

Name: Divya Mahur

Roll No: 18BCE106

Date: 10-11-2021

Subject: STQA

Title: Regression Testing with Watir

Output:

```
Administrator: Command Prompt - irb
C:\WINDOWS\system32\irb
irb(main):001:0> require 'watir'
=> true
irb(main):002:0> b = Watir::Browser.new :chrome

DevTools listening on ws://127.0.0.1:59048/devtools/brower/0847959b-3f32-4e60-9582-4e5061162aa5
[7960:27684:1110/120050.104:ERROR:device_event_log_impl.cc(214)] [12:00:50.104] USB: usb_device_handle_win.cc:1048 Failed to read descriptor from node connection: A dev
ice attached to the system is not functioning. (0x1F)
[7960:28380:1110/120050.105:ERROR:chrome_browser_main_extra_parts_metrics.cc(230)] crbug.com/1216328: Checking Bluetooth availability started. Please report if there is
no report that this ends.
[7960:28380:1110/120105.960:ERROR:chrome_browser_main_extra_parts_metrics.cc(233)] crbug.com/1216328: Checking Bluetooth availability ended.
[7960:28380:1110/120105.961:ERROR:chrome_browser_main_extra_parts_metrics.cc(236)] crbug.com/1216328: Checking default browser status started. Please report if there is
no report that this ends.
=> #<Watir::Browser:0x452f2e9c url="data:," title="">
[7960:28380:1110/120108.180:ERROR:chrome_browser_main_extra_parts_metrics.cc(240)] crbug.com/1216328: Checking default browser status ended.
irb(main):003:0> b.goto('file:///H:/sem_7/STQA/sample.html')
=> "file:///H:/sem_7/STQA/sample.html"
irb(main):004:0> t2 = b.radio values: 'female'
=> #<Watir::Radio: located: false; {:value=>"female", :tag_name=>"input", :type=>"radio"}>
irb(main):005:0> t3 = b.checkbox value: 'Train'
=> #<Watir::CheckBox: located: false; {:value=>"Train", :tag_name=>"input", :type=>"checkbox"}>
irb(main):006:0> t4 = b.checkbox value: 'Air'
=> #<Watir::CheckBox: located: false; {:value=>"Air", :tag_name=>"input", :type=>"checkbox"}>
irb(main):007:0> t2.exists?
=> true
irb(main):008:0> t3.exists?
=> true
irb(main):009:0> t4.exists?
=> true
irb(main):010:0> t2.set
=> nil
irb(main):011:0> t3.set
=> nil
irb(main):012:0> t4.set
=> nil
irb(main):013:0> t = b.text_field id: 'firstname'
=> #<Watir::TextField: located: false; {:id=>"firstname", :tag_name=>"input"}>
irb(main):014:0> t.exists?
=> true
irb(main):015:0> t.set 'Prince Mehta'
=> nil
irb(main):016:0> t.value
=> "Prince Mehta"
irb(main):017:0> t.fire_event('onchange')
=> true
```

