Hello Elm!

"a delightful language for reliable webapps"

- >> a language
- >> compiles to JS
- >> has its own package ecosystem
- >> focused on building browser apps

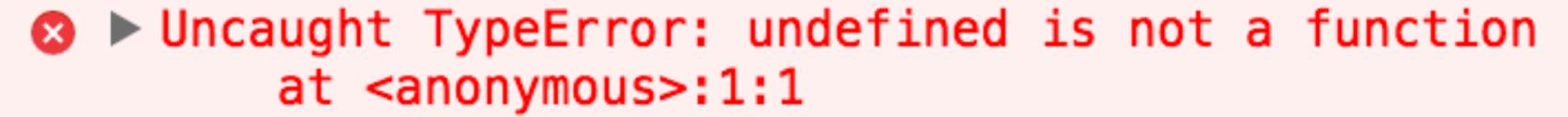
```
// JavaScript
function incrementAll(numbers) {
    return numbers.map(num => num + 1);
}
```

```
-- Elm
incrementAll numbers =
    List.map (\num -> num + 1) numbers
```

```
incrementAll : List number -> List number
incrementAll numbers =
   List.map (\num -> num + 1) numbers
```

- >> functional
- >> statically typed
- » in the ML family (Haskell, OCaml, Purescript)

Why Elm?





(Almost) no runtime exceptions!

Detected errors in 1 module.

```
-- TYPE MISMATCH ----- Main.elm
`user` is being used in an unexpected way.
35 { user | emaill = "alice@example.com" }
Based on its definition, `user` has this type:
   { email : ..., name : ... }
But you are trying to use it as:
   { b | emaill : ... }
Hint: The record fields do not match up. Maybe you made one of these typos?
   email <-> emaill
```

Astonishingly helpful error messages





That should be an inspiration for every error message.



