



**Customized Vidgets - Timer**

```
class Timer
  def self.gen_html(option)
    timer_jsrb = '''
    $$[:setInterval].call( -> {
      var_set("timer",Time.now.to_s)
      trigger_on_change("timer")
    },1000)
    '''

    RenderWrap.before_jsrb("timer.javascript",timer_jsrb)

    widget_id = OpalBinding.binding(option[:binding],nil,self)
    "<span id='#{widget_id}'></span>"
  end

  def self.update_change
    "inner_html="
  end

  def self.fetch_change
    "inner_html"
  end

  def self.change_event
    ""
  end
end

def timer(option)
  Timer.gen_html(option)
end
```

```
RenderWrap.load(Task.load("#{task.name}::Timer"))
RenderWrap.load(Task.load("#{task.name}::timer"))
```

```
RenderWrap.html =
```

```
...
```

```
<h4>Timer</h4>
```

```
Current Time: <%= timer binding: :timer %><br/>
```

```
counter: <%= text binding: :counter %>
```

```
<%= var :counter, 1 %>
```

```
<%= on_change :timer, %(
  :counter = :counter + 1
  mark_dirty("counter")
)%>
```

```
...>
```

```
...
```

# Timer

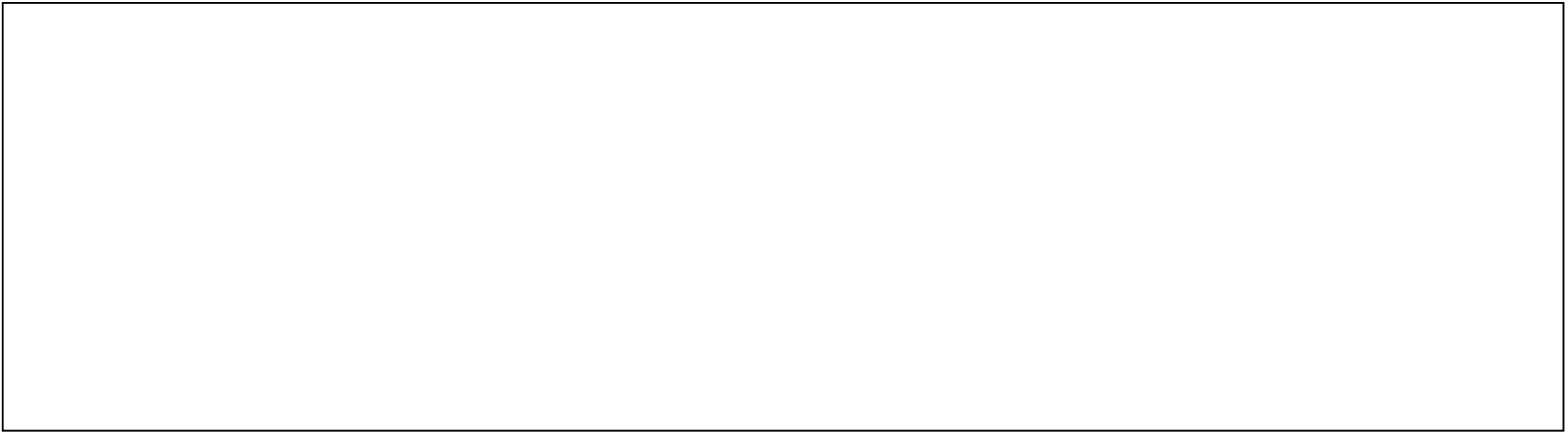
Current Time:  
counter: 1

# Timer

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counter: 1

Timer

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counter: <%= text binding: :counter %>
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Timer

Current Time:  
counter: 1

# Case Study