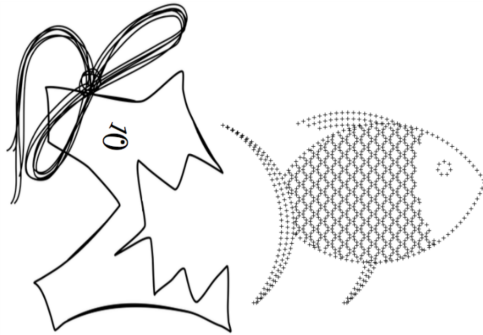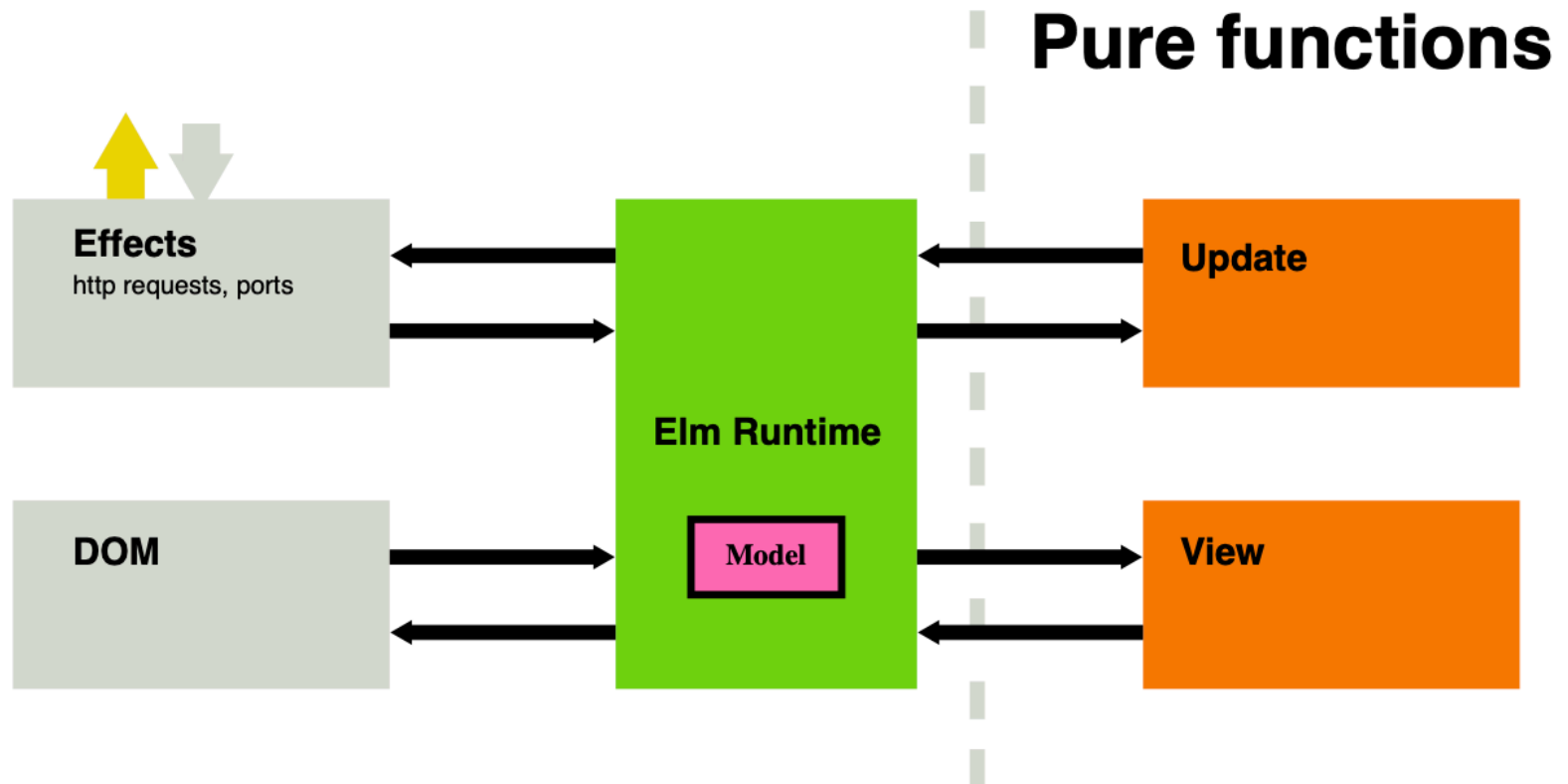# Interaction

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The Elm Architecture

- Elm functions are pure functions

  - No side-effects

  - Interacting with the world is a side-effect!

  - Model-View-Update accomplishes this

  - In industry, called The Elm Architecture

https://macoutreach.rocks/TEAStateDiagrams.html

Copy/Paste/Explore

- The Game Examples contain many examples of simple code patterns

- Some important ones:

Loaf.elm	Animation, using if-then-else.
Hummingbird.elm	Animation, let-in to use named subexpressions.
RedPurpleBlue.elm	Making shapes clickable.
Blotter.elm	Using lists.
TwoShips.elm	Using WASD and arrows for two players.