=> Selenium IDE(Record and Playback Tool) Inbox page should Open the browser Naviagte to the website get displayed Enter the valid username Dont require coding skills, Enter the valid password and want to reduce Click on Login manual work Selenium WebDriver Chrome Driver login page Software Selenium WebDriver Chrome Multiple progg lan login page Chrome chrome driver Selenium Firefox WebDriv gecko driver I.E ie driver Error message should 1) Open the Browser be displayed Navigate to Facebook website 3) Enter a invalid email 4) Enter a invalid password 5) Click on Login In selenium WebDriver, there is a built in class ==> ChromeDriver ==> Launch the chrome browse / open ChromeDriver driver = new ChromeDriver(); Selenium WebDriver is available in the form of JAR file(contains so many built classes, interfaces, methods, .....). Anything that we see on the website, in selenium we call it as WebElement apart from text. Locators => Helps to identify various webelements present in a website. 1) id locator 2) name locator 3) class locator 4) linktext locator ==> only on the links 5) partiallink text ==> only on the links 6) CSS Selector We can use css selector in multiple ways. 1) tag name and id ==> tagname#id 2) tag name and classname ==> tagname.class 3) tag name and attribute ==> id = "email", name = "e,ail" tagname[attrname = attrvalue] 4) tagname, attribute and id tagname#id[attrname = attrvalue] 5) tagname, attribute and class tagname.class[attrname = attrvalue] 6) starts with(^) tagname[attrname^ = attrvalue] input[name^ = "email"] 7) starts with(\$) tagname[attrname\$ = attrvalue] input[name\$ = "email"] Xpath => If we are unable to identify a webelement using any of the aboe Icoators, then we can identify using XPATH. Xpath is a path that is written by looking at the HTML tree structure <meta name="viewport" content="width=device-width, initial-scale=1.0"> input[1] FirstName ntml/body/input[1] Enter FirstName:<input type="text"> Enter LastName:<input type="text"> /html/body/input[1] ==> Absolute Xpath(from root element(html)) //input[1] ==> Relative Xpath(from the HTML tag closer to the WebElement) div[3] i[1] //div[1]/input[1] 1) Xpath with Absolute 2) Xpath with Relative 3) Xpath with text() method => If we have a text on a webpage we can identify using text(). Thread.sleep() makes the selenium to wait, but internally some time would get wasted if elements is found early. to overcome this problem we can use implicit wait, Implicit Wait is the wait given to all the web elements that selenium would wait until element is found. input[role='searchbutton'] 1) Xpath with Absolute 2) Xpath with Relative 3) Xpath with text() method => If we have a text on a webpage we can identify using text(). //tagname[text() = '----'] 4) Xpath with tagname and attirbute //tagname[@attrname=attrvalue] (//input[@role='searchbox'])[1] text() will identify the text but if faily to identify if the text has any space in starting or ending. contains() this will identify text regardless tghere is space before or after the string //tagname[contains(text(), "----")] Explicit wait => It is a wait that is applied to a aprticular web element. We can implement explicit wait using a class WebDriverWait. Fluent Wait ==> Old one before Expkcit Wait came 99% same as Explciit Wait In FluentWait we having polling duration 50 seconds of explicit wait 50 seconds of fluent wait, polling => 2sec How to handle dropdown's in selenium:-1) Drop down with options from the beginning 2) Autosuggestive Dropdown text(), inplicitWait() NOTE: If we want to handle non suggestive dropdowbns, then we need to use a class in selenium SELECT class. close() will close all the parent tabs, quit() will close all the tabs i.e entire browser Go to amazon website count how many links are available? findElement() findElements() 1) targets only 1) targets multiple elemenys oen element 2) return type is 2) return type is List<WebElement> WebElement 3) This gives 3) If element is not found, NoSuchElement it doesnt give any exception if exception element is not found3 Click 2 parent child

input[2]

LastName

<!DOCTYPE html> <html lang="en">

<meta charset="UTF-8">

<title>Document</title>

<head>

</head> <body>

</html>

Selenium

1) It is a automation tool use to test

=> Selenium GRID(execute the test cases in mutiple

web applications(browser) 2) In selenium we have 4 types => Selenium RC(Deprecated) OLDEST => Selenium WebDriver(LATEST ==> THIS)