

The SC Language (SCL)

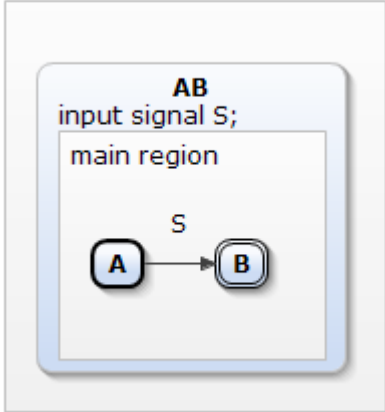
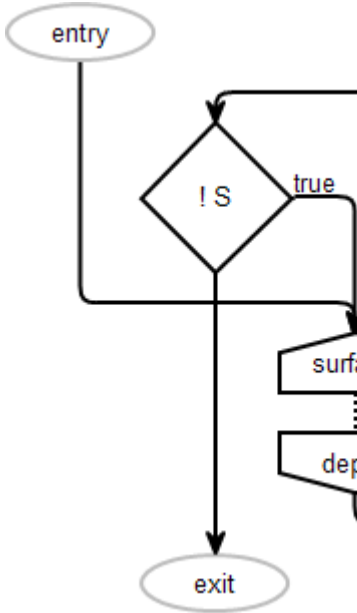
Project Overview

Responsible:

- Christian Motika
- Steven Smyth

SCL - SC Language

SCL is a minimal language adopted from C, Java and Esterel and can be interpreted as *Sequentially Constructive Language*. It is used to describe *SC Charts* in textual form. Its graphical representation is called *SC Graph (SCG)*.

AB SCChart	AB SCL Program	AB SC Graph
 <p>The diagram shows a rectangular frame labeled "AB" containing "input signal S;" and "main region". Inside the main region, there are two rounded rectangular boxes labeled "A" and "B". An arrow labeled "S" points from box "A" to box "B".</p>	<pre>module AB input signal S; { // main region // begin of state A __A : pause; if !S then goto __A end // begin of state B }</pre>	 <p>The graph starts at an oval node labeled "entry". An arrow points down to a diamond-shaped decision node labeled "!S". From the top of the diamond, an arrow loops back to the entry node, labeled "true". From the bottom of the diamond, an arrow points down to an oval node labeled "exit". To the right of the exit path, there is a trapezoidal shape with a dashed line and a solid line, labeled "surfi" and "dep".</p>