

CSE338: LAB 4

GitHub link:

Screenshot of failed test (education radio buttons)

The screenshot displays the IntelliJ IDEA IDE with a Selenium test project. The `testForm.java` file is open, showing the `testForm` class. The `educationRadioBtnTest` method is highlighted, showing the following code:

```
WebElement hs = driver.findElement(By.id("radio-button-1"));
WebElement college = driver.findElement(By.id("radio-button-2"));
WebElement grad = driver.findElement(By.id("radio-button-3"));

hs.click();
college.click();
assertTrue(college.isSelected());
assertFalse(hs.isSelected());
assertFalse(grad.isSelected());
}
```

The Run tab at the bottom shows the testForm test suite with 7 tests, 1 failed (educationRadioBtnTest) and 6 passed. The error message for the failed test is:

```
java.lang.AssertionError: <4 internal lines>
    at testForm.educationRadioBtnTest(testForm.java:122) <29 internal lines>
```

Screenshot of filled form

The screenshot displays a Selenium IDE test case on the left and a web browser on the right. The Selenium IDE test case is for a file named `testForm.java` and contains a function `fillFormAndSubmit` that interacts with a web form. The browser shows the form at `formy-project.herokuapp.com/form`, which is titled "Complete Web Form". The form fields are filled with the following data:

- First name:** Salma
- Last name:** Hamed
- Job title:** Solutions Architect
- Highest level of education:** High School (selected)
- Sex:** Male (selected)

The Selenium IDE test case code is as follows:

```
// function to fill the form and submit it
public void fillFormAndSubmit(WebElement element) {
    WebElement f = element.findElement(By.id("first-name"));
    f.sendKeys(fname);
    WebElement l = element.findElement(By.id("last-name"));
    l.sendKeys(lname);
    WebElement j = element.findElement(By.id("job-title"));
    j.sendKeys(job);

    String rb = "radio-button-" + edu_option;
    WebElement e = element.findElement(By.id(rb));
    e.click();

    WebElement btn = driver.findElement(By.id("submit"));
    btn.click();
    assertEquals(driver.getCurrentUrl(), "http://localhost:3000/success");
}
```

The browser's developer console shows the following variables:

- `this`: (testForm@4110)
- `element`: (RemoteWebElement@4100) "[[ChromeDriver: chrome on Windows]]"
- `fname`: "Salma"
- `lname`: "Hamed"
- `job`: "Solutions Architect"
- `edu_option`: "1"
- `f`: (RemoteWebElement@4105) "[[ChromeDriver: chrome on Windows]]"
- `l`: (RemoteWebElement@4106) "[[ChromeDriver: chrome on Windows]]"
- `j`: (RemoteWebElement@4107) "[[ChromeDriver: chrome on Windows]]"
- `rb`: "radio-button-1"
- `e`: (RemoteWebElement@4109) "[[ChromeDriver: chrome on Windows]]"