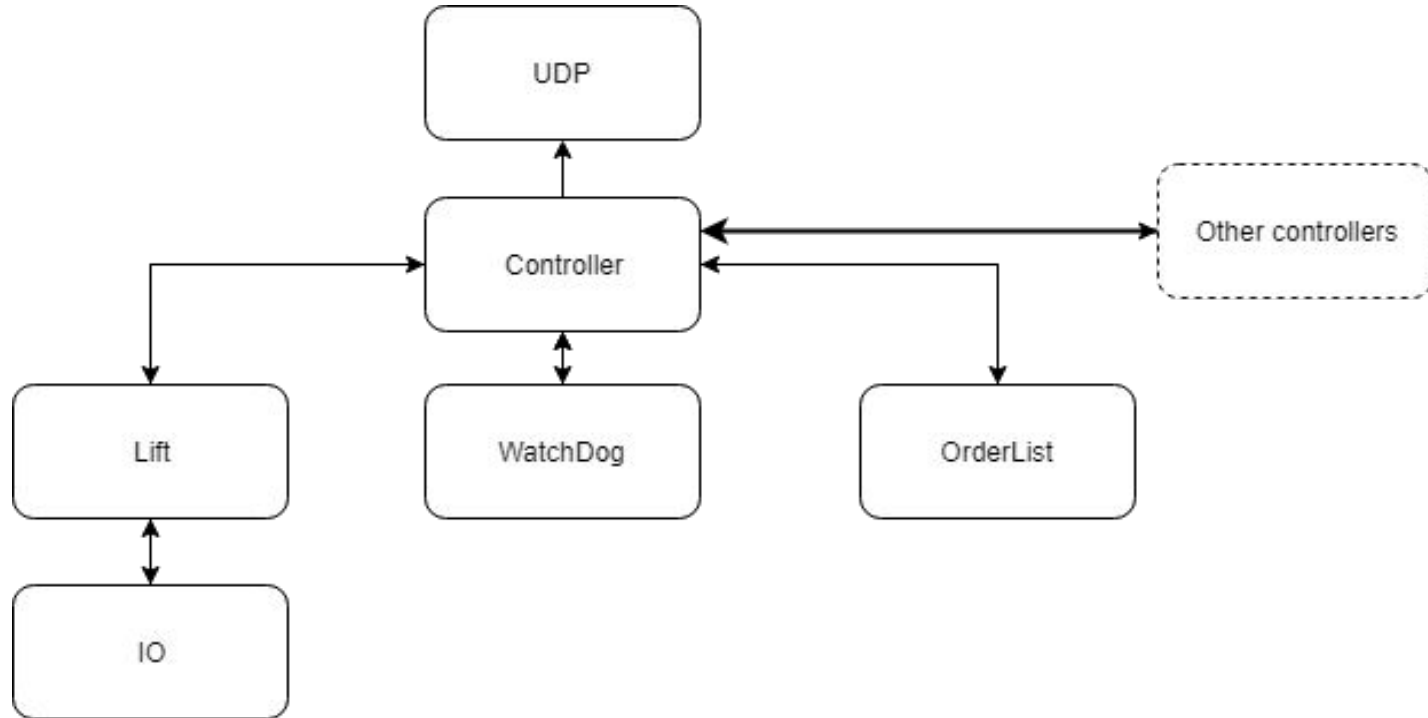


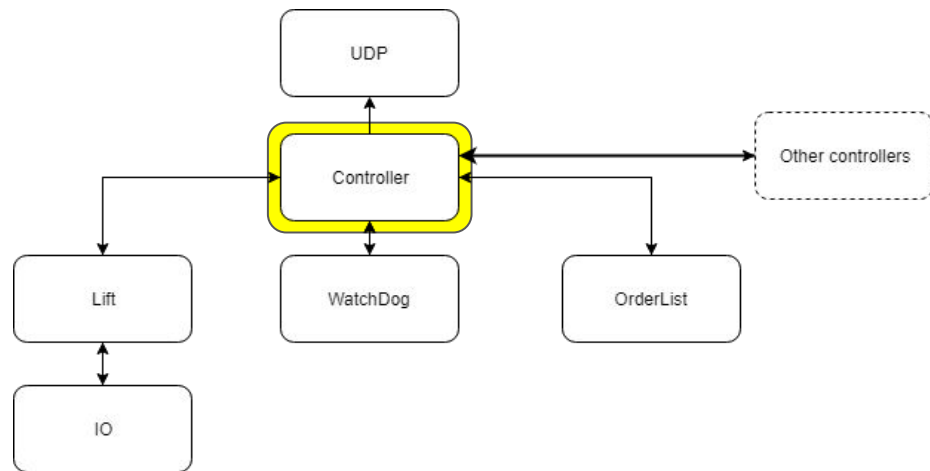
# Designpresentasjon

TTK4145

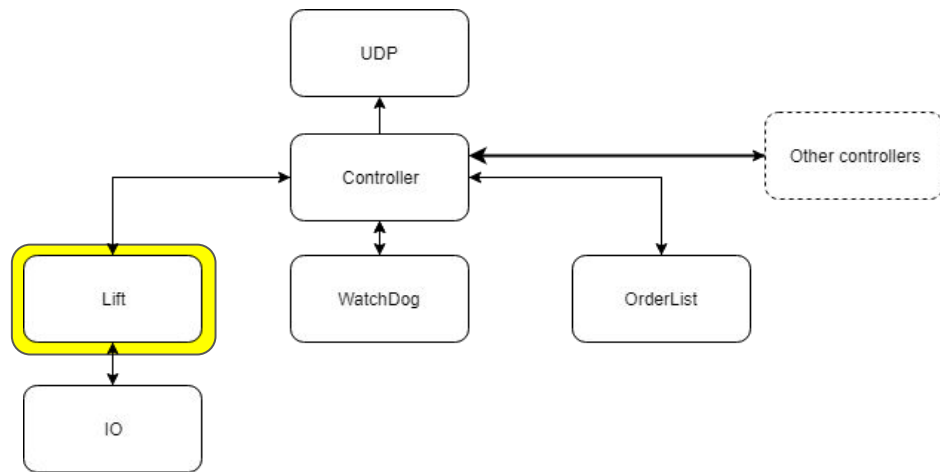
Ole-Jørgen Hannestad, Torbjørn Fuglestad & Simen Krantz Knudsen

# Information flow diagram

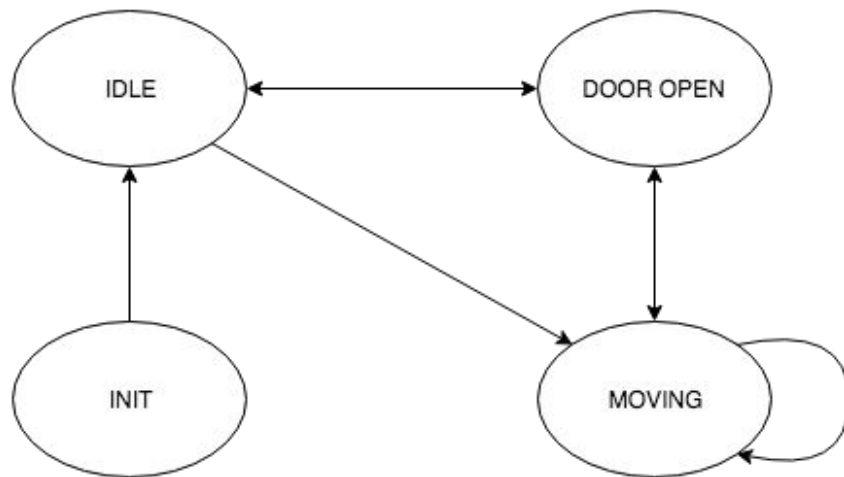




