

A scenic landscape featuring a variety of green trees in the foreground, a calm body of water in the middle ground, and a cluster of yellow-leaved trees in the background under a clear blue sky.

Adventures in Elm

YOW! Australia, December 2016

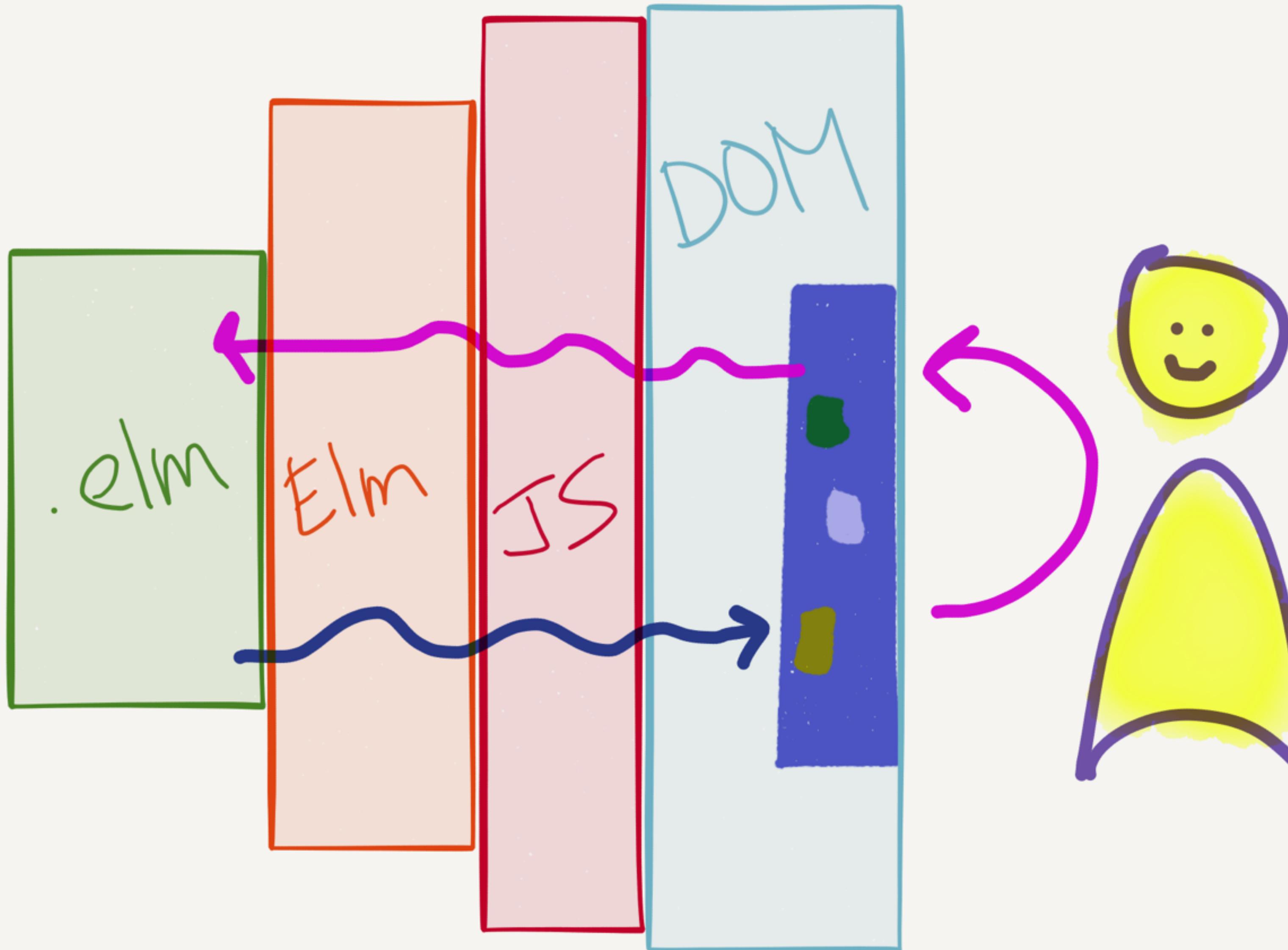


question your principles

The background of the image is a vibrant, abstract painting. It features large, expressive brushstrokes in various colors: yellow, green, blue, and red. The yellow and green strokes are concentrated in the upper half, while blue and red are more prominent in the lower half. The overall texture is rough and layered, with visible brushwork and varying opacities.

