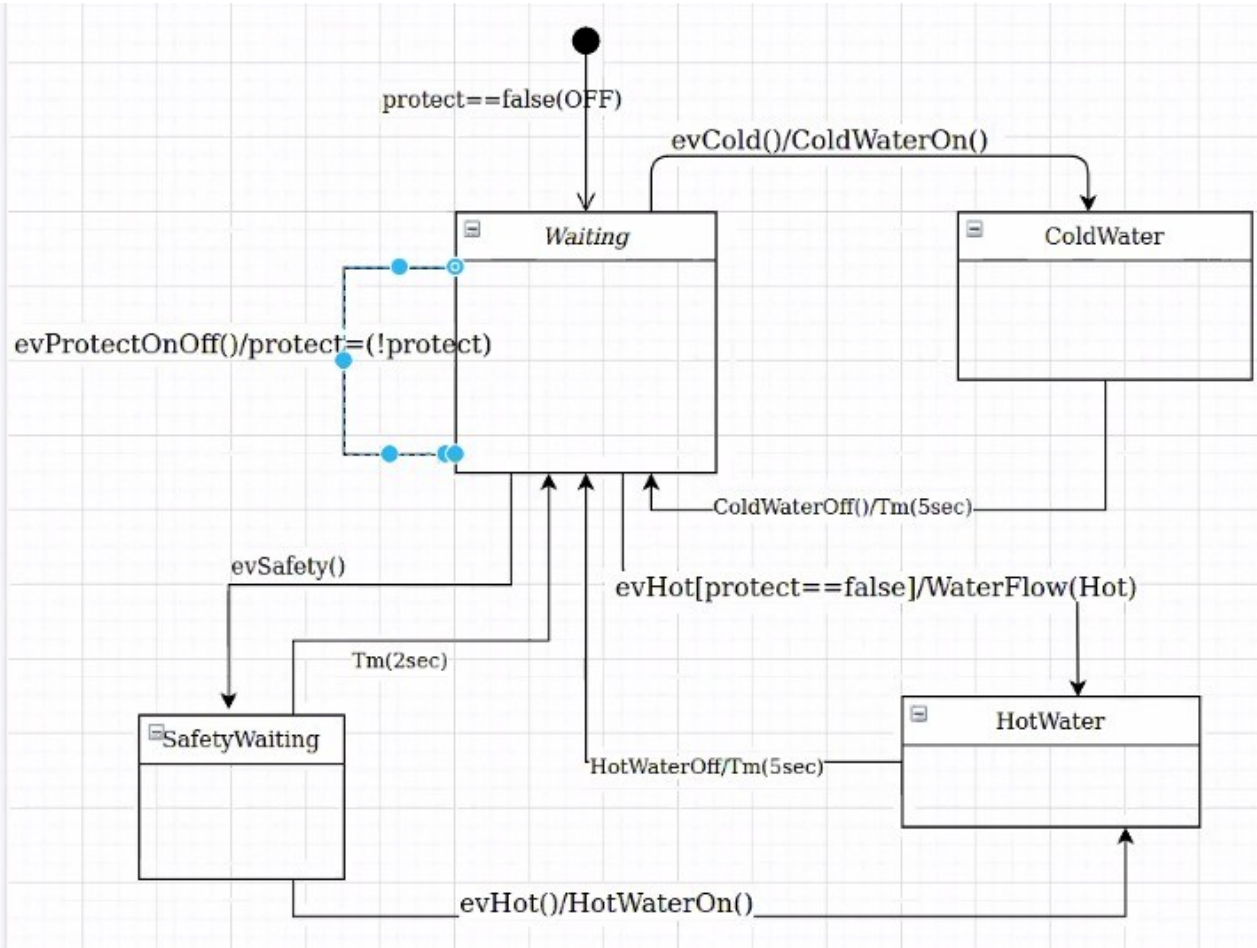
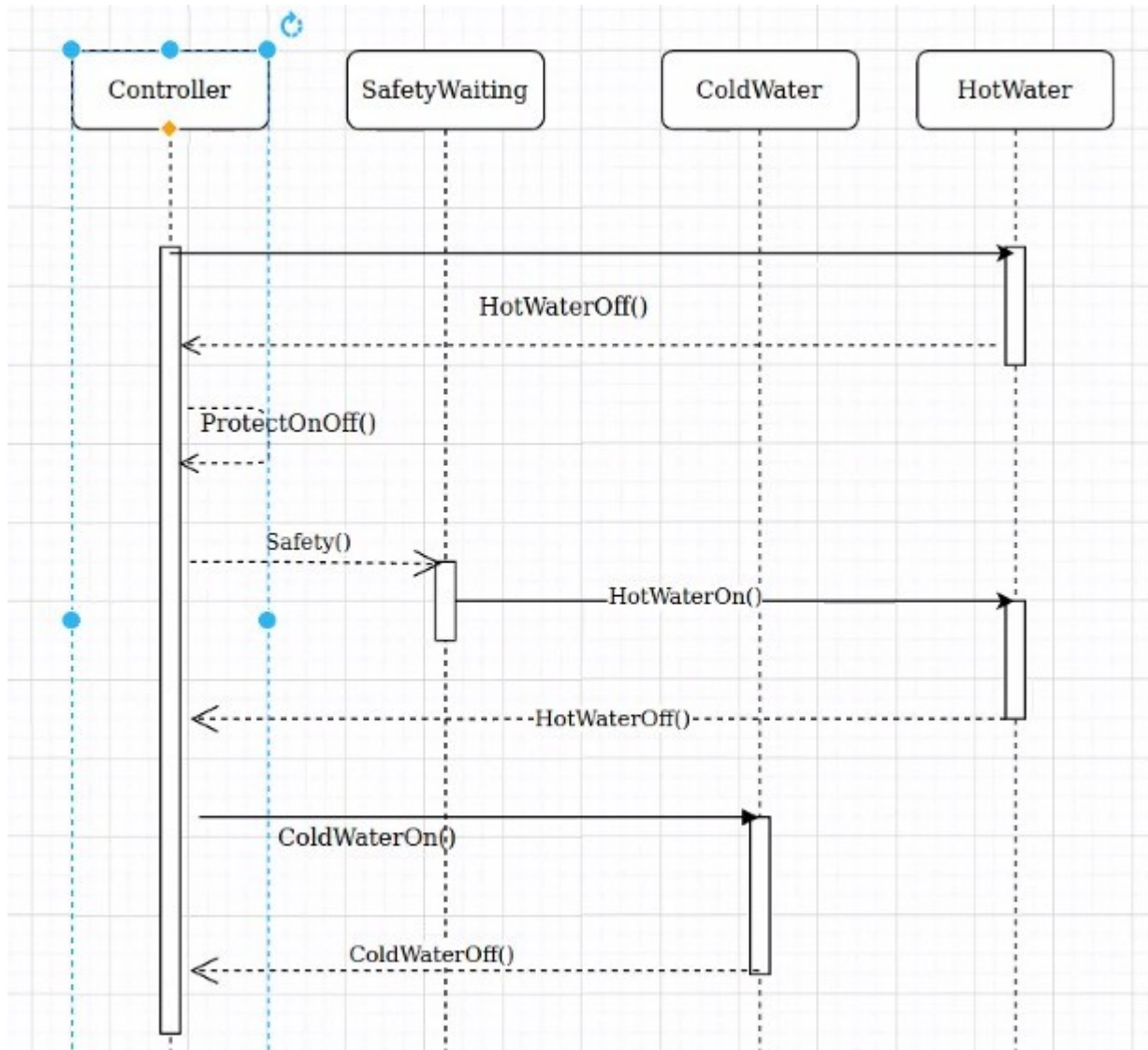


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Assignment Three
Part A:



Part B:



Part C:

We could enable choice of initialisation of the child protection state by changing the constructor (of the Water Bar and the child protection), to receive a parameter (on/off). Thus we have taken into account the Open-Closed design principle – by allowing for extension, yet not changing (closed to change) how the water bar operates – it will still be using the same child protection mechanism as it was before – merely passing a different choice when initialised if need be.