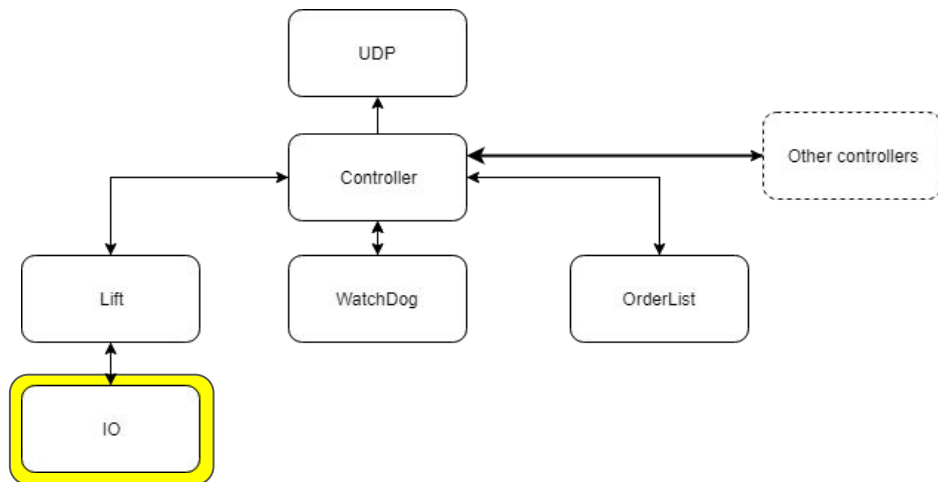
Module	Interface	
<b>Controller</b>	<u>Internal in node:</u> New_order get_direction	<i>reply</i> <i>reply</i>
	<u>Between nodes:</u> assign_order assign_watchdog order_bid_completed request_cost order_done	<i>reply</i> <i>reply</i> <i>reply</i> <i>reply</i> <i>no_reply</i>