Gregory Schier @GregorySchier

Thanks @elmlang for the most useful error message I've ever seen

RETWEETS

LIKES

418

502















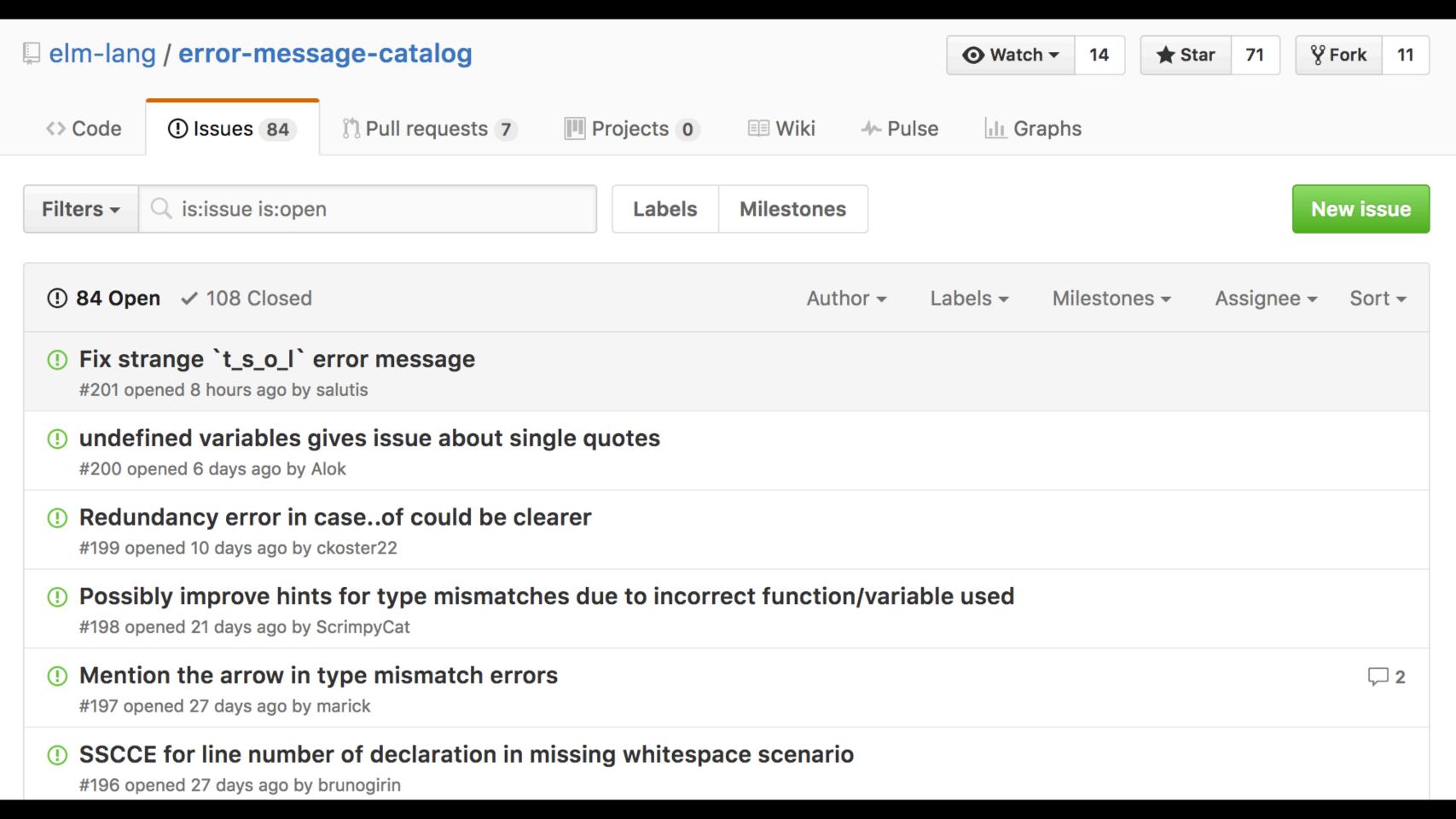
3:55 PM - 24 May 2016











Fearless refactoring

Type-enforced semantic versioning

Easy to embed inside your existing JS app

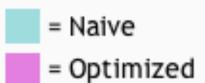
npm i react-elm-components

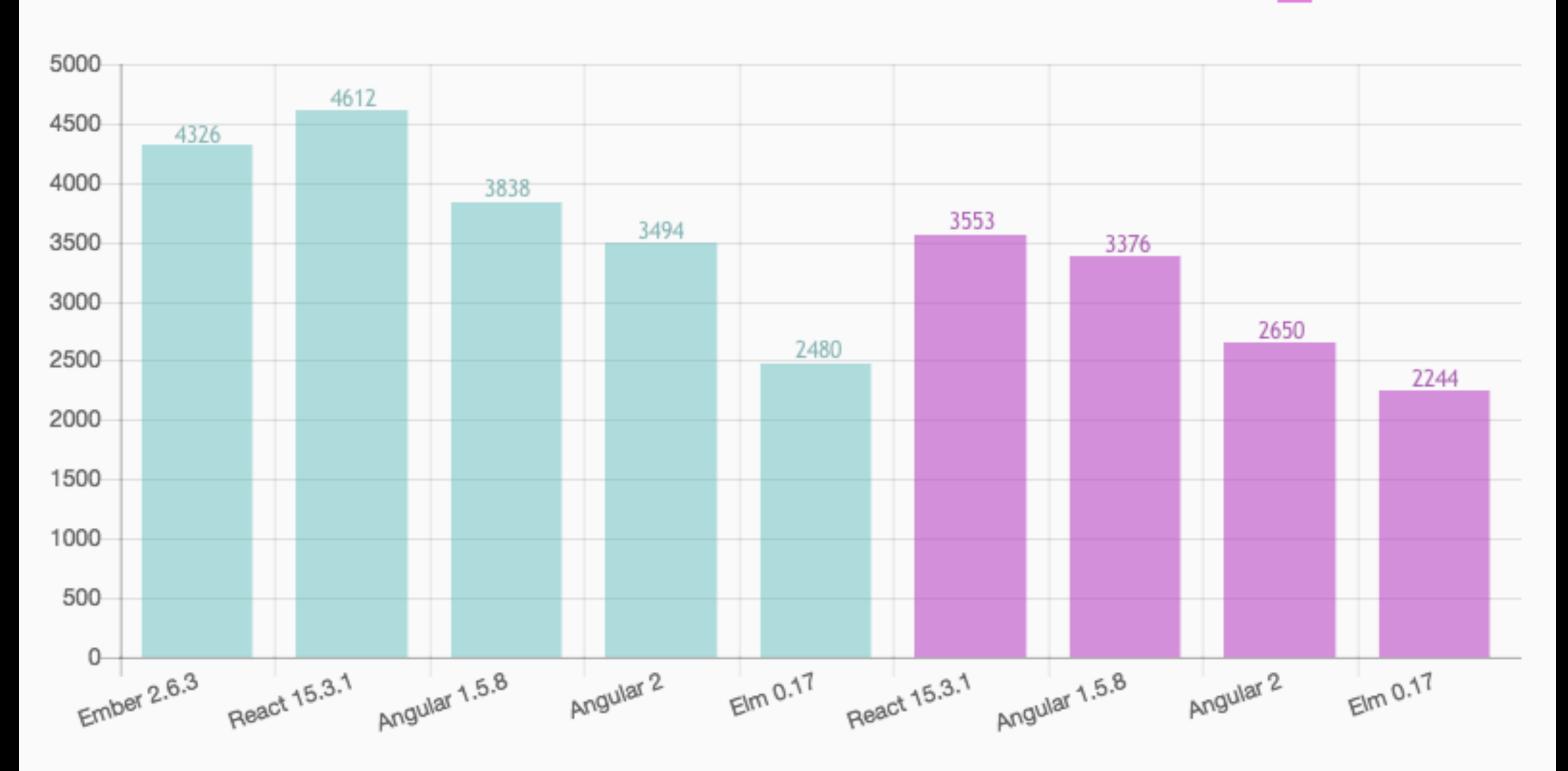
