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

```haskell
-- Monad interface is NOT required... BUT convenient ;-)
myHtml :: (Html h) => h
myHtml = runHtmlMonad $ do
    let section t = h1 ! A.class_ "fancy-header" $ text t

    section "BlazeHtml -- Introduction"
    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."

    section "BlazeHtml -- Problem"
    text "..."
```

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?