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| Fingertec worldwide sdn bhd |
| Webster SDK |
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| Describe Webster demo function |

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# Webster SDK Introduction

## Requisite Knowledge

In order to use the guide successfully, you should have:

* Installed Webster or TimeTec.
* Terminal which connected to Webster or TimeTec.
* Installed Microsoft Visual Studio 2008 or above OR Microsoft Visual Studio 2008 Express or above.
* Familiar with .NET languages such as C# and VB.

## Webster SDK Table

Following are the tables involved in Webster SDK Functions:

### webster\_terminal

Table to store terminal

### webster\_userinfo

Table to store terminal user information

### webster\_checkinout

Table to store terminal transaction log

### webster\_command

Table to store request toward terminal which triggered from Webster SDK Functions.

Terminal will look up pending request from this table and execute constantly.

### webster\_usertemplate\_fp10

Table to store Webster Vx10.0 fingerprint template

### webster\_usertemplate

Table to store Webster Vx9.0 fingerprint template

# Webster SDK Functions

## General Data Management

### check\_terminal\_log\_user()

[Method]

check\_terminal\_log\_user(conn: MySqlConnection; serialno: String): Bool

[Feature]

Get terminal’s info, user information and transaction log from terminal and insert into table webster\_terminal, webster\_userinfo and webster\_checkinout respectively.

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

[Return Value]

Return true for success, or false for fail

[Affected Table]

webster\_terminal

webster\_userinfo

webster\_checkinout

### clear\_terminal\_all ()

[Method]

clear\_terminal\_all(conn: MySqlConnection; serialno: String): Bool

[Feature]

Clear all data in terminal including user information and transaction log

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

[Return Value]

Return true for success, or false for fail

## Terminal Management

### check\_terminal\_info()

[Method]

check\_terminal\_info(conn: MySqlConnection; serialno: String): Bool

[Feature]

Get terminal info from terminal and insert into table webster\_terminal

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

[Return Value]

Return true for success, or false for fail

[Affected Table]

webster\_terminal

### reboot\_terminal()

[Method]

reboot\_terminal(conn: MySqlConnection; serialno: string): Bool

[Feature]

Reboot terminal

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

[Return Value]

Return true for success, or false for fail

### trigger\_terminal()

[Method]

trigger\_terminal(conn: MySqlConnection; serialno: string): Bool

[Feature]

Trigger terminal to look up pending request from table webster\_command and execute immediately.

This function only works in LAN environment.

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

[Return Value]

Return true for success, or false for fail

## User Management

### upload\_user\_one()

[Method]

upload\_user\_one(conn: MySqlConnection; serialno: string, enrollno: int, name: string, privilege: int, password: string, cardno: long, accgroup: int, u\_timezone: string): Bool

[Feature]

Upload a user to terminal

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

enrollno (required): user id

name: user name

privilege: user privilege represent by integer. Default value is 0.

0 – User

1 – Enroller

2 – Admin

3 – Supervisor

password: user password

cardno: card number. Default value is 0.

accgroup: user group. Default value is 0.

u\_timezone: user timezone. Default value is 00000000

[Return Value]

Return true for success, or false for fail

### db\_delete\_user()

[Method]

db\_delete\_user(conn: MySqlConnection; serialno: string): Bool

[Feature]

Delete all user of given serial number from table webster\_userinfo

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

[Return Value]

Return true for success, or false for fail

[Affected Table]

webster\_userinfo

### delete\_user\_one()

[Method]

delete\_user\_one(conn: MySqlConnection; serialno: string; enrollno: int ): Bool

[Feature]

Delete a user from terminal

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

enrollno (required): user id

[Return Value]

Return true for success, or false for fail

## Template Management

### upload\_fptemplate\_one()

[Method]

upload\_fptemplate\_one(conn: MySqlConnection; serialno: string, enrollno: int, template: string, fingerid: int, valid: int): Bool

[Feature]

Upload a fingerprint template to terminal

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

enrollno (required): user id

template (required): fingerprint template

fingerid: fingerprint sequence id. Default value is 0. Possible value is 0-9.

valid: to indicate whether fingerprint is valid. Default value is 1

[Return Value]

Return true for success, or false for fail

### db\_delete\_fptemplate()

[Method]

db\_delete\_fptemplate(conn: MySqlConnection; serialno: String): Bool

[Feature]

Delete all finger print of given serial number from table webster\_usertemplate\_fp10 and webster\_usertemplate

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

[Return Value]

Return true for success, or false for fail

[Affected Table]

webster\_usertemplate\_fp10

webster\_usertemplate

### delete\_fptemplate\_one()

[Method]

delete\_fptemplate\_one(conn: MySqlConnection; serialno: string; enrollno: int; fingerid: int ): Bool

[Feature]

Delete a fingerprint template from terminal

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

enrollno (required): user id

fingerid (required): fingerprint sequence id. Possible value is 0-9.

[Return Value]

Return true for success, or false for fail

## Transaction Log Management

### clear\_terminal\_log ()

[Method]

clear\_terminal\_log(conn: MySqlConnection; serialno: String): Bool

[Feature]

Clear all transaction log in terminal

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

[Return Value]

Return true for success, or false for fail

### db\_delete\_log()

[Method]

db\_delete\_log(conn: MySqlConnection; serialno: string): Bool

[Feature]

Delete all transaction log of given serial number from table webster\_checkinout

[Parameter Declaration]

conn (required): mysql connection

serialno (required): serial number

[Return Value]

Return true for success, or false for fail

[Affected Table]

webster\_ checkinout