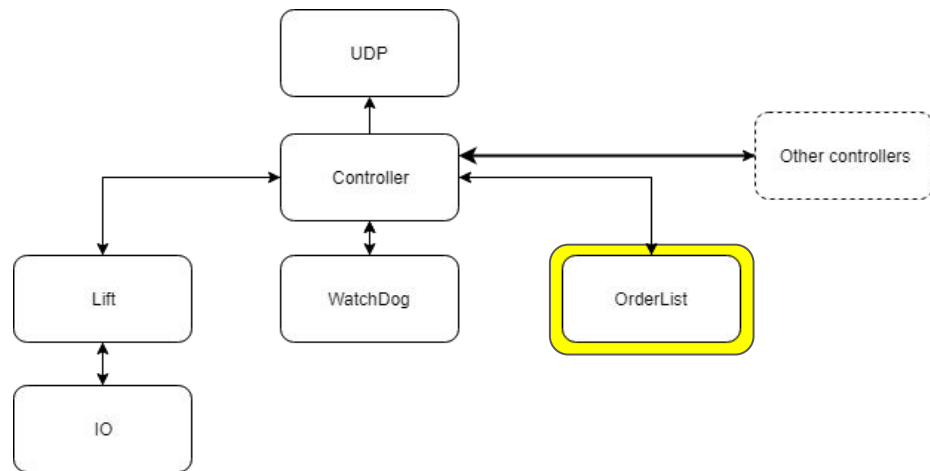
Module	Interface	
<b>Lift</b>	respond_IO_event set_light_button	<i>reply</i> <i>no_reply</i>



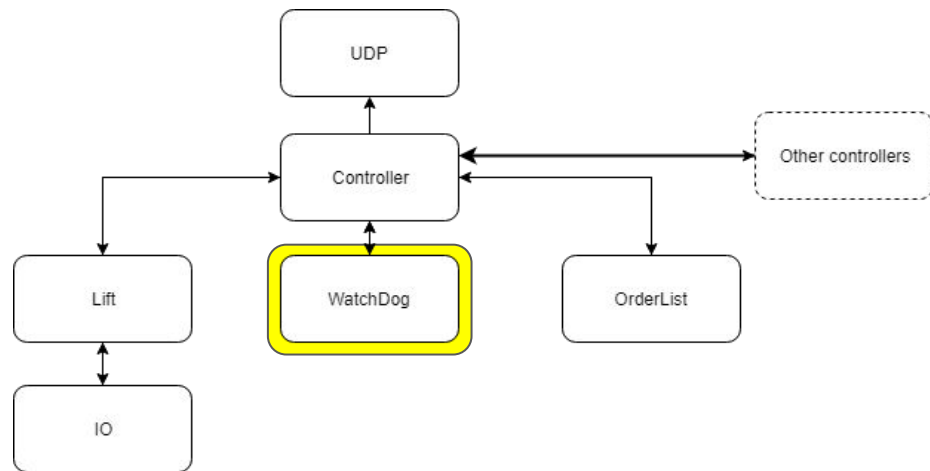
Module	Interface	
Lift	respond_IO_event set_light_button	<i>reply</i> <i>no_reply</i>



Module	Interface		Events
IO	set_light set_door set_direction	<i>no_reply</i> <i>reply</i> <i>reply</i>	at_floor button_pushed door_closed

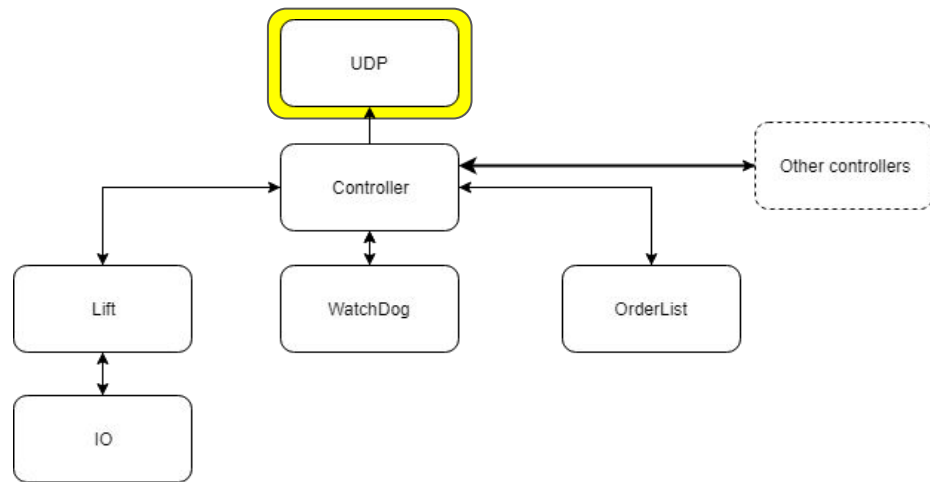


Module	Interface		Events
<b>OrderList</b>	add_order order_done orders_at_floor? get_all_orders order_complete?	<i>reply</i> <i>reply</i> <i>reply</i> <i>reply</i> <i>reply</i>	first_order_added



Module	Interface		Events
WatchDog	add_timer order_complete	reply no_reply	re-inject_order





Module	Interface	
UDP	start_link	<i>reply</i>

# Network

Erlang distributed nodes

# Use cases

- Order lift by pushing button
- Lift arrives at floor
- Place order on tender with cost function

- Watchdog timer done
- Startup of node

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