

Practical 9
Software Testing and Quality Assurance
2CSDE80

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20BCE515



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AIM : Regression Testing with Watir.

HTML 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>

```

Script Code :

```

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')

```

Output:

```
Administrator: Command Prompt - kb
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/browser/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 device attached to the system is not functioning. (0x1F)
[7960:28380:1110/120050.195: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:///C:/www/2/STQA/sample.html')
=> #<Watir::Page:0x452f2e9c title="Sample HTML">
irb(main):004:0> t2 = b.radio value: '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 Murtuza'
=> nil
irb(main):016:0> t.value
=> "Prince Murtuza"
irb(main):017:0> t.fire_event('onchange')
=> true
```

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

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

Passenger Details:

First Name: Prince

Gender: Female

Means of transportation:

- Train
- Airplane

END