



Loyalty app Demo Application Documentation

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Revision 2

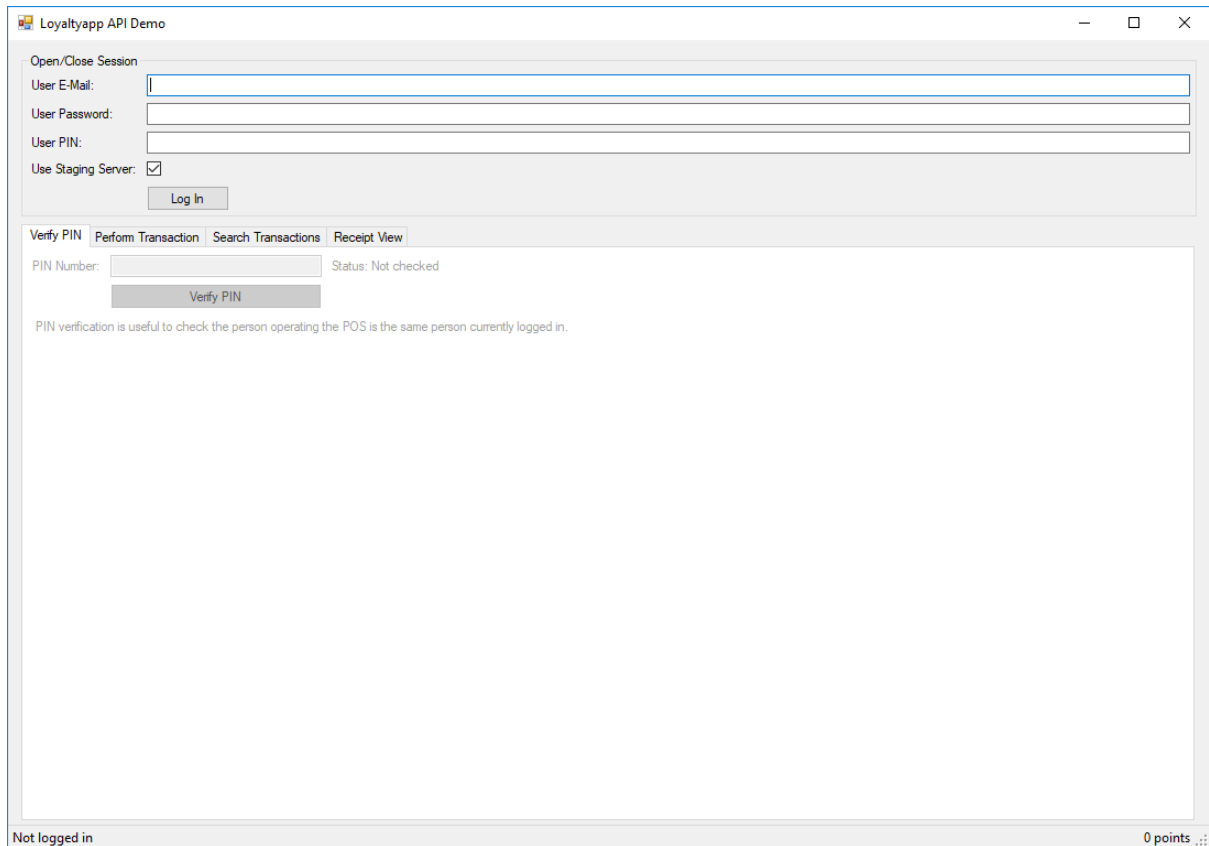
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Introduction

The Loyalty app SDK provides a sample application for testing the API calls and receipt generation options available.



The screenshot shows the 'Loyaltyapp API Demo' application window. It features a 'Log In' section with fields for 'User E-Mail', 'User Password', and 'User PIN', along with a 'Use Staging Server' checkbox and a 'Log In' button. Below this is a tabbed interface with four tabs: 'Verify PIN', 'Perform Transaction', 'Search Transactions', and 'Receipt View'. The 'Verify PIN' tab is active, showing a 'PIN Number' input field, a 'Status: Not checked' label, and a 'Verify PIN' button. A note at the bottom of the tab states: 'PIN verification is useful to check the person operating the POS is the same person currently logged in.' The bottom status bar indicates 'Not logged in' and '0 points'.

