CSC-750 Assignment-1

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**Workflow description:**

In the provided Work Flow every transaction was assumed as successful there is no need for sending acknowledgement messages (*e.g., order received, payment submitted etc.),* **but** delays of some messages (change of order) are possible.

**Buyer’s role:**

Transaction starts once Buyer places an order and makes a payment, eBay will not process the order if both placing the order and payment are not done. Buyer can write a review anytime after order and payment are made.

**eBay’s role:**

After receiving the order and payment eBay sends messages to PayPal (hold request) and to Merchant with order details. The order of these messages may change but constrained to happened after orders has been received. Then it will wait for tracking information from Shipper and status of order from Merchant to notify PayPal to release the funds.

**PayPal’s role:**

Once it gets payment hold request from eBay, it notifies Merchant about the payment and waits message from the eBay to release the funds.

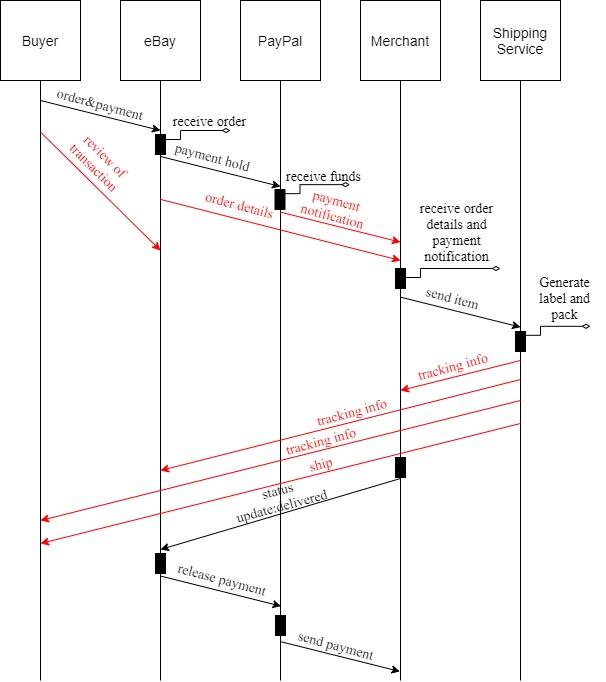
**Merchant’s role:**

Merchant doesn’t take any actions before it gets both order details from eBay and payment notification from PayPal. Only after that it can send an item to the Shipper and waits for tracking information from Shipper to update the status of the order. Through tracking information, it can update the status and tell eBay about delivery.

**Shipping Service:**

As Shipping Service receives the item it starts generating the label and packing. Then provides tracking information to both buyer and seller.

**Sequence Diagram:**



**Legend:**

Messages with red arrow are allowed for order change within the constrained **black** arrows in the enactments as they don’t affect the workflow

Messages with black arrow have to follow the order provided in the Workflow description.

The black rectangle is used to simulate internal processes of nodes (e.g., receiving messages as there are no acknowledgments, generating labels, packing, processing funds etc.)

**Enactments**

The order of messages was preserved as it was described in both Workflow description and Sequence Diagram. (The **same coloring** pattern was used for clarity and convenience)

**#1**

9/19/2021, 2:08:07 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 2:08:07 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 2:08:08 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 2:08:08 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 2:08:08 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 2:08:08 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 2:08:08 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 2:08:09 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 2:08:09 PM[node: item status update](http://localhost:1880/)merchant : msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 2:08:09 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 2:08:10 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 2:08:10 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 2:08:10 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 2:08:13 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[33]

"Buyer: review of the transaction "

9/19/2021, 2:08:14 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

**#2**

9/19/2021, 2:03:08 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 2:03:08 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 2:03:10 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 2:03:11 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 2:03:11 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 2:03:11 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 2:03:11 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 2:03:11 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 2:03:11 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[33]

"Buyer: review of the transaction "

9/19/2021, 2:03:12 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 2:03:12 PM[node: item status update](http://localhost:1880/)merchant : msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 2:03:12 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 2:03:14 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 2:03:14 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 2:03:14 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

**#3**

9/19/2021, 1:18:01 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 1:18:01 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 1:18:02 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 1:18:02 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 1:18:02 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 1:18:02 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 1:18:02 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 1:18:03 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 1:18:03 PM[node: item status update](http://localhost:1880/)msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 1:18:03 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 1:18:03 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 1:18:04 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[26]

"Buyer: review of the transaction "

9/19/2021, 1:18:04 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 1:18:05 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 1:18:05 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

**#4**

9/19/2021, 1:31:22 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 1:31:22 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 1:31:23 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[26]

"Buyer: review of the transaction "

9/19/2021, 1:31:24 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 1:31:24 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 1:31:24 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 1:31:24 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 1:31:24 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 1:31:25 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 1:31:26 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 1:31:26 PM[node: item status update](http://localhost:1880/)merchant : msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 1:31:26 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 1:31:26 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 1:31:27 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 1:31:27 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

**#5**

9/19/2021, 1:35:29 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 1:35:29 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 1:35:30 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 1:35:31 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 1:35:31 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 1:35:31 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 1:35:31 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 1:35:32 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[26]

