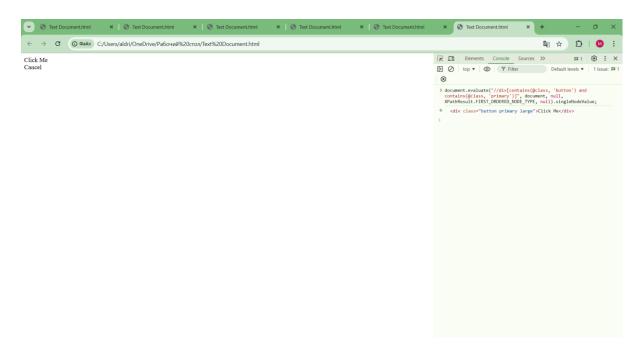
- 1. //td[text()='Doe']
- 2. //td[starts-with(text(), 'jane')]

3. //td[contains(text(), '@')]

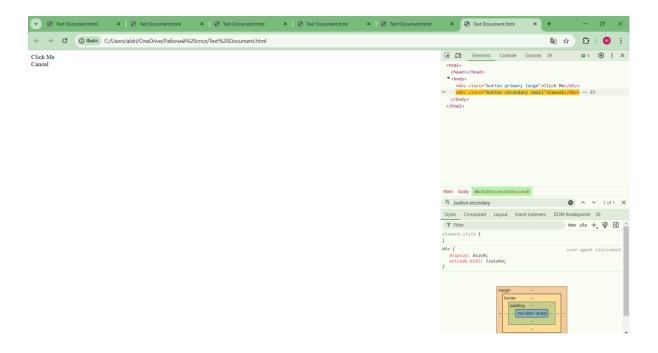


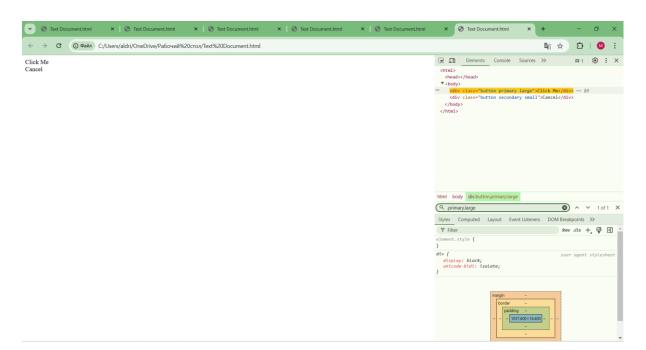
Task 6: Handling Elements with Multiple Classes:

XPath: //div[contains(@class, 'button') and contains(@class, 'primary')]



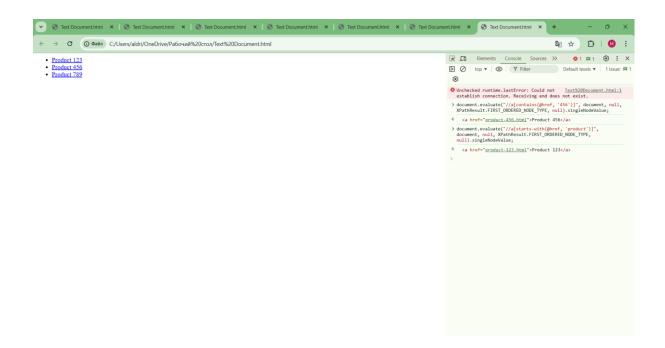
CSS Selectors: 1. .button.secondary 2. .primary.large



