Still untitled [Draft]

Michael McGirr

Oregon State University

Graduate School of Electrical Engineering and Computer Science

2016 January

Abstract

This paper presents a type system that implements an ownership-style set of rules for resource management. While it may seem at the onset to be unnecessary to define a system of rules governing resource management in Haskell, this specific module targets the IORef and State Monad. We will show some cases where this set of rules is necessary.

This ownership system introduces a set of rules that govern how and when a resource is available to be used and by whom.