G-Able Line Bot Specification

There are two categories of the main source in the project. The actions are the backend processing of the program and the messages are the various of messages to push or reply to the user with the specific event.

1. System Requirement and Usage

The system requirement, node module installation and usage information are in the README.md

2. Source

2.1 Actions

The method name	handleEvent(type, message, beacon, userId, replyToken, response)
Function	Handle all events from the line events
Parameter	type: message, follow and beacon message: message object with properties of type and text beacon: beacon object with property of type userId: user id information replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	callNextQueue(type, userId, replyToken, response)
Function	Call the next user in queue list
Parameter	type: skip or next userId: user id information replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	joinTheQueue(deptname, userId, replyToken, response)
Function	Join to the queue list
Parameter	deptname: department name userId: user id information replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	postponeTheQueue(deptname, userId, replyToken, response)
Function	Postpone the queue from the list
Parameter	deptname: department name userId: user id information replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	getQueueList(userId, replyToken, response)
Function	Get the queue list webpage link
Parameter	userId: user id information replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	registerStaff(userId, account, replyToken, response)
Function	Register the user to be the staff
Parameter	account: account name for staff authentication system userId: user id information replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	deregisterStaff(userId, replyToken, response)
Function	Deregister the user to be the normal user
Parameter	userId: user id information replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	interactBeacon(hwid, userId, statusid, replyToken, response)
Function	Deregister the user to be the normal user
Parameter	hwid: the beacon hardware id information statusid: 1 for user in the area or 0 for user out of area userId: user id information replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	enableFirstStaffRichMenu(userId, response)
Function	Enable the first page of staff rich menu for specific user id
Parameter	userId: user id information response: the response object of the HTTP request

The method name	enableSecondStaffRichMenu(userId, response)
Function	Enable the second page of staff rich menu for specific user id
Parameter	userId: user id information response: the response object of the HTTP request

The method name	insertUserStatus(deptname, userId, status, response)
Function	Insert the user status to database
Parameter	deptname: department name status: 1 for joined queue, 3 for end of process, 4 for postponed queue and 5 for not coming user userId: user id information response: the response object of the HTTP request

2.2 Messages

The method name	replyWelcomeMessage(replyToken, response)
Function	Reply the welcome message to the specific user
Parameter	replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	replyStaffWelcomeMessage(userId, deptname, replyToken, response)
Function	Reply the welcome message of the staff system to the specific user
Parameter	userId: user id information deptname: department name replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	replySuccessMessage(replyToken, response)
Function	Reply the success message and some information
Parameter	replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	replyJoinTheQueueMessage(deptname, replyToken, response)
Function	Reply the queue information to the user that joined the queue list
Parameter	deptname: department name replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	replyYouAreNextQueue(usernumber, deptname, replyToken, response)
Function	Reply the queue information to the user that is the first of the queue list
Parameter	usernumber: the queue number of the whole system deptname: department name replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	replyOutAreaMessage(hwid, userId, replyToken, response)
Function	Reply the message to warn the user that is out of area
Parameter	hwid: the beacon hardware id information userId: user id information replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	replyMessage(messageText, replyToken, response)
Function	Reply the custom message to specific user
Parameter	messageText: message text replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	replyNormalQueue(usernumber, deptname, remainingqueue, replyToken, response)
Function	Reply the queue information to specific user
Parameter	usernumber: the queue number of the whole system deptname: department name remainingqueue: remaining queue number replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	pushPresentQueueMessage(type, presentusernumber, presentuserid, deptname, response)
Function	Push the message to the present user in the queue list
Parameter	type: skip or next presentusernumber: the queue number of the whole system of the present user in the queue list presentuserid: the user id information of the present user in the queue list deptname: department name response: the response object of the HTTP request

The method name	pushNextQueueMessage(usernumber, nextuserid, deptname, response)
Function	Push the message to the next user in the queue list
Parameter	usernumber: the queue number of the whole system of the next user in the queue list nextuserid: the user id information of the next user in the queue list deptname: department name response: the response object of the HTTP request

The method name	replyNextQueueMessage(nextuserid, replyToken, response)
Function	Reply the next user profile name message to specific user
Parameter	nextuserid: the user id information of the next user in the queue list replyToken: reply token for reply a message to the specific user response: the response object of the HTTP request

The method name	pushAfterNextQueueMessage(usernumber, afternextuserid, deptname, response)
Function	Push the message to the after next user in the queue list
Parameter	usernumber: the queue number of the whole system of the after next user in the queue list afternextuserid: the user id information of the after next user in the queue list deptname: department name response: the response object of the HTTP request

The method name	pushNextAfterNextQueueMessage(usernumber, nextafternextuserid, deptname, response)
Function	Push the message to the next after next user in the queue list
Parameter	usernumber: the queue number of the whole system of the next after next user in the queue list nextafternextuserid: the user id information of the next after next user in the queue list deptname: department name response: the response object of the HTTP request