BC425

Enhancements and Modifications

COURSE OUTLINE

Course Version: 18
Course Duration:

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Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation	
Demonstration	
Procedure	
Warning or Caution	
Hint	
Related or Additional Information	
Facilitated Discussion	
User interface control	*Example text*
Window title	*Example text*

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Preparing for Your SAP Live Class

Required Equipment for Your SAP Live Class

- PC or Mac
- Integrated or external web cam
- Headset with integrated mic
- Stable internet connection

You can test if your setup is working correctly by using this link: https://sap.zoom.us/test

We recommend that you connect two monitors to your PC so that you can manage the course content more efficiently. This will reduce the need for you to switch (alt+tab) between the applications we use in class.

Getting the Most Out of Your SAP Live Class

- Make sure you have setup and thoroughly tested the SAP Live Class environment and resolved any issues well before the class begins. Refer to the separate instructions that you were sent for setup instructions and support contact information.
- Keep your web cam activated during the training sessions. You can switch it off during breaks if you prefer.
- Use a headset with an integrated mic to ensure a high-quality audio experience for both you and the other participants. Laptop speakers and mic produce poor quality sound and introduce background noise that can disturb the class.
- Make sure you are in a quiet area where you will not be disturbed.
- Be ready to use the mute feature to ensure any background noise does not disturb the class.
- Turn off email, phones, instant messaging tools, and clear other distractions away from your training area.
- Actively participate and prepare to be called on by name.
- Be patient waiting for a response to your chat messages.
- Always ask the instructor for assistance if you need help with an exercise. Don't get left behind.
- Be ready to begin class on time so you do not delay the start of each session.
- During breaks, make sure you take the opportunity to get out of your chair and stretch.
- Please raise any concerns relating to the SAP Live Class experience with your instructor at the time they arise so that they can be quickly addressed.

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Developer
- Development Consultant

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UNIT 1 Adjustment of SAP Standard Software

Lesson 1: Adjusting SAP Standard Software

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the options for adjusting the SAP standard system

Lesson 2: Describing Classic Enhancement Types

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the enhancement types

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UNIT 2 Personalization

Lesson 1: Implementing Transaction Variants

Lesson Objectives

After completing this lesson, you will be able to:

- Personalize transactions
- Personalize transactions using variants
- Personalize transactions using GuiXT

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UNIT 3 Enhancement of Dictionary Elements

Lesson 1: Enhancing Tables Using Append Structures and Customizing Includes

Lesson Objectives

After completing this lesson, you will be able to:

- Enhance tables by using append structures
- Enhance tables by using Customizing Includes

Lesson 2: Enhancing Texts of Data Elements

Lesson Objectives

After completing this lesson, you will be able to:

- Enhance texts of data elements

Lesson 3: Enhancing SAP Standard Search Helps

Lesson Objectives

After completing this lesson, you will be able to:

- Enhance standard search helps with append search helps

Lesson 4: Enhancing Other ABAP Dictionary Objects

Lesson Objectives

After completing this lesson, you will be able to:

- Create extension indexes for SAP tables
- Add additional fixed values to SAP domains without making modifications

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UNIT 4 Customer Exits

Lesson 1: Describing Enhancement Projects

Lesson Objectives

After completing this lesson, you will be able to:

- Describe enhancement projects
- Create enhancement projects

Lesson 2: Enhancing Programs Using Program Exits

Lesson Objectives

After completing this lesson, you will be able to:

- Enhance code using program exits
- Implement exit function groups

Lesson 3: Enhancing Menus Using Menu Exits

Lesson Objectives

After completing this lesson, you will be able to:

- Enhance menus using menu exits

Lesson 4: Enhancing Screens Using Screen Exits

Lesson Objectives

After completing this lesson, you will be able to:

- Enhance screens using screen exits

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UNIT 5 Business Transaction Events

Lesson 1: Implementing Business Transaction Events (BTEs)

Lesson Objectives

After completing this lesson, you will be able to:

- Explain business transaction events
- Implement Business Transaction Events

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UNIT 6 Classic Business Add-Ins

Lesson 1: Describing an ABAP Objects Interface

Lesson Objectives
After completing this lesson, you will be able to:

- Describe an ABAP Objects interface

Lesson 2: Describing Classic Business Add-Ins (BAdIs)

Lesson Objectives
After completing this lesson, you will be able to:

- Describe classic Business Add-Ins (BAdIs)