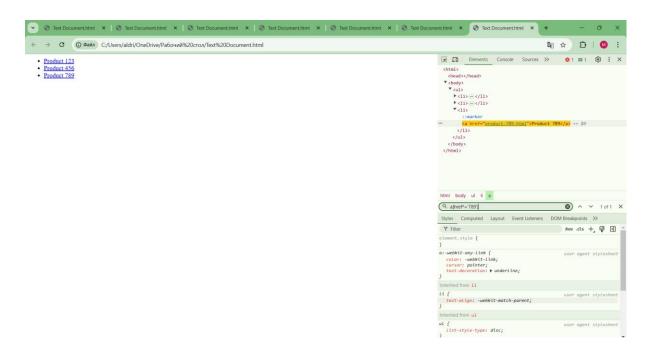


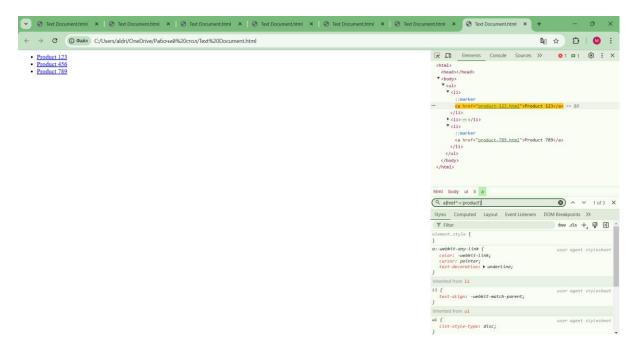
Task 7: Locating Elements Using Contains and Starts-With:

- 1. //a[contains(@href, '456')]
- 2. //a[starts-with(@href, 'product')]



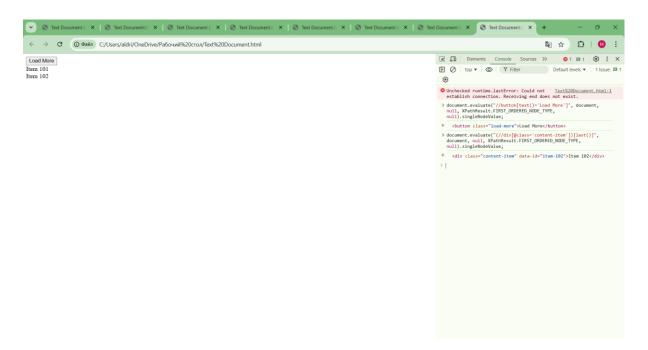
CSS Selectors: 1. a[href*='789'] 2. a[href^='product']



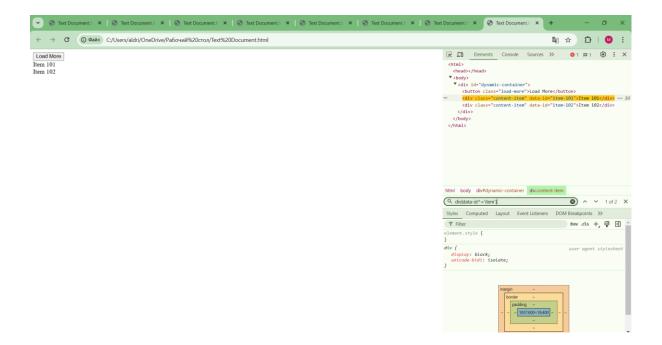


Task 8: Dynamic Element Handling in Automation Scripts:

- 1. //button[text()='Load More']
- 2. (//div[@class='content-item'])[last()]



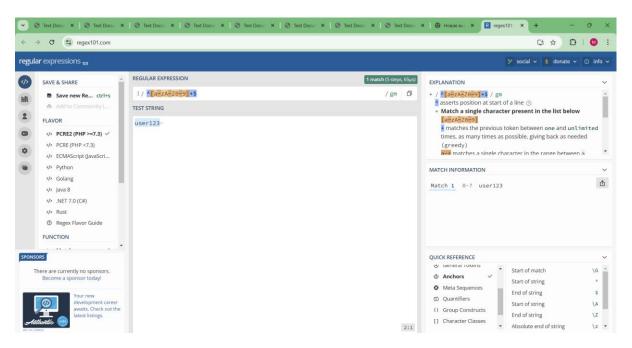
CSS Selectors: div[data-id^='item']