"Buyer: review of the transaction "

9/19/2021, 1:35:32 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 1:35:32 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 1:35:33 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 1:35:33 PM[node: item status update](http://localhost:1880/)merchant : msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 1:35:33 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 1:35:35 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 1:35:35 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

**#6**

9/19/2021, 1:38:41 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 1:38:41 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 1:38:43 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 1:38:43 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 1:38:43 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 1:38:43 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 1:38:43 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 1:38:44 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 1:38:44 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 1:38:45 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 1:38:45 PM[node: item status update](http://localhost:1880/)merchant : msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 1:38:45 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 1:38:45 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 1:38:45 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

9/19/2021, 1:38:47 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[26]

"Buyer: review of the transaction "

**#7**

9/19/2021, 1:41:33 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 1:41:33 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 1:41:33 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 1:41:35 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 1:41:35 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 1:41:35 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 1:41:35 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 1:41:36 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 1:41:36 PM[node: item status update](http://localhost:1880/)merchant : msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 1:41:36 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 1:41:36 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 1:41:36 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 1:41:37 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[33]

"Buyer: review of the transaction "

9/19/2021, 1:41:38 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 1:41:38 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

**#8**

9/19/2021, 1:45:14 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 1:45:14 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 1:45:16 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 1:45:16 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 1:45:16 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 1:45:16 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 1:45:16 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 1:45:16 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 1:45:18 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 1:45:18 PM[node: item status update](http://localhost:1880/)merchant : msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 1:45:18 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 1:45:18 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 1:45:20 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 1:45:20 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[33]

"Buyer: review of the transaction "

9/19/2021, 1:45:20 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

**#9**

9/19/2021, 1:49:11 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 1:49:11 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 1:49:11 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 1:49:12 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 1:49:12 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 1:49:12 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 1:49:12 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 1:49:13 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 1:49:14 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 1:49:14 PM[node: item status update](http://localhost:1880/)merchant : msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 1:49:14 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 1:49:14 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 1:49:16 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 1:49:16 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

9/19/2021, 1:49:17 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[33]

"Buyer: review of the transaction "

**#10**

9/19/2021, 1:13:02 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 1:13:02 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 1:13:02 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[26]

"Buyer: review of the transaction "

9/19/2021, 1:13:02 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 1:13:02 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 1:13:02 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 1:13:03 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 1:13:03 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 1:13:03 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 1:13:03 PM[node: item status update](http://localhost:1880/)msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 1:13:03 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 1:13:03 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 1:13:04 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 1:13:05 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 1:13:05 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

**#11**

9/19/2021, 1:09:33 PM[node: BUYER:orderDetails](http://localhost:1880/)order : msg.confirm : string[26]

"Buyer->eBay: order&payment"

9/19/2021, 1:09:33 PM[node: EBAY:hold](http://localhost:1880/)hold : msg.payload : string[35]

"eBay->Paypal: payment, hold request"

9/19/2021, 1:09:33 PM[node: Transaction review](http://localhost:1880/)order : msg.payload : string[26]

"Buyer: review of the transaction "

9/19/2021, 1:09:33 PM[node: orderDetails for Merchant](http://localhost:1880/)msg.payload.merchant : string[30]

"eBay->Merchant: Order Details "

9/19/2021, 1:09:36 PM[node: PaymentNotification](http://localhost:1880/)msg.payload : string[38]

"PayPal->Merchant: payment notification"

9/19/2021, 1:09:36 PM[node: send item for shipping](http://localhost:1880/)msg.payload : string[31]

"Merchant->Shipper:item was sent"

9/19/2021, 1:09:36 PM[node: item status](http://localhost:1880/)msg.payload : string[42]

"Shipper->Buyer:item was packed and shipped"

9/19/2021, 1:09:36 PM[node: trackInfo sent](http://localhost:1880/)msg.payload : string[33]

"Tracking info was sent to parties"

9/19/2021, 1:09:36 PM[node: trackInfo](http://localhost:1880/)msg.payload : string[27]

"Merchant:trackInfo received"

9/19/2021, 1:09:36 PM[node: item status update](http://localhost:1880/)msg.payload : string[37]

"Merchant:item status update:delivered"

9/19/2021, 1:09:37 PM[node: buyer received trackInfo](http://localhost:1880/)msg.payload : string[24]

"Buyer:trackInfo received"

9/19/2021, 1:09:37 PM[node: from Shipper](http://localhost:1880/)msg.payload : string[23]

"eBay:trackInfo received"

9/19/2021, 1:09:37 PM[node: release](http://localhost:1880/)msg.payload : string[51]

"eBay->PayPal: item was delivered, release the funds"

9/19/2021, 1:09:39 PM[node: release](http://localhost:1880/)release : msg.payload : string[30]

"PayPal->Merchant: payment sent"

9/19/2021, 1:09:39 PM[node: payment received by merchant](http://localhost:1880/)msg.payload : string[38]

"Merchaint:received payment from PayPal"

**P.S.** Other Enactments are possible and the number of possibilities can be approximately calculated through provided sequence diagram. Due to randomness of the Node-Red’s **node** I stopped at 11.