

BlazeHtml

A blazingly fast HTML combinator library

Goals

Solve the HTML generation problem
once and for all

- Efficiency
- Guarantee well-formedness
- Support XML/XHTML/...
- Composability
- Light-weight syntax

Design

Actual (X)HTML combinators on
top of the typeclass

Typeclass providing core
combinators

Typeclass instances providing
raw output formats

An Example

```
-- Monad interface is NOT required... BUT convenient ;-)  
myHtml :: (Html h) => h  
myHtml = runHtmlMonad $ do  
    h1 "BlazeHtml" ! A.class_ "fancy-header"  
    img "logo.png" "BlazeHtml logo"  
  
    H.div ! [A.id "intro", A.class_ "fancy"] $ do  
        text "A blazingly fast HTML combinator library."  
        text "Based on a Builder Monoid."  
        em $ text "BlazeHtml also supports a monad interface."
```

Implementation

```
{-# SPECIALIZE myHtml :: HtmlText #-}
```

- Builder Monoid for efficient append of Data.Text
- Fuse with encoding (e.g. encodeUtf8)

Outlook

- RFC will follow on haskell-cafe
- Follow planet-haskell for comparisons and benchmarks

For the curious:

<http://github.com/jaspervdj/BlazeHtml>

Questions?