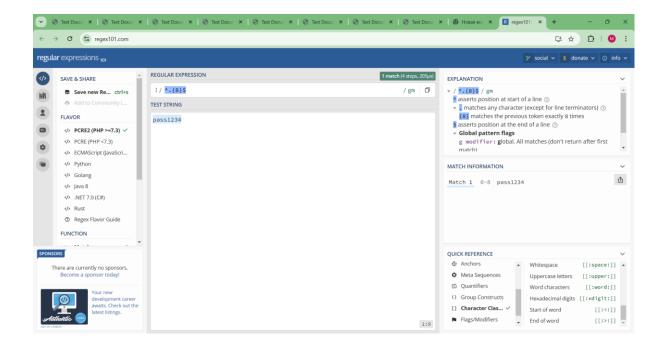
RegEx

Task 1: Basic RegEx Pattern Matching (Required):

1. /^[a-zA-Z0-9]+\$/gm

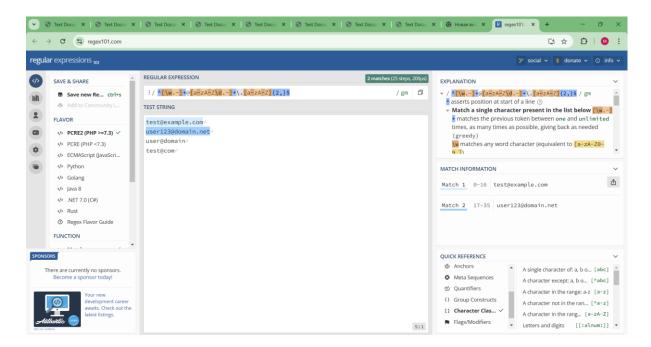


2. /^.{8}\$/gm



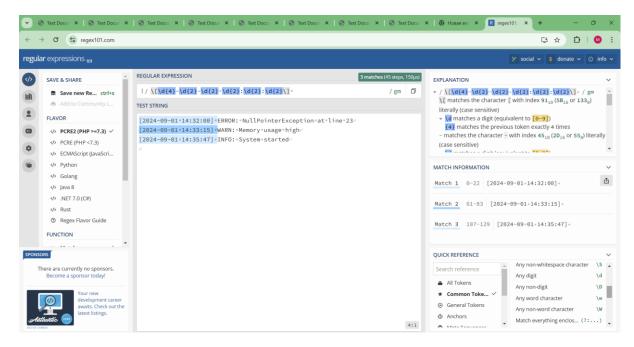
Task 2: Matching Email Addresses (Required):

/^[\w.-]+@[a-zA-Z\d.-]+\.[a-zA-Z]{2,}\$/gm



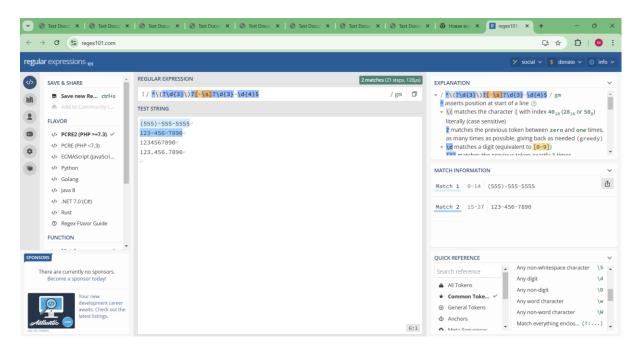
Task 3: Extracting Data from Log Files (Required):

 $\ /[\d{4}-\d{2}-\d{2} \d{2}:\d{2}:\d{2}) \ /gm$



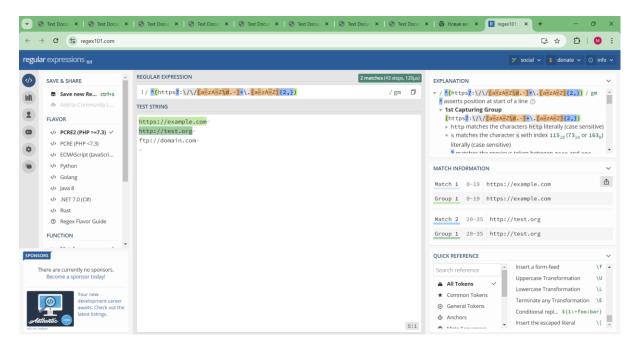
Task 4: Validating Phone Numbers (Required):

