Scala.js integration with Leon to improve counterexample presentation in the web interface

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Abstract

Although a main feature of Leon is to provide counterexamples to invalid programs, it can remain difficult when provided with a counterexample to understand how the input breaks the program. We propose to integrate Scala.js with Leon and implement ideas from Bret Victor's essay on "Learnable Programming"[1] to improve experience for users when presented with a counterexample.

1 Foobar

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[1] See http://worrydream.com/#!/LearnableProgramming