

Objectifs

Describe PeopleSoft application design and the technology behind this process Navigate PeopleSoft applications Describe the elements of PeopleSoft Pure Internet Architecture Describe PeopleSoft data organization and validation Implement the eight steps of application development Describe additional application development considerations Search and audit application data Organize definitions into projects Demonstrate competence in PeopleSoft application development methodology Apply PeopleSoft Design Methodology in developing applications Create and use views as the basis for summary pages, search records, and prompt tables Explain and implement table set sharing Create records and pages that maintain parent child relationships Create and use sub records and sub pages in an application Write PeopleCode programs to satisfy business requirements and enhance applications Enhance application and page functionality using advanced PeopleTools features, such as images, links, and deferred processing

Participants

Analystes système Application Developers Consultant Technique Developer Développeurs Développeurs Forms Développeurs d'applications Forms Developer Ingénieurs support Support Engineer System Analysts Technical Administrator Technical Consultant

Prérequis

Cours pré-requis conseillé(s) General knowledge of Windows environment General knowledge of relational database system

Pédagogie

La pédagogie est basée sur le principe de la dynamique de groupe avec alternance d'apports théoriques, de phases de réflexion collectives et individuelles, d'exercices, d'études de cas et de mises en situations observées. Formation / Action participative et interactive : les participants sont acteurs de leur formation notamment lors des mises en situation car ils s'appuient sur leurs connaissances, les expériences et mettront en oeuvre les nouveaux outils présentés au cours de la session.

Profil de l'intervenant

Consultant-formateur expert sur cette thématique. Suivi des compétences techniques et pédagogiques assurée par nos services.

Moyens techniques

Encadrement complet des stagiaires durant la formation. Espace d'accueil, configuration technique des salles et matériel pédagogique dédié pour les formations en centre. Remise d'une documentation pédagogique papier ou numérique à échéance de la formation.

Méthodes d'évaluation des acquis

Exercices individuels et collectifs durant la formation. Evaluation des acquis et attestation de fin de stage adressés avec la facture.

Programme

PeopleTools I-PeopleTools II - Accelerated Rel 8.50

5 jours - 35 heures

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Pédagogie

The PeopleTools I portion of the course introduces the PeopleSoft application development methodology. This part of the course provides a general description of PeopleSoft system architecture and the tool set used to develop new or customize existing PeopleSoft applications. The PeopleTools II portion of the course expands on the skills acquired in PeopleTools I. In this part of the course, students gain advanced development and troubleshooting experience as they create applications that incorporate complex features such as views, multiple occurs