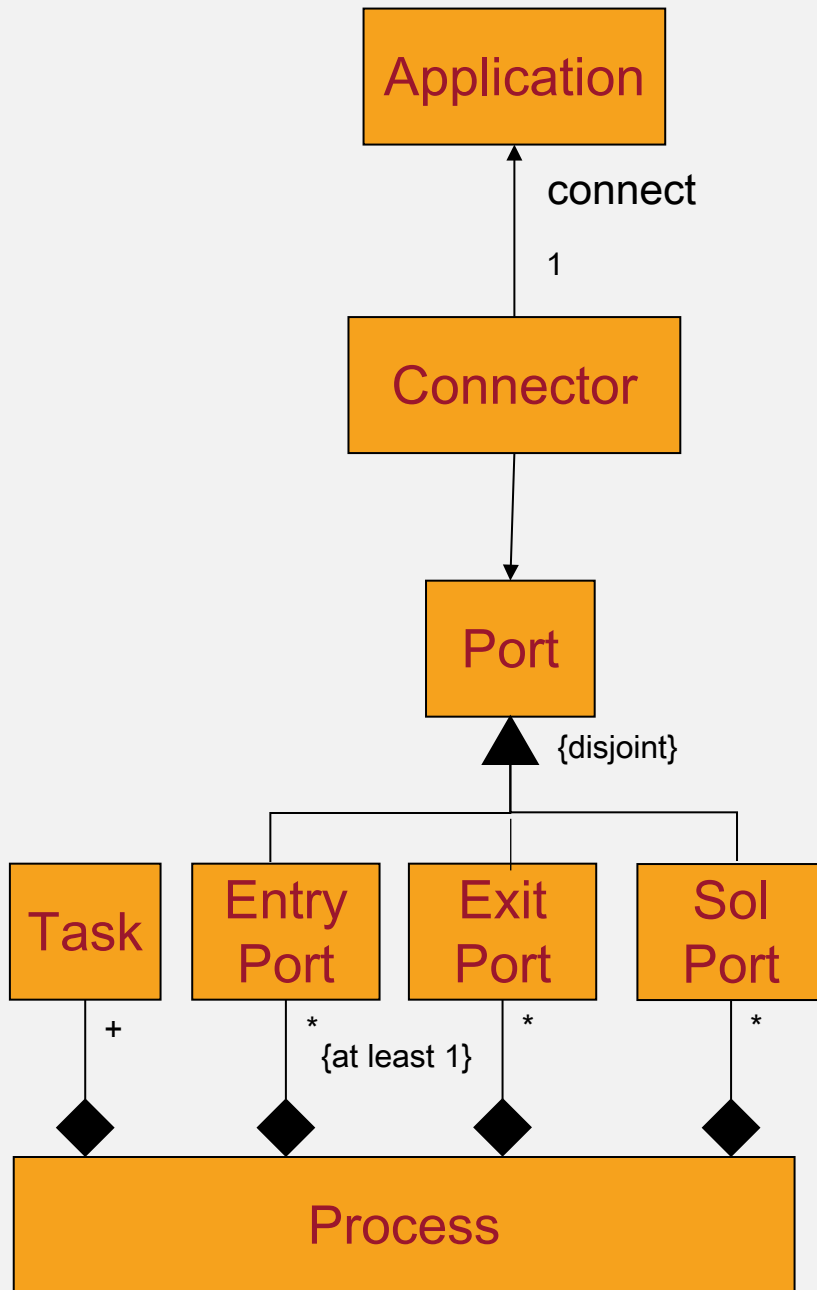


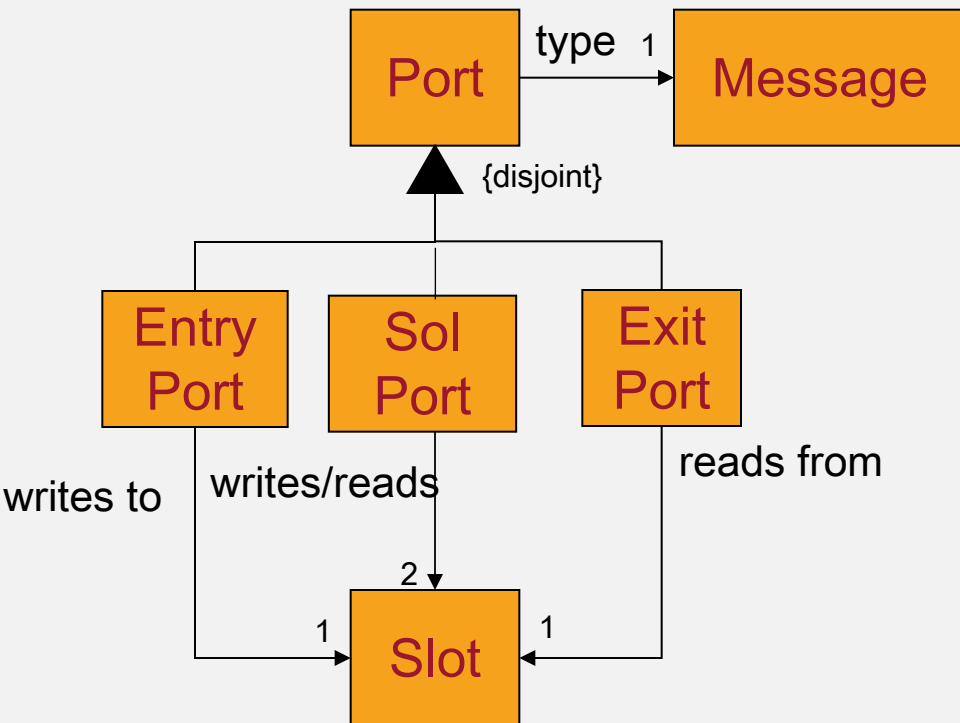
CAFÉ IMPLEMENTATION



PROCESS

- Their goal is to transform/route messages
- Their internals consist of tasks that are executed sequentially
- They communicate through entry, exit and solicitor ports

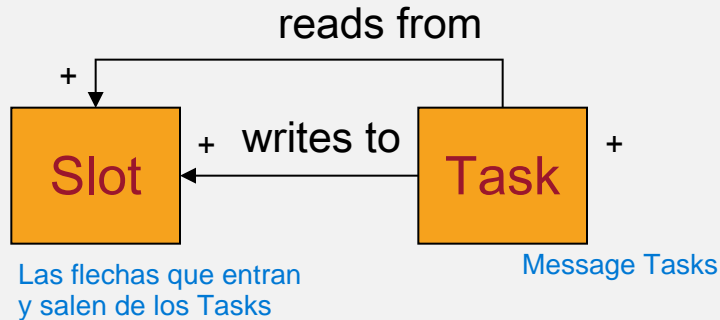
PORTS



- They connect building blocks to each other
- They buffer messages that can't be handled
- Entry ports can be bound to exit ports and vice versa
- Ports write to/read from slots, which constitute the state of a building block

TASKS

- Tasks implement simple processes to route or transform messages
- They can read from/write to multiple slots

