import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class caw\_studio\_assignment {

public static void main(String[] args) {

String data = "[{\"name\" : \"Bob\", \"age\" : 20, \"gender\": \"male\"}, {\"name\": \"George\", \"age\" : 42, \"gender\": \"male\"}, {\"name\":\r\n"

+ "\"Sara\", \"age\" : 42, \"gender\": \"female\"}, {\"name\": \"Conor\", \"age\" : 40, \"gender\": \"male\"}, {\"name\":\r\n"

+ "\"Jennifer\", \"age\" : 42, \"gender\": \"female\"}]";

WebDriverManager.firefoxdriver().setup();

FirefoxDriver driver = new FirefoxDriver();

driver.get("https://testpages.herokuapp.com/styled/tag/dynamic-table.html");

driver.manage().window().maximize();

driver.findElement(By.xpath("//summary[normalize-space()='Table Data']")).click();

driver.findElement(By.xpath("//textarea[@id='jsondata']")).clear();

driver.findElement(By.xpath("//textarea[@id='jsondata']")).sendKeys(data);

System.out.println("data insterted");

driver.findElement(By.xpath("//button[@id='refreshtable']")).click();

List<WebElement> tableRows = driver.findElements(By.xpath("//table[@id='table1']/tbody/tr"));

boolean match = true;

for (WebElement row : tableRows) {

String rowData = row.getText();

if (!data.contains(rowData)) {

match = false;

break;

}

}

if (match) {

System.out.println("Data in table matches the entered data!");

} else {

System.out.println("Data in table does not match the entered data.");

}

}

}