Using IRB to Drive Internet Explorer

```
D:\rubyclass>irb                                              Start irb.
irb(main):001:0> load 'iec.rb'                                Load the file "iec.rb".
=> true
irb(main):002:0> start_ie("http://localhost:8080")            Start Internet Explorer.
=> #<CLabs::IEC::ClIEController:0x2b0cf70 @ie=#<WIN32OLE:0x2b0cf10>>   Internet Explorer appears.
irb(main):003:0> show_forms                                   See what forms are on the page.
action: login                                                 There is one form: login.
=> nil
irb(main):004:0> login_form = get_forms[0]                    Store the form in a variable.
=> #<CLabs::IEC::IEDomFormWrapper:0x2b03d78
@form=#<WIN32OLE:0x2b03d90>>
irb(main):005:0> show_elements(login_form)                    What is the name of the text field?
name: name value:                                             Its name is "name."
=> nil
irb(main):006:0> login_form.name = "brian"                    Enter a new user's name in it.
=> nil
irb(main):007:0> login_form.submit                            Submit the form: like hitting return.
=> nil                                                        A new page asks for a background job.
irb(main):008:0> show_forms                                   Show the forms.
action: job                                                   One form, with an action of "job."
=> nil
irb(main):009:0> job_form = get_forms[0]                       Assign to a variable.
=> #<CLabs::IEC::IEDomFormWrapper:0x2af2c78
@form=#<WIN32OLE:0x2af2c90>>
irb(main):010:0> show_elements(job_form)                       Look at the controls.
name: session value: 24199864                                 What's this? It's a hidden control.
name: name value:                                             The text field.
name: background value: true                                  The check box.
=> nil
irb(main):011:0> job_form.name = "misc"                        Set the name of the background job.
=> nil
irb(main):012:0> job_form.submit                               Submit the form.
=> nil                                                        The main timeclock page appears.
```

(continued)

```irb(main):013:0> show_forms```
```action: start_day```
```action: start```
```action: job```
```action: start```
```=> nil```
```irb(main):014:0> start_form = get_form_by_action("start")```
```=> #<CLabs::IEC::IEDomFormWrapper:0x2adae40```
```@form=#<WIN32OLE:0x2adaea0>>```
```irb(main):015:0> show_elements(start_form)```
```name: session value: 24199864```
```name: name value: misc```
```=> nil```
```irb(main):016:0> get_element_by_value(start_form,"misc").click```
```=> nil```
```irb(main):017:0> show_forms```
```action: pause_or_stop_day```
```action: start```
```action: job```
```action: refresh```
```action: pause_or_stop_job```
```action: start```
```=> nil```
```irb(main):018:0> refresh_form = get_form_by_action("refresh")```
```=> #<CLabs::IEC::IEDomFormWrapper:0x2acd448```
```@form=#<WIN32OLE:0x2acd4a8>>```
```irb(main):019:0> show_elements(refresh_form)```
```name: session value: 24199864```
```name: refresh value: Refresh```
```=> nil```
```irb(main):020:0> refresh_form.elements("refresh").click```
```=> nil```
	Show the forms.
	
	Two forms have the same action. Hmm.
	
	Use the first "start" form.
	
	What is the name of the "misc" button?
	
	Name is "name"; value is "misc".
	We'll use the value.
	Click on the button.
	
	Some new forms have appeared.
	
	The "refresh" form.
	
	What is the button name?
	
	This time, we'll use the name.
	
	Click it.