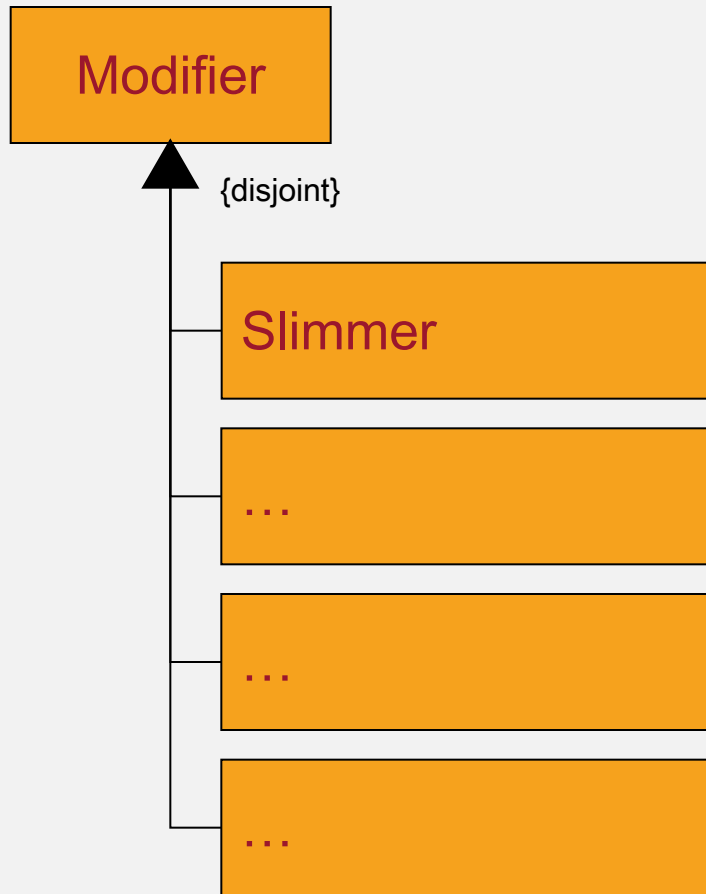


TASKS

- Tasks allow to modify, transform or route messages

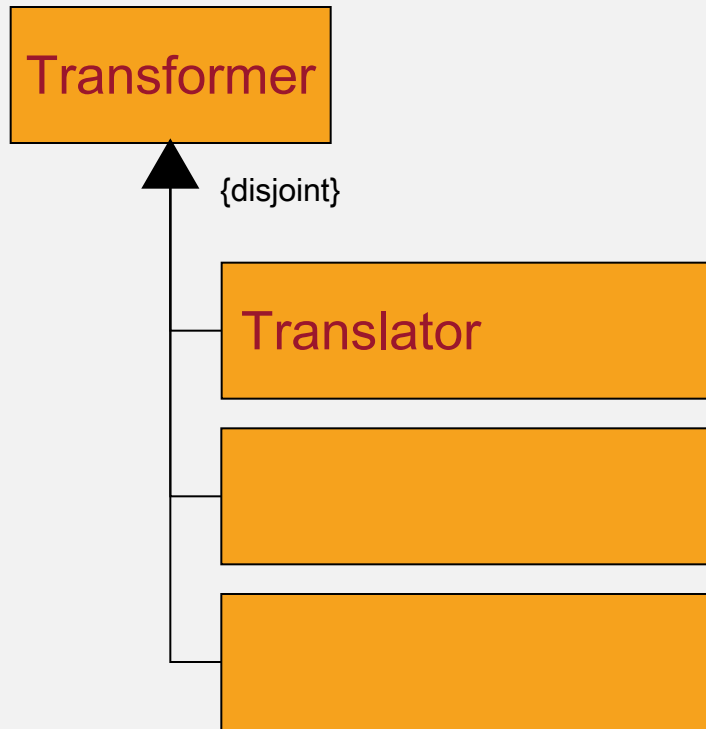


MODIFIERS



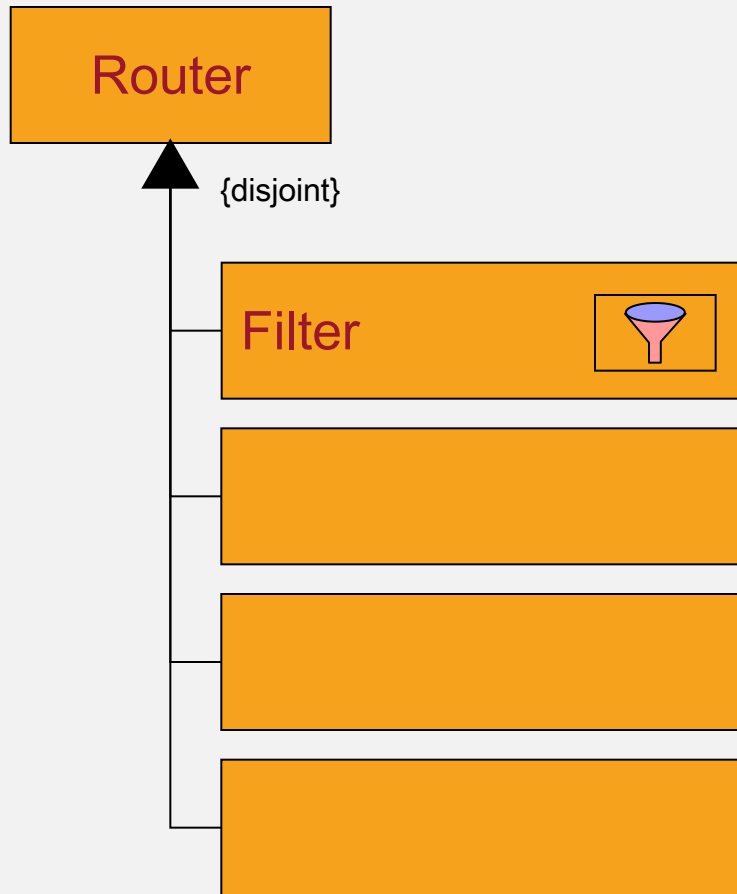
- Modifiers modify the messages but they do not change their type

TRANSFORMERS



- Transformers change the structure of the messages they get, i.e., their type
- The changes either restructure message, add new fields, or remove a few
- Every transformation must result in a message with a valid type

ROUTERS



- Routers can prevent messages from going further, redistribute them, or change the order in which they flow