@jessitron

stripe

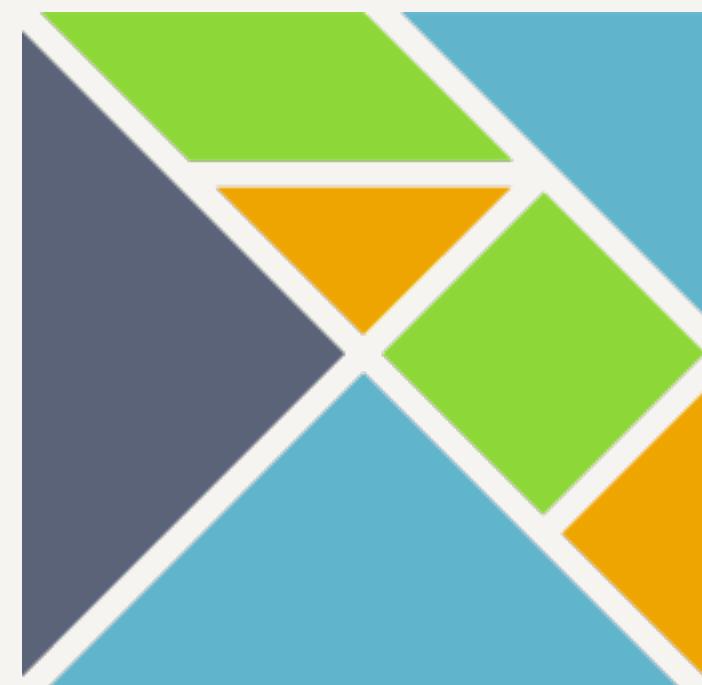


Single-threaded
Imperative

Asynchronous
Event-driven

JS

Elm



undefined is not a function

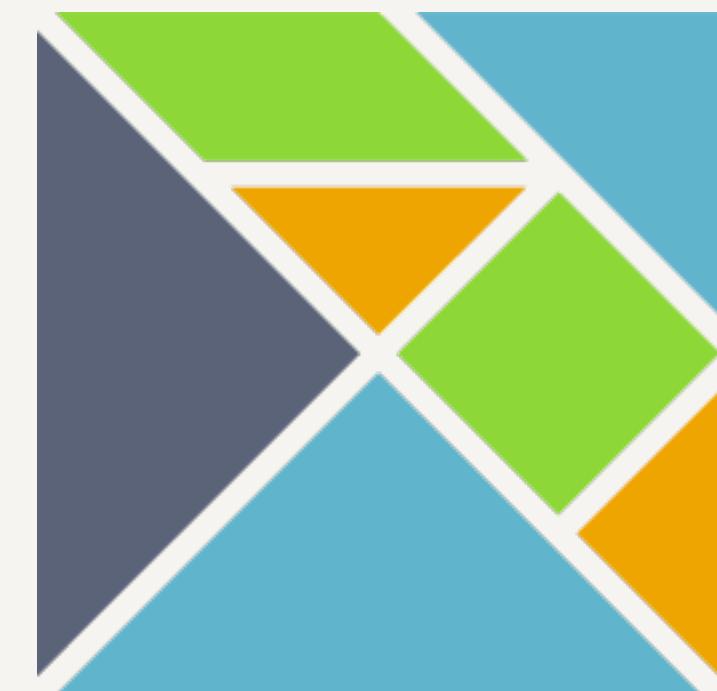


Runtime
errors

Compile
time
errors

JS

Elm



```
hello : String
hello = "Hello World"

words : List String
words = ["Hello", "World"]

main : Html Never
main = Html.text "Hello World"
```

```
text : String -> Html msg
```

```
text string = ...
```

```
style : List (String, String) -> Html.Attribute msg  
style pairs = ...
```

```
type alias Model =  
{  
    url : String  
}
```

```
model : Model  
model =  
{  
    url = "cat.gif"  
}
```

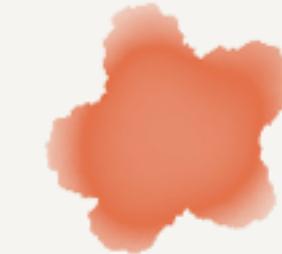
```
type Msg =  
    Noop  
    | ButtonPushed  
    | GotInput String
```

```
input : Msg  
input = GotInput "type this"
```

```
type Msg =  
    Noop  
  | ButtonPushed  
  | GotInput String
```

```
update : Msg -> Model -> Model  
update msg model =  
    case msg of  
        Noop ->  
            model  
        GotInput s ->  
            { model | url = s }
```

