

Lab Exercise – Add Error-Handling to a Faceplate (Optional)

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This module supports **TotalPlant** Solution (TPS) system network.

TPS is the evolution of TDC 3000^X.

Honeywell Inc.
Industrial Automation and Control
Automation College
2820 West Kelton Lane
Phoenix, AZ 85053-3028
1-800 852-3211

Lab Exercise

Introduction

The following concept lab exercise has you add Error handling to a Faceplate object. This Error handling script displays a prompt to the operator that is similar to one of those that appear in a Native Window's Group or Detail display when an invalid operator entry is made.

For example, a prompt like "Invalid Mode Attribute" is not an error in the classic sense of a runtime error, but is a prompt to the operator that some other prior action is required before making the necessary change.

Objectives

At the end of the lab exercise, you will be able to do the following:

- Add Error handling to the Faceplate object.
- Display an operator prompt that informs the operator of the required operator action.

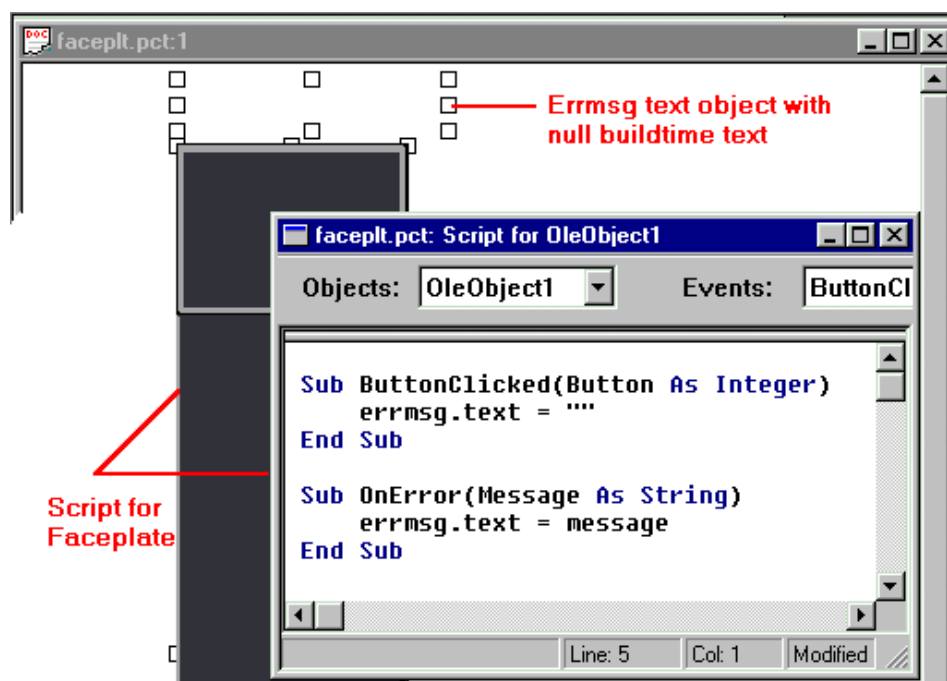
Lab Prerequisites

Before you begin this practice exercise, make sure that your LCN Native Window is running and connected to the LCN. Your training center already has the custom backplane modules configured and loaded into your GUS.

If you are performing this practice exercise at a customer site, be sure that YGOCX, GUSALA, GUSALAG are configured in your NCF, otherwise your Faceplate control will not operate at runtime. If the custom backplane modules are not loaded into your remote GUS, you will need assistance from your site's TPS or NT administrator.

Design Criteria

A script similar to the following can be used to support error handling.



Lab Procedure

Step	Action
1.	Using your GUS Display Builder, open a new GUS display.
2.	Use the Insert ActiveX Control tool button to insert a Honeywell GUS Faceplate Control (about 125 x 555 pixels).
3.	Select the faceplate's property page and insert a tagname for it to control. Note: Enter just the tagname; don't enter the "LCN" prefix.
4.	Add a text object above or to the right of the Faceplate object (see the graphic in <i>Design Criteria</i>). It will be used to support an error handler message.
5.	Select the text object's General property page and rename the text object to " errmsg " so it can be referenced by the faceplate. While still on the property page, click the Text tab and delete the default text entry of "Static" so the entry is blank. Click OK .
6.	Save the display as Faceplate_Err.pct into your Student folder.
7.	Add script to the faceplate object as shown in the lab's Design Criteria section. Syntax check your script.
8.	Validate and save your display.
9.	Run your display. Make changes to your Faceplate's parameters that would cause an error (for example, change setpoint in the wrong mode). Expected Result: The desired changes do not occur and an error message prompt appears on the text object.

End of Lab Exercise

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