

```
23:08:12 client.1 | The type annotation for `subscriptions` says it always returns:
23:08:12 client.1 |     Sub Msg
23:08:12 client.1 | But the returned value (shown above) is a:
23:08:12 client.1 |     Sub HomePage.Msg
```

U48AEBJQ3 : Right, usually a tag of `Msg`

```
...
| SubscriptionEvent HomePage.Msg
...
```

```
Sub.batch
  [ gotAllPublicForms (SubscriptionEvent (HomePage.GotAllPublicFormsMsg <<< decodeValue
jsonFormListDecoder))
    , gotForm (SubscriptionEvent (HomePage.GotFormMsg <<< decodeValue jsonFormDecoder))
  ]
```

```
port gotForm : (Json.Decode.Value -> msg) -> Sub msg
```

```
23:44:13 client.1 |      Msg
```

U69D8R59S : Yes, exactly! :slightly_smiling_face:

U153UK3FA : <<http://package.elm-lang.org/packages/mdgriffith/elm-style-animation/latest>> is nice for doing animation
U69D8R59S : Thank you. I think I can see a way to use animation to fit my needs.
As a different challenge, what would be a good way to accomplish this without animation? Let's say my view was simply displaying a value from my model, and elsewhere in my application, that value was being updated N times every second or so.

U69D8R59S : I can see a way in JavaScript: a loop with `setTimeout`. But the paradigm shift has been challenging for me. I'm mostly curious for the education.

U153UK3FA : You'd likely have a subscription to `Time.every` and have a case in your `update` that produced a Cmd from `Random.generate` and a another case to update the model with the result of that Cmd

U153UK3FA : <<http://package.elm-lang.org/packages/elm-lang/core/5.1.1/Time#every>>

U153UK3FA : <<http://package.elm-lang.org/packages/elm-lang/core/5.1.1/Random#generate>>

U69D8R59S : With that method, are you envisioning an additional property to track when N operations has been reached--since `Time.every` would run indefinitely

U153UK3FA : yep

U153UK3FA : and you just drop the subscription once you've reached that number

U69D8R59S : Excellent. Thank you very much!

U1ZFF0E5P : can someone explain to me the following: ``> (,)<<function>> : a -> b -> (a, b)

&> (,)

&<<function>> : a -> b -> c -> (a, b, c)

``

the `(,)` or `(,,)` part is special elm syntax right? or is it like say `map7` and has only a finite amount of them defined?

U1ZFF0E5P : (can't seem to find anything in elm-core)

U153UK3FA : there is a finite amount of them

U153UK3FA : ``(,,,,,,,,)`` is the limit

U153UK3FA : it's also special syntax and not a definable operator

U57KYFW67 : Are there any packages which expose access to local storage?

U153UK3FA : <@U57KYFW67>

<<https://github.com/elm-lang/projects/blob/master/roadmap.md#where-is-the-localstorage-package>>

U57KYFW67 : tyty

U2DF486HL : Hi, in my elm app I use this kind of Routes `"/#/myroute"`. Can I start my app with one of this routes? Bear in mind that my app entrypoint is a url like `"/path/to/elmView/"` in django, from where I take some flags for initialization

U1ZFF0E5P : you want to use a program from the Navigation package