Ease
of reading



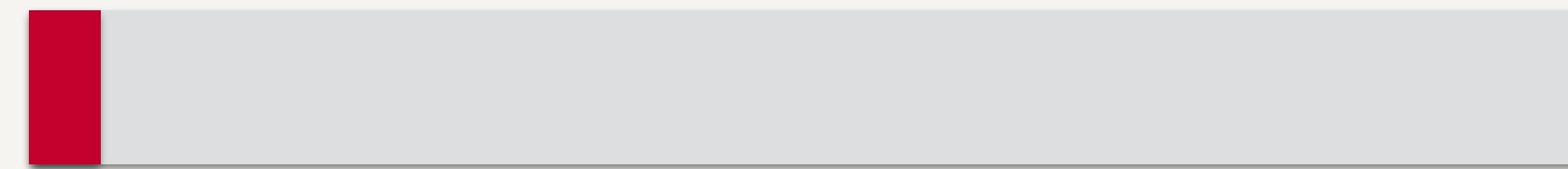
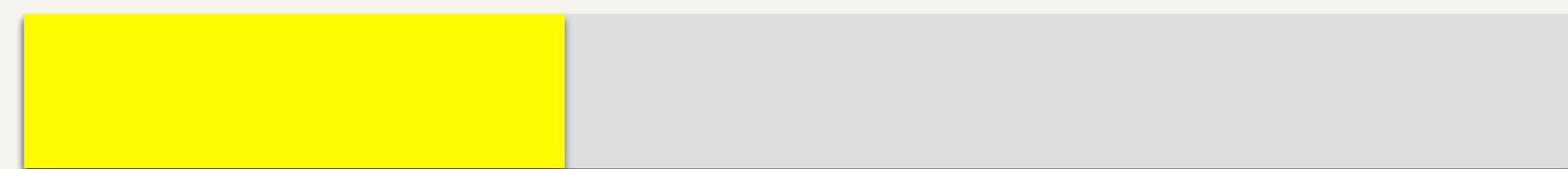
Elm

by maintainers

Ease
of writing

Ruby

magic!



