

```
/****** Manager *****/

// UC 3: OrderProducts
automaton Manager (920) {
  state 0, 1, 2;
  init 0;
  trans
    0 -> 1 (920, btnOrder, -),
    1 -> 2 (-, btnOrder', 920),
    2 -> 2 (920, sleep, 920);
}

/* UC scenario

(920, btnOrder, 710),
(710, orderProducts, 610),

(610, queryProductById, 521),
(521, queryProductById', 610),
(610, makePersistent, 511),
(511, makePersistent', 610),

(610, queryProductById, 521),
(521, queryProductById', 610),
(610, makePersistent, 511),
(511, makePersistent', 610),

(610, queryStoreById, 521),
(521, queryStoreById', 610),

(610, queryStoreById, 521),
(521, queryStoreById', 610),

(610, orderProducts', 710),

*/

// UC 4: ReceiveOrderedProducts
automaton Manager (920) {
  state 0, 1, 2;
  init 0;
  trans
    0 -> 1 (920, btnRollIn, -),
    1 -> 2 (-, btnRollIn', 920),
    2 -> 2 (920, sleep, 920);
}

/* UC scenario

(920, btnRollIn, 710),
(710, rollInReceivedOrder, 610),
(610, getTransactionContext, 511),
(511, getTransactionContext', 610),
(610, beginTransaction, 511),
(511, beginTransaction', 610),
(610, queryOrderById, 521),
(521, queryOrderById', 610),

(610, queryStockItem, 521),
(521, queryStockItem', 610),

(610, queryStockItem, 521),
(521, queryStockItem', 610),

(610, queryStockItem, 521),
(521, queryStockItem', 610),

(610, commit, 511),
(511, commit', 610),
(610, rollInReceivedOrder', 710),

*/
```

```
// UC 5: ShowStockReports
automaton Manager (920) {
    state 0, 1, 2;
    init 0;
    trans
        0 -> 1 (920, btnStoreStockReport, -),
        1 -> 2 (-, btnStoreStockReport', 920),
        2 -> 2 (920, sleep, 920);
}

/* UC scenario

(920, btnStoreStockReport, 720),
(720, getStockReportStore, 620),
(620, getTransactionContext, 512),
(512, getTransactionContext', 620),
(620, beginTransaction, 512),
(512, beginTransaction', 620),
(620, queryStoreById, 522),
(522, queryStoreById', 620),
(620, queryAllStockItems, 522),
(522, queryAllStockItems', 620),
(620, commit, 512),
(512, commit', 620),
(620, getStockReportStore', 720)

*/

// UC 6: ShowDeliveryReports
automaton Manager (920) {
    state 0, 1, 2;
    init 0;
    trans
        0 -> 1 (920, btnMTDeliveryReport, -),
        1 -> 2 (-, btnMTDeliveryReport', 920),
        2 -> 2 (920, sleep, 920);
}

/* UC scenario

(920, btnMTDeliveryReport, 720),
(720, getMeanTimeToDeliveryReport, 620),
(620, getTransactionContext, 512),
(512, getTransactionContext', 620),
(620, beginTransaction, 512),
(512, beginTransaction', 620),
(620, queryEnterpriseById, 532),
(532, queryEnterpriseById', 620),

(620, getMeanTimeToDelivery, 532),
(532, getMeanTimeToDelivery', 620),

(620, getMeanTimeToDelivery, 532),
(532, getMeanTimeToDelivery', 620),

(620, commit, 512),
(512, commit', 620),
(620, getMeanTimeToDeliveryReport', 720)

*/

// UC 7: ChangePrice
automaton Manager (920) {
    state 0, 1, 2;
    init 0;
    trans
        0 -> 1 (920, enterNewPrice, -),
        1 -> 2 (-, enterNewPrice', 920),
        2 -> 2 (920, sleep, 920);
}

/* UC scenario

(920, enterNewPrice, 710),
(710, changePrice, 610),
(610, getTransactionContext, 511),
```

```
(511, getTransactionContext', 610),  
(610, beginTransaction, 511),  
(511, beginTransaction', 610),  
(610, queryStockItemById, 521),  
(521, queryStockItemById', 610),  
(610, commit, 511),  
(511, commit', 610),  
(610, changePrice', 710)
```

```
*/
```

```
/* External labels
```

```
  (-, btnOrder, 710), (710, btnOrder', -), // UC 3  
  (-, btnRefresh, 710), (710, btnRefresh', -),  
  (-, btnRollIn, 710), (710, btnRollIn', -), // UC 4  
  (-, enterNewPrice, 710), (710, enterNewPrice', -), // UC 7  
  (-, btnMTDeliveryReport, 720), (720, btnMTDeliveryReport', -), // UC 6  
  (-, btnStoreStockReport, 720), (720, btnStoreStockReport', -), // UC 5  
  (-, btnEnterpriseStockReport, 720), (720, btnEnterpriseStockReport', -),
```

```
*/
```