Testing UI using Watir

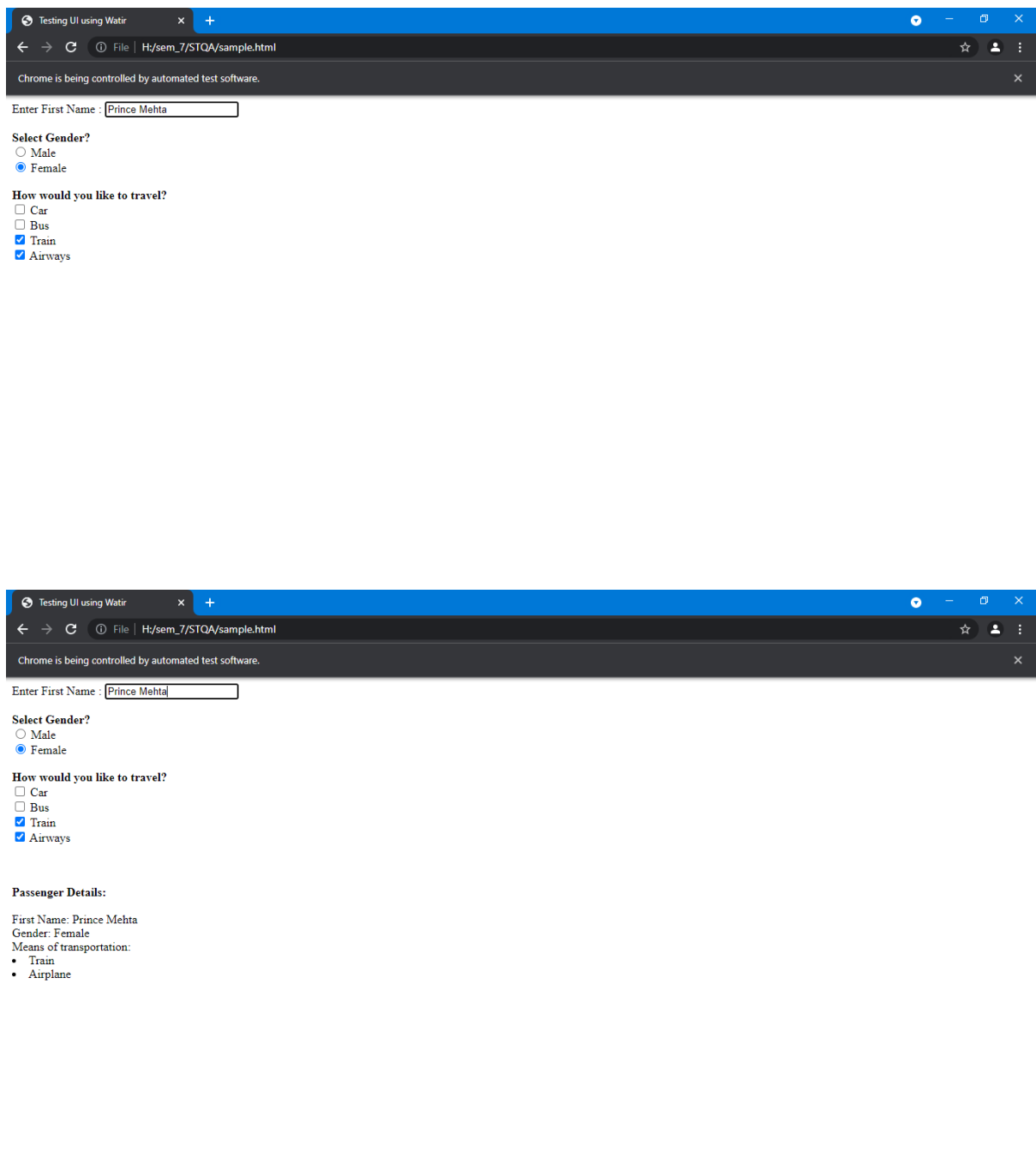
File | H:/sem\_7/STQA/sample.html

Chrome is being controlled by automated test software.

Enter First Name :

Select Gender?  
☐ Male  
☐ Female

How would you like to travel?  
☐ Car  
☐ Bus  
☐ Train  
☐ Airways



Code:

```
<html>
  <head>
    <title>Testing UI using Watir</title>
  </head>
  <body>
    <script type="text/javascript">
      function wsentered()
      {
        console.log("inside wsentered");
        var firstname = document.getElementById("firstname");
        var gender = "";
```

```

var vehicle = "";
var vehicle1 = "";
var vehicle2 = "";
var vehicle3 = "";
var sentence = "";
if (document.getElementById("gender_male").checked)
{
    gender = "Male";
}
else if(document.getElementById("gender_female").checked)
{
    gender = "Female";
}
if (document.getElementById("trans_car").checked)
{
    vehicle = "Car";
}
if(document.getElementById("trans_bus").checked)
{
    vehicle1 = "Bus";
}
if(document.getElementById("trans_train").checked)
{
    vehicle2 = "Train";
}
if(document.getElementById("trans_air").checked)
{
    vehicle3 = "Airplane";
}
if (firstname.value != "")
{
    sentence = "<b>Passenger Details:</b><br><br>First Name: " + firstname.value + "
<br>Gender: " + gender + "<br> Means of transportation:<br>";
    if(vehicle != "")
        sentence = sentence + "<li>" + vehicle + "</li>";
    if(vehicle1 != "")
        sentence = sentence + "<li>" + vehicle1 + "</li>";
    if(vehicle2 != "")
        sentence = sentence + "<li>" + vehicle2 + "</li>";
    if(vehicle3 != "")
        sentence = sentence + "<li>" + vehicle3 + "</li>";
    document.getElementById("displayfirstname").innerHTML = sentence;
    document.getElementById("displayfirstname").style.display = "";
}
}
</script>
<div id="divfirstname">
    Enter First Name : <input type="text" id="firstname" name="firstname"
onchange="wsentered()" /><br><br>
    <b>Select Gender?</b><br>
    <input type="radio" name="gender" value="male" id="gender_male"> Male<br>

```

```
<input type="radio" name="gender" value="female" id="gender_female"> Female<br><br>
<b>How would you like to travel?</b><br>
<input type="checkbox" name="option1" value="Car" id="trans_car"> Car<br>
<input type="checkbox" name="option2" value="Bus" id="trans_bus"> Bus<br>
<input type="checkbox" name="option3" value="Train" id="trans_train"> Train<br>
<input type="checkbox" name="option4" value="Air" id="trans_air"> Airways<br><br>
</div>
<br>
<br>
<div style="display:none;" id="displayfirstname">
</div>
</body>
</html>
```

```
require 'watir'
b = Watir::Browser.new :chrome
b.goto('file:///H:/sem_7/STQA/sample.html')
t2 = b.radio value: 'female'
t3 = b.checkbox value: 'Train'
t4 = b.checkbox value: 'Air'
t2.exists?
t3.exists?
t4.exists?
t2.set
t3.set
t4.set
t = b.text_field id: 'firstname'
t.exists?
t.set 'Prince Mehta'
t.value
t.fire_event('onchange')
```