/^\(?\d{3}\)?[-\s]?\d{3}-\d{4}\$/gm

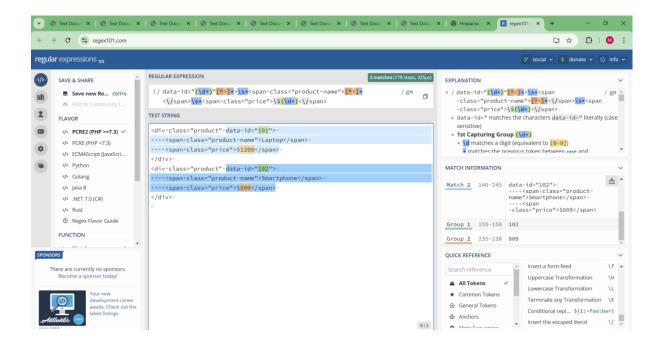


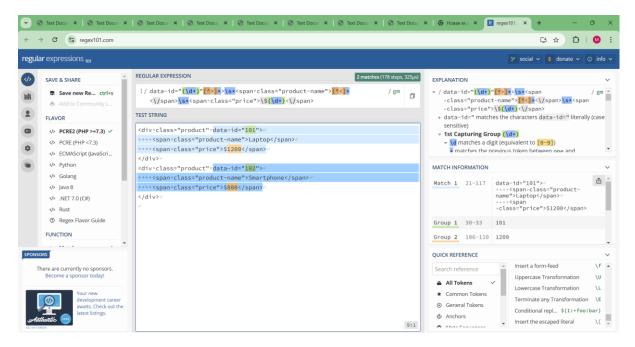
Task 5: Parsing URLs (Required):

/^(https?:\/\/[a-zA-Z\d.-]+\.[a-zA-Z]{2,})/gm



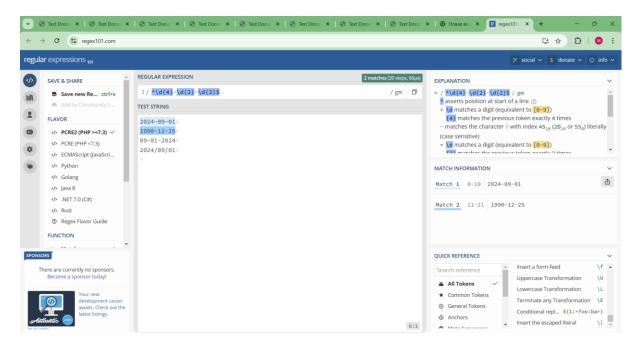
Task 6: Extracting Dynamic Data from HTML Content (Required):





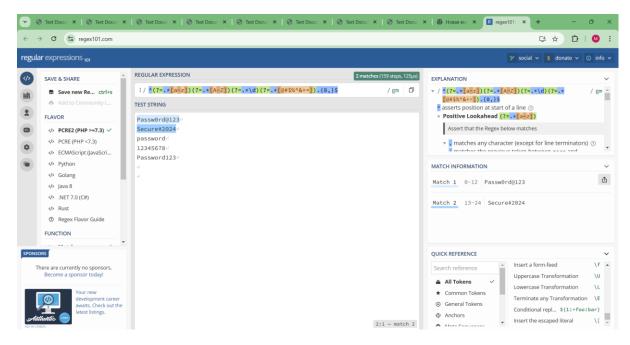
Task 7: Validating Dates (Required):

/^\d{4}-\d{2}-\d{2}\$/gm



Task 8: Validating Complex Passwords (Optional):

/^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@#\$%^&+=]).{8,}\$/gm



Task 9: Splitting a String with RegEx (Optional):

/[;,]\s*/gm

