

Table of Contents

INTRODUCTION	2
UDF OVERVIEW	3
LAB 1 – CREATING A UDF	4
LAB 2 – CUSTOMIZING PANELS WITH A UDF	8
LAB 3 – MORE ABOUT CUSTOMIZING PANELS	12
UDT OVERVIEW	17
LAB 4 – CREATING A UDT	18
LAB 5 – CUSTOMIZING PANELS WITH A UDT	21
BUSINESS OBJECTS	27
HEADER SCRIPTING	29
LAB 6 – AUTOMATICALLY POPULATING FIELDS	31
DETAIL SCRIPTING	35
LAB 7 – VALIDATING A UDF	36
LAB 8 – MODIFYING FIELDS WITH SCRIPTING	39
LAB 9 – ADDING LINE DETAILS	43
EXTERNAL SCRIPTING	48
LAB 10 – CRYSTAL INTEGRATION	49
LAB 11 – IMPORTING DATA FROM AN EXTERNAL FILE	54
COMMON ERRORS	57
LAB SOLUTIONS	58
LAB 6	58
LAB 7	59
LAB 8	60
LAB 9 PART 1	61
LAB 9 PART 2	61
LAB 11	62

Introduction

Welcome to the Business Objects training class. This course is divided into brief concept descriptions and supplemented by a series of labs that progress in difficulty. The curriculum is designed to make it possible to be used as a self study tool, but should be taught by a certified trainer to get the most out of the course.

Business objects allow you to modify the internal data of Sage 100 to work for you, allowing you to increase your productivity and streamlining your workflow. The ideas behind business objects work in a platform independent manner, allowing you to integrate Sage 100 into other programs seamlessly.

The curriculum is intended to help you meet the following objectives:

- Learn how to create a User-Defined Field
- Learn how to customize panels with UDFs
- Learn how to create User-Defined Tables
- Learn how to validate fields using UDTs
- Learn how to read data from tables
- Learn how to write data to tables
- Learn how to pass information from Sage 100 to Crystal
- Learn how to execute logic on form events (i.e. on button click)

Limited programming knowledge is helpful, but not required.

Note: Before beginning this course, make sure *Allow External Access* is checked on the *Preferences* tab in *Company Maintenance*. This will allow you to interact with Sage 100 outside of the standard ProvideX codebase.