Implementation of Haskell-like Records for Curry

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Haskell's record syntax provides a flexible way to construct data structures together with labelled fields to directly access their components. Applying these record fields simplifies selection and update operations on data structures significantly.

Curry is a functional logic language with a syntax very similar to Haskell. It combines functional features like lazy evaluation and higher-order functions with characteristics of logic languages like non-deterministic computations and logical variables.

Until lately the Curry compilers KiCS2 and PAKCS supported their own kind of record syntax. In this talk we will discuss the flaws of this record syntax and demonstrate the implementation of Haskell's record syntax by adapting the common front end of the two Curry compilers.