

# SCXML

- *Couldn't you have created a conventional wiki page?* - Oh, we have a [HomePage](#) too, just for you.
- *Will Commons SCXML engine be able to execute this state machine?* - You'll have to try that, but as a project we sure hope to.
- *I've got a question, can you answer it?* - Take a look at the [FrequentlyAskedQuestions](#).

```
<?xml version="1.0"?>

<scxml xmlns="http://www.w3.org/2005/07/SCXML" version="1.0" initialstate="ProjectProposal">

  <state id="ProjectProposal">
    <transition event="feedback.received">
      <target next="Setup"/>
    </transition>

    <onexit>
      <log expr="Commons-SCXML is born!"/>
    </onexit>
  </state>

  <state id="Setup">
    <initial>
      <transition>
        <target next="Wiki" />
      </transition>
    </initial>

    <state id="Wiki">
      <onentry>
        <log expr="Add a FrequentlyAskedQuestions page!"/>
      </onentry>

      <transition event="wiki.created">
        <target next="ProjectRepository"/>
      </transition>
    </state>

    <state id="ProjectRepository">
      <transition event="initial.checkin.done">
        <target next="Work"/>
      </transition>
    </state>

    <state id="Work">
      <parallel>
        <onentry>
          <log expr="Post ReleasePlan!"/>
        </onentry>

        <state id="code">
          <transition event="code.written" cond=" ${code.features eq 'sufficient'}">
            <target next="Vote" />
          </transition>
        </state>

        <state id="trackbugs">
          <transition event="ticket.received">
            <log expr="Resolve bugzilla ticket number ${ticket.number}!"/>
          </transition>
        </state>

        <state id="attendemails">
          <transition event="discussion.started">
            <log expr="Participate in ${discussion.title} discussion!"/>
          </transition>
        </state>

        <onexit>
          <if cond=" ${bugzilla.opentickets gt 0}">
            <log expr="Fix bugzilla tickets!"/>
          </if>

          <log expr="Post ReleaseCandidate!"/>
        </onexit>
      </parallel>
    </state>
  </state>
</scxml>
```

```
<state id="Vote">
<transition event="vote.pass">
<var name="version" expr="{previous.version + 0.1}"/>

<target next="Release"/>
</transition>

<transition event="vote.fail">
<log expr="Try harder!"/>

<target next="Work"/>
</transition>
</state>

<state id="Release">
<transition event="release.cut">
<target next="Work"/>
</transition>

<onexit>
<log expr="Announce Release!"/>
</onexit>
</state>

</scxml>
```