Really fast HTML

Speed in Milliseconds

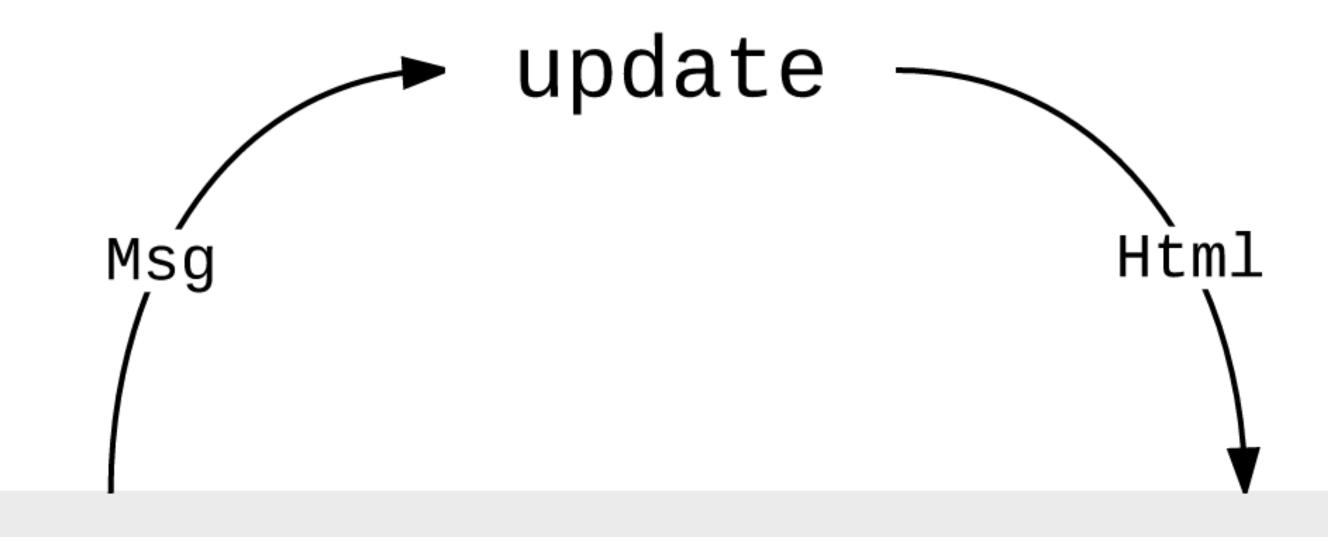
Shorter bars are Better

Chrome 52 on OSX





One really nice way of building apps



Elm Runtime

It's fun!

Thanks!

*/jamesmacaulay

www.meetup.com/Elm-Toronto

Thursday, February 9th @ Dundas Video

- >> elm-lang.org
- >> guide.elm-lang.org
- >> www.manning.com/books/elm-in-action
- >> pragmaticstudio.com/elm