```
------ module xApp --
EXTENDS API
LOCAL INSTANCE Naturals
LOCAL INSTANCE Sequences
LOCAL INSTANCE FiniteSets
Constant App
Assume App \in \text{string}
Constant Nodes
ASSUME \land IsFiniteSet(Nodes)
          \land \forall n \in Nodes : n \in STRING
vars \triangleq \langle \rangle
                        MODULE Store —
   Init \stackrel{\triangle}{=} TRUE
   Next \stackrel{\triangle}{=} FALSE
LOCAL Store \stackrel{\triangle}{=} INSTANCE Store
                                 ---- module SB ----
   SendSubscribeRequest(c) \triangleq
       \land API!E2T!Client!Send!SubscribeRequest(c, [foo \mapsto "bar"])
   HandleSubscribeResponse(c, m) \stackrel{\Delta}{=}
       \land UNCHANGED \langle \rangle
   SendUnsubscribeRequest(c) \triangleq
       \land API!E2T!Client!Send!UnsubscribeRequest(c, [foo \mapsto "bar"])
   Handle Unsubscribe Response(c, m) \triangleq
       \land UNCHANGED \langle \rangle
   Init \stackrel{\triangle}{=}
      \wedge TRUE
   Next \triangleq
       \forall \exists n \in Nodes, s \in API!E2T!Servers : API!E2T!Client!Connect(n, s)
       \vee \exists c \in API!E2T!Connections: API!E2T!Client!Disconnect(c)
       \vee \exists c \in API!E2T!Connections:
```

- * Last modified Fri Aug 13 16:35:43 PDT 2021 by jordanhalterman
- * Created Tue Aug 10 04:55:35 PDT 2021 by jordanhalterman