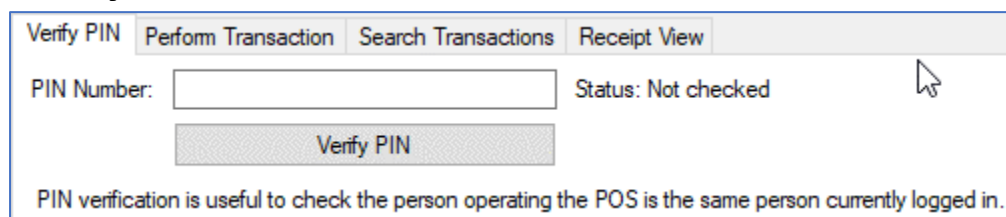
The first step in using the demo app is to log in with your Loyalty app merchant credentials. Fill out the details in the “Open/Close Session” box and click the “Log In” button.

There are three basic functions available from the demo app:

- Verify PIN
- Perform Transaction
- Search Transactions

The demo app will save your user details and current session when you log in or out. This data will be saved in your roaming user profile. This functionality is provided simply as a quality of life function and is not necessary in order to use the Loyalty app API.

Verify PIN



This close-up view of the 'Verify PIN' tab shows the 'PIN Number' input field, the 'Status: Not checked' label, and the 'Verify PIN' button. A mouse cursor is visible over the 'Status: Not checked' text. The explanatory text at the bottom reads: 'PIN verification is useful to check the person operating the POS is the same person currently logged in.'

PIN verification is useful for a POS application to ensure the current operator is the same person currently logged in to the Loyalty app API.

Enter the current user's PIN and click the "Verify PIN" button. The status display should change to show the PIN validation result.

Perform Transaction

The screenshot shows the 'Perform Transaction' tab of the Loyalty app API interface. At the top, there are four tabs: 'Verify PIN', 'Perform Transaction' (which is active), 'Search Transactions', and 'Receipt View'. Below the tabs, the 'Transaction Type' is set to 'Pay with Cash' with a dropdown arrow. To the right, the 'Status' is 'Not executed'. There are three input fields: 'Transaction ID:', 'Amount (\$):', and a large empty box for the 'Generated Transaction:'. Below these fields are three buttons: 'Execute', 'Generate Receipt', and 'Check Status'. At the bottom, there is a text block explaining that transactions are the main way points get issued, redeemed, and refunded, followed by a standard process list and a note about marking transactions as complete.

Transaction Type: Pay with Cash Status: Not executed

Transaction ID:

Amount (\$):

Generated Transaction:

Transactions are the main way points get issued, redeemed, and refunded.

The standard process is as follows:

- 1) The merchant generates a transaction.
- 2) The merchant generates a receipt, or the transaction's "Token" value is somehow displayed to the customer in a QR code.
- 3) The customer scans their QR code with Loyaltyapp on their phone.
- 4) The merchant checks the status of the transactions.

Once the transaction is marked as complete, the merchant can be sure the transaction has occurred.

Transactions are the core of the Loyalty app API. The "Perform Transaction" tab allows you to test creating transactions, exploring transaction properties, and querying transaction statuses.

Using this tab, you may:

- Create a "pay with cash" transaction,
- Create a "pay with points" transaction,
- Create a "refund" transaction,
- Cancel a transaction,
- Generate a receipt/voucher for a transaction, and
- Check the status of a transaction

When creating a transaction, the "Transaction ID" field will be automatically filled out with the new transaction's ID. Depending on which action is selected, you may need to provide a transaction ID and/or a dollar value to use.

Once a transaction is generated, the box to the right of the buttons will show a QR code for you to scan. You can also click "Generate Receipt" to generate a receipt/voucher and display it in the "Receipt View" tab. You may also click "Check Status" to query the transaction's current status.

Search Transactions

Verify PIN Perform Transaction Search Transactions Receipt View

Transaction Type: Any

Transaction State: Any

Start Timestamp: ☐ 14/04/2020 12:00:00 AM

End Timestamp: ☐ 15/04/2020 12:00:00 AM

Search

Generate Receipt

The “Search Transactions” tab allows you to query Loyalty app for any past transactions.

To search for a transaction, enter the criteria using the dropdowns, checkboxes and date/time entries provided. Note the date/time entries are optional and can be enabled using the checkboxes next to the entries.

Once you have entered your search criteria, click the “Search” button to begin the search. Queries that return a lot of results may take several seconds to several minutes to complete. Try to limit your search parameters using the date range entries to reduce the number of records retrieved.