PayPal Express Checkout Demo Application

A quick java web application, to demonstrate integration with PayPal NVP Classic API.

- The price, rate, quantity, currency are made readonly for demo purpose.
- Flow
 - Home Page Displays the express checkout button. Initiates the SetExpressCheckout flow.
 - Redirect Page Provides a button, to redirect to PayPal, displays the response of SetExpressCheckout in a textbox.
 - PayPal pages The buyer shall use his/her credentials and confirm the transaction.
 - PayPal redirects to merchant page. Displays the PayerId and Token in a text box.
 - On Do Checkout the transaction is finalized, a DoExpressCheckout function is invoked in PayPal, and response is displayed in a textbox.

NVP API is used, and CodeGen was used for certain functions.

ExpressCheckoutServlet

- Primary serlet used for navigating the workflow.

PayPalFunctions

 This code was obtained using the Code Generation wizard. Minor tweaks and fixes were done.

JSPs

- home.jsp (home page with card and express checkout button)
- showRedirectURL.jsp (a temporary page to do the redirect on click of a button)
- getExpressCheckoutDetails.jsp (order confirmation page)
- doExpressCheckoutResponse.jsp (expect checkout results page)

Demo application is deployed in OpenShift tomcat server.

http://paypaldemo-dvgj.rhcloud.com/

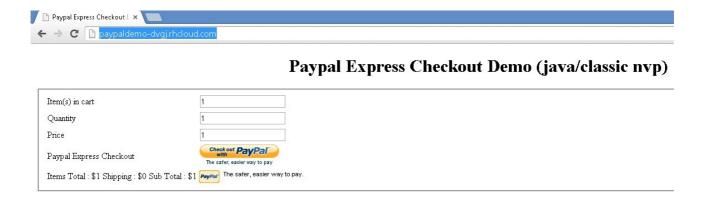
Source code is committed to GitHub.

https://github.com/dvgj/PayPalDemo

Application Screen Shot:

Screen 1:

HomePage: (On click, sends a SetExpressCheckout flow)



Screen 2:

Response:

{VERSION=93, BUILD=12194268, ACK=Success, CORRELATIONID=ecca837135f4b, TIMESTAMP=2014-08-07T08:25:11Z, TOKEN=EC-58899200KU386063R}

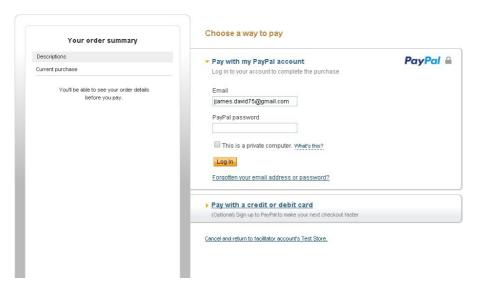


A button to do the redirect.

Screen 3:

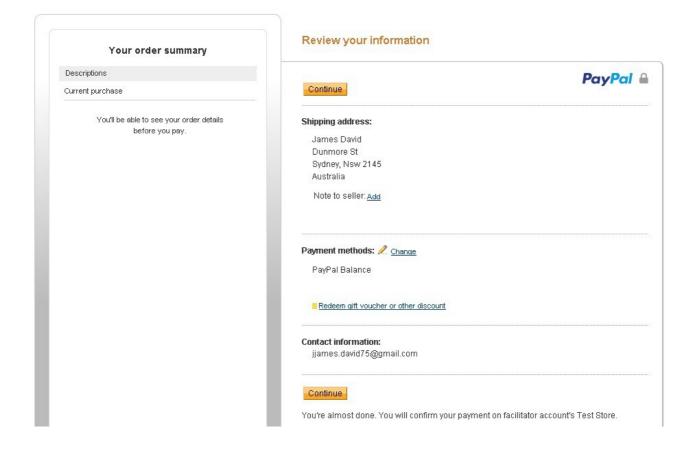
Buyer Login

facilitator account's Test Store



Screen 4: Buyer review

facilitator account's Test Store



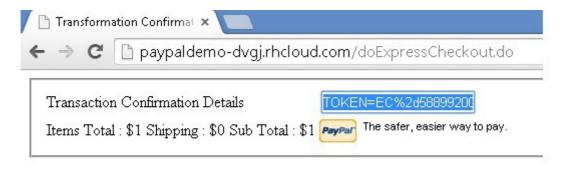
Screen 5:

Back to merchant site for order confirmation, and do ExpressCheckout



Screen 6:

Response of DoExpressCheckout



TOKEN=EC

%2d58899200KU386063R&SUCCESSPAGEREDIRECTREQUESTED=false&TIMESTAMP=20 14%2d08%2d07T08%3a31%3a59Z&CORRELATIONID=24e006d5708bc&ACK=Success&VERS ION=93&BUILD=12194268&INSURANCEOPTIONSELECTED=false&SHIPPINGOPTIONISD EFAULT=false&PAYMENTINFO_0_TRANSACTIONID=6BY07188AE522380V&PAYMENTIN FO_0_TRANSACTIONTYPE=expresscheckout&PAYMENTINFO_0_PAYMENTTYPE=instant&PAYMENTINFO_0_ORDERTIME=2014%2d08%2d07T08%3a31%3a59Z&PAYMENTINFO_0_AMT=1%2e00&PAYMENTINFO_0_FEEAMT=0%2e32&PAYMENTINFO_0_TAXAMT=0%2e0 0&PAYMENTINFO_0_CURRENCYCODE=AUD&PAYMENTINFO_0_PAYMENTSTATUS=Pending&PAYMENTINFO_0_PENDINGREASON=paymentreview&PAYMENTINFO_0_REASON CODE=None&PAYMENTINFO_0_PROTECTIONELIGIBILITY=Ineligible&PAYMENTINFO_0_PROTECTIONELIGIBILITYTYPE=None&PAYMENTINFO_0_SECUREMERCHANTACCOUNTID=7YTJWD5P2FV58&PAYMENTINFO_0_ERRORCODE=0&PAYMENTINFO_0_ACK=Success