# Framework

Our simulations run within the framework that we have designed and implemented ourselves. This framework provides two classes: “SimController” and “SimEvent”. The main advantage of this approach is that these two classes can be extended to match each simulation problem by encapsulating the required data and incorporating the essential logic.

## SimController

### Parameters

* initialEvent: SimEvent
* stop: float

### Variables

* futureEvents: List[SimEvent]
* clock: float

### Methods

* dispatchEvent(self, event: SimEvent) -> None
* simulate(self) -> None

## SimEvent

### Parameters

* interval: float

### Variables

* due: float
* controller: SimController

### Methods

* trigger(self) -> None

# Problems

1. Able and Baker are two servers at Sonic Drive-In. Cars arrive uniformly between 3 and 6 minutes. The servers serve customers uniformly