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U4RR7KX45 : <@U48AEBJQ3> what should `mkThing` do?
U3YA74FQD: I'm writing a spa so I put a key on the problematic pages
U48AEBJQ3: `mkThing: Int -> String -> String -> YourFancyType`
This could be (but doesn't have to be)
`type YourFancyType = MkThing Int String String`
U4RR7KX45 : ah so it should be a type I get it now :smile:
U4RR7KX45: damn it's so confusing
U48AEBJQ3: It's... very different from what many people have experience with.
U4RR7KX45: so if I had 20 fields, do I need to write types for each?
U4RR7KX45: I mean, define all of them in the type
U48AEBJQ3: If you want to use all 20 fields to construct some type, you would need a function which could take all of
those. Although, I might break it up into smaller pieces at that size.
U300LJUAK: If you need to decode complex type aliases, you should look into elm-decode-pipeline
<a href="https://github.com/NoRedInk/elm-decode-pipeline">https://github.com/NoRedInk/elm-decode-pipeline</a> :wink:
U4RR7KX45: I guess that makes sense elm-way.
Oh and also in this example:
<a href="http://elm-lang.org/examples/http">http://elm-lang.org/examples/http></a>
decodeGifUrl: Decode.Decoder String
decodeGifUrl =
 <a href="http://Decode.at|Decode.at">http://Decode.at|Decode.at</a> ["data", "image_url"] Decode.string
Why is this a constant? shouldn't it be a function?
U4RR7KX45: oh wait mine is the same: smile: nvm
U48AEBJQ3: One useful thing that you might not have noticed in the documentation is that:
type alias YourFancyRecordAlias =
  { id : Int
  , title : String
  , content : String
  , link: String
This gives you an auto-generated constructor `YourFancyRecordAlias: Int -&qt; String -&qt; String -&qt; String -&qt;
YourFancyRecordAlias`
U4RR7KX45: yeah I saw that. But now I have tons of type related issues.so I created the type
type alias Content =
  { id : Int
   content : String
and then my decoder
decodeQuoteUrl: Decode.Decoder String
decodeQuoteUrl =
  Decode.map2 Content
     (Decode.field "ID" <a href="http://Decode.int|Decode.int">http://Decode.int|Decode.int</a>)
     (Decode.field "content" Decode.string)
but this gives me an error saying that it should be `Decode.Decoder Content`, not `String` for some reason. If I change
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. . .

that to 'Decode Decoder Content', then this one goes crazy:

fetchRandomQuoteCmd : Cmd Msg
fetchRandomQuoteCmd =

Http.send FetchRandomQuoteCompleted fetchRandomQuote

U48AEBJQ3 : Because `FetchRandomQuoteCompleted` is a constructor that takes a `String` not a `Content`?

U4RR7KX45 : indeed it is :smile:

U4RR7KX45 : damn it

U4RR7KX45 : ok one more question please. I want to extract just the content fields from that list, to have a list of string.

how can I do that? I tried this"

Decode.map String

(Decode.field "content" Decode.string)

U48AEBJQ3 : So, you have a list of objects which each have a "content" field, and you want those collected as a `List

String`?

U4RR7KX45 : yeah, I want to extract the content from them

U23SA861Y: `Decode.list (Decode.field "content" Decode.string)`

U4RR7KX45 : yes! that's it :smile: