

U57KYFW67 : <@U663M2MB7> neat. IO is a little bit different in how it's handled, since there's no IO type. Everything gets routed through `Cmd`'s.

U57KYFW67 : <@U663M2MB7> Elm is just like Haskell, where the only points where purity is breached are either buried in native packages or in `Debug.log`

U57KYFW67 : and everything else is side-effect-free

U39DE7RQ9 : <@U48AEBJQ3> thanks, at least now I know where the function resides. I will try to create something using Cmd. Ports only return Cmd right?

U48AEBJQ3 : <@U39DE7RQ9> Yes.

U39DE7RQ9 : <@U48AEBJQ3> is there a Cmd equivalent to Task.attempt?

U48AEBJQ3 : No. What I would do is change all of my `init` functions from something like `init : Session -> Article.Slug -> Task PageLoadError Model` to something like `init : (Result PageLoadError Model -> msg) -> Session -> Article.Slug -> Cmd msg`

U48AEBJQ3 : Which would have you change `transition ArticleLoaded (Article.init model.session slug)` to `transition (Article.init ArticleLoaded model.session slug)`

U48AEBJQ3 : And `transition` would look like:

...

transition cmd =

```
{ model | pageState = TransitioningFrom (getPage model.pageState) }
```

```
=&gt; cmd
```

...

U39DE7RQ9 : <@U48AEBJQ3> thanks, I will try that!

U39DE7RQ9 : <@U48AEBJQ3>, now that code seems to compile. The next problem is that in my subscriptions I need to point to messages that resides in my HomePage module. The compiler says:```

```
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
```

...

U39DE7RQ9 : I know it is possible to map messages some how but I cant find how.

U48AEBJQ3 : <@U39DE7RQ9> <<http://package.elm-lang.org/packages/elm-lang/core/5.1.1/Platform-Sub#map>>

U48AEBJQ3 : You need something of `HomePage.Msg -> Msg`

U48AEBJQ3 : Usually a constructor of `Msg`

U39DE7RQ9 : <@U48AEBJQ3> a function that encapsulates HomePage.Msg in a Msg?

U48AEBJQ3 : Right, usually a tag of `Msg`

...

type Msg

...

```
| SubscriptionEvent HomePage.Msg
```

...

U39DE7RQ9 : Im sorry <@U48AEBJQ3> but I cannot seem to puzzle this out by my self. I have added

`SubscriptionEvent HomePage.Msg` message but my subscriptions look like this tight now and it does not compile.```

subscriptions : Model -> Sub Msg

subscriptions model =

```
Sub.batch
```

```
  [ gotAllPublicForms (SubscriptionEvent (HomePage.GotAllPublicFormsMsg &lt;&lt; decodeValue  
jsonFormListDecoder))
```

```
    , gotForm (SubscriptionEvent (HomePage.GotFormMsg &lt;&lt; decodeValue jsonFormDecoder))
```

```
  ]
```

...

U39DE7RQ9 : My ports look like this:```

```
port getAllPublicForms : () -&gt; Cmd msg
```

```
port gotAllPublicForms : (Json.Decode.Value -&gt; msg) -&gt; Sub msg
```

```
port getForm : FormId -&gt; Cmd msg
```

```
port gotForm : (Json.Decode.Value -&gt; msg) -&gt; Sub msg
```

...

23:44:13 client.1 |

23:44:13 client.1 | Function `gotAllPublicForms` is expecting the argument to be:

23:44:13 client.1 | Value -> Msg

23:44:13 client.1 | But it is:

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

U48AEBJQ3 : <@U39DE7RQ9> There are different places to tackle this from. I think from how you are doing it here, you need `gotAllPublicForms (SubscriptionEvent &It;&It; HomePage.GotAllPublicFormsMsg &It;&It; decodeValue jsonFormListDecoder)`

U69D8R59S : Good way to call a function N times? In my specific case, I'm trying to simulate a dice roll by updating my model with random values for a few seconds.

U153UK3FA : <@U69D8R59S> calling a function N times really depends on what you want to do with the N results

U153UK3FA : do you want a list of these results?

U69D8R59S : I want to replace a property on my model N times

U153UK3FA : ah, wanting to animate a die face by having it transition between numbers?