elm in the browser

package management

test tools

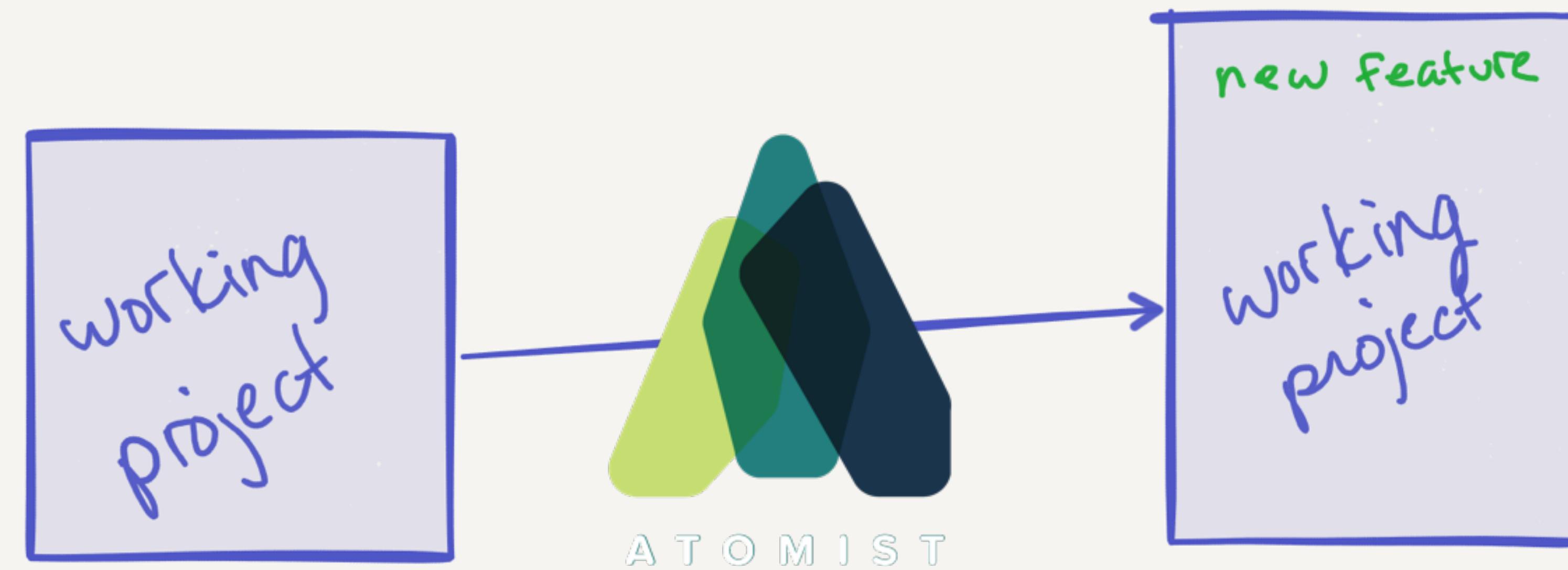
libraries

build

guide.elm-lang.org/

jessitron.github.io/yow-brisbane

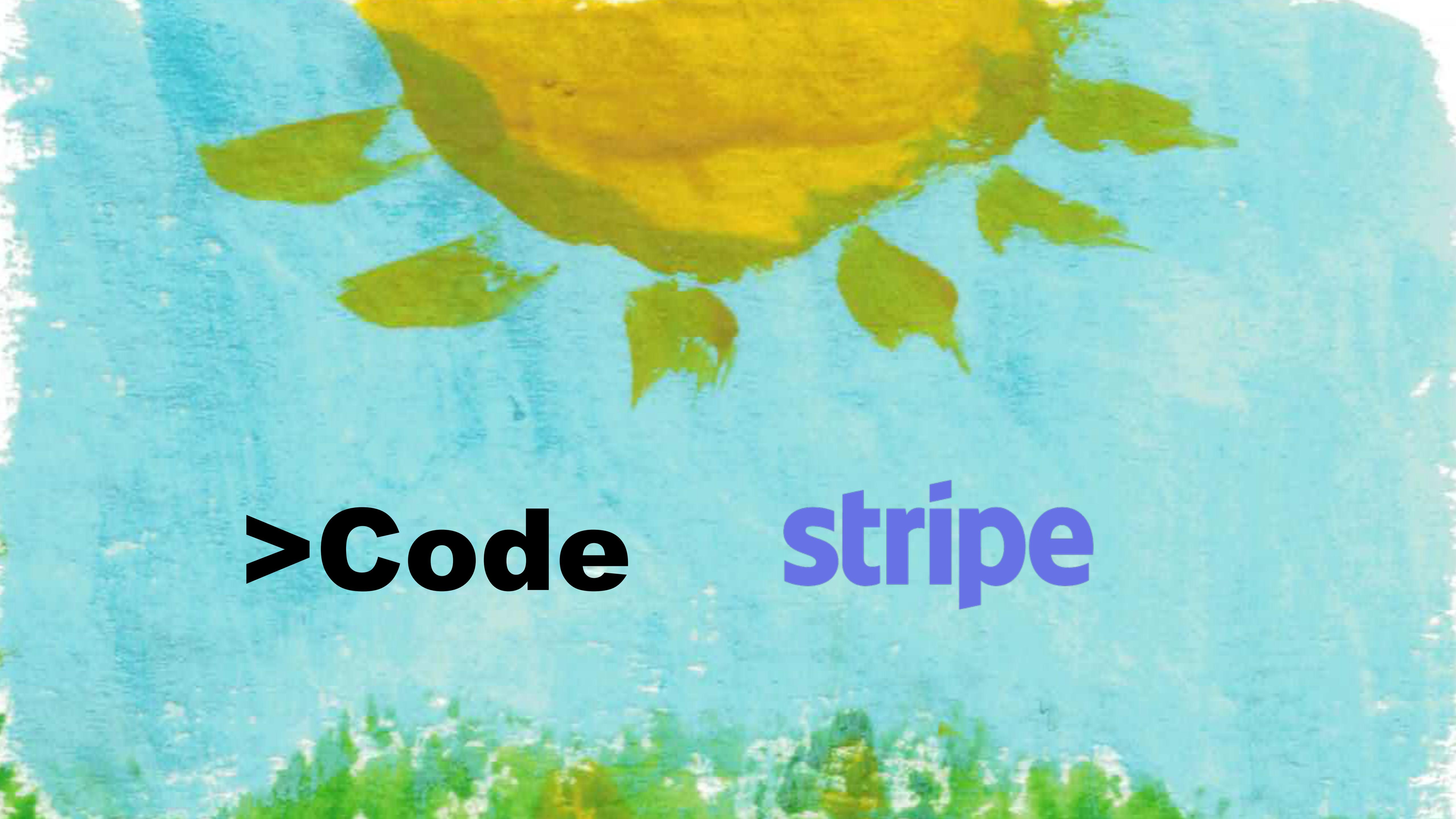
rug edit



medium.com/the-composition



ATOMIST



>Code stripe

A photograph of a tree with green leaves and some yellow autumn leaves, set against a clear blue sky.

@jessitron

github.com/jessitron/yow-brisbane