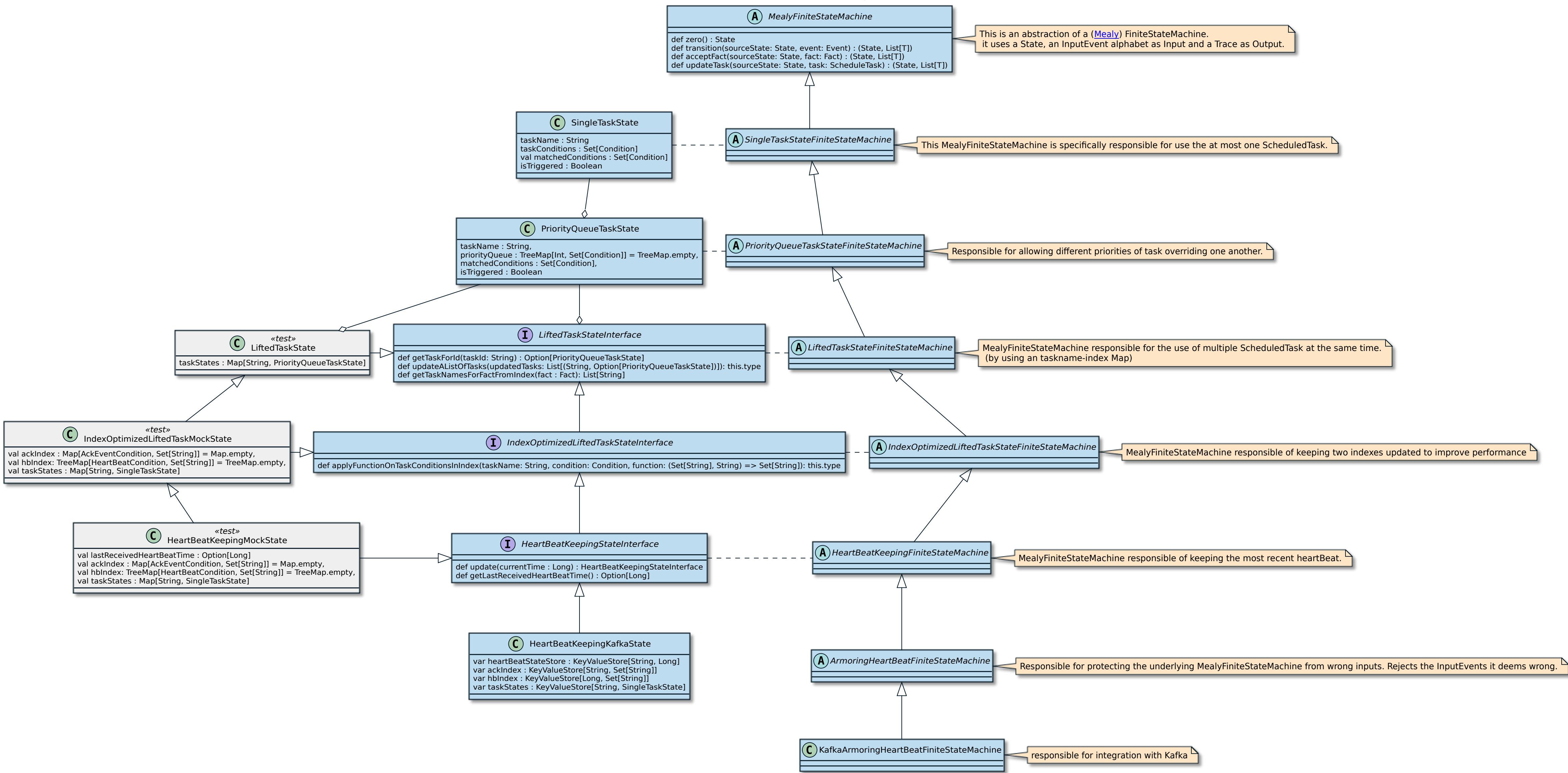


KBeatBox class diagram



This is an abstraction of a (Mealy) FiniteStateMachine. it uses a State, an InputEvent alphabet as Input and a Trace as Output.

This MealyFiniteStateMachine is specifically responsible for use the at most one ScheduledTask.

Responsible for allowing different priorities of task overriding one another.

MealyFiniteStateMachine responsible for the use of multiple ScheduledTask at the same time. (by using an taskname-index Map)

MealyFiniteStateMachine responsible of keeping two indexes updated to improve performance

MealyFiniteStateMachine responsible of keeping the most recent heartBeat.

Responsible for protecting the underlying MealyFiniteStateMachine from wrong inputs. Rejects the InputEvents it deems wrong.

responsible for integration with Kafka

Type
Production Code
Test code and Mocks
notes

FiniteStateMachines are roughly retrocomptabile :

Tests that are passing for the SingleTaskStateFiniteStateMachine are also passing on all FiniteStateMachine downstream.