Lesson 3: Enhancing Programs Using Classic BAdIs

Lesson Objectives
After completing this lesson, you will be able to:

- Enhance programs by using classic BAdIs

Lesson 4: Enhancing Screens Using Classic Business Add-In (BAdI) Screen Exits

Lesson Objectives
After completing this lesson, you will be able to:

- Describe classic BAdI screen exits
- Implement classic BAdI screen exits

Lesson 5: Explaining Additional Details of Business Add-Ins (BAdIs)

Lesson Objectives
After completing this lesson, you will be able to:

- Explain additional details of BAdIs

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UNIT 7 New Business Add-Ins

Lesson 1: Describing the Change from Classic BAdIs to New BAdIs

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the Integration of BAdIs into the Enhancement Framework

Lesson 2: Using New Business Add-In (BAdI) Program Exits

Lesson Objectives

After completing this lesson, you will be able to:

- Implement New BAdI Program Exits

Lesson 3: Using New Business Add-In (BAdI) Menu Exits

Lesson Objectives

After completing this lesson, you will be able to:

- Implement New BAdI Menu Exits

Lesson 4: Using New Business Add-In (BAdI) Screen Exits

Lesson Objectives

After completing this lesson, you will be able to:

- Implement New BAdI Screen Exits

Lesson 5: Using New Business Add-Ins (BAdIs)

Lesson Objectives

After completing this lesson, you will be able to:

- Define New BAdIs

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UNIT 8 Explicit Enhancement Options

Lesson 1: Describing the Enhancement Framework

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the enhancement options available in the Enhancement Framework
- Describe Enhancement Spots

Lesson 2: Using Explicit Enhancements

Lesson Objectives

After completing this lesson, you will be able to:

- Use explicit enhancements

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UNIT 9 Implicit Enhancements

Lesson 1: Explaining Implicit Enhancements

Lesson Objectives
After completing this lesson, you will be able to:

- Describe implicit enhancements

Lesson 2: Implementing Implicit Enhancements in Function Modules

Lesson Objectives
After completing this lesson, you will be able to:

- Use Implicit Enhancements in SAP function modules

Lesson 3: Implementing Implicit Enhancements in Global SAP Classes

Lesson Objectives
After completing this lesson, you will be able to:

- Use implicit enhancements in global SAP classes

Lesson 4: Using Other Implicit Enhancements

Lesson Objectives
After completing this lesson, you will be able to:

- Use implicit enhancements in local SAP classes
- Use implicit enhancements in SAP programs
- Use Implicit Enhancements in existing enhancement implementations

Lesson 5: Using Composite Enhancements

Lesson Objectives
After completing this lesson, you will be able to:

- Use composite enhancements

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UNIT 10

Modifications of the SAP Standard Application

Lesson 1: Modifying SAP Standard Software

Lesson Objectives

After completing this lesson, you will be able to:

- Implement modifications

Lesson 2: Modifying Applications using the Modification Assistant

Lesson Objectives

After completing this lesson, you will be able to:

- Implement modifications using the Modification Assistant

Lesson 3: Implementing User Exits

Lesson Objectives

After completing this lesson, you will be able to:

- Implement modifications using user exits

Lesson 4: Adjusting Modifications

Lesson Objectives

After completing this lesson, you will be able to:

- Adjust modifications

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UNIT 11

Adjustment of Enhancement Implementations

Lesson 1: Adjusting Enhancement Implementations

Lesson Objectives

After completing this lesson, you will be able to:

- Adjust an enhancement implementation
- Migrate Classic BAdIs

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UNIT 12 The Switch Framework

Lesson 1: Using the Switch Framework

Lesson Objectives

After completing this lesson, you will be able to:

- Use the Switch Framework to activate and deactivate enhancement implementations

Lesson 2: Resolving Conflicts Using the Switch Framework

Lesson Objectives

After completing this lesson, you will be able to:

- Resolve Conflicts Using Conflict Switches

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UNIT 13

Options for SAP Standard Software Changes

Lesson 1: Comparing Options for Changes to SAP Standard Software

Lesson Objectives

After completing this lesson, you will be able to:

- Describe when different change techniques should be used

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UNIT 14

Legacy Enhancement Techniques

Lesson 1: Describing Legacy Enhancement Techniques

Lesson Objectives

After completing this lesson, you will be able to:

- Identify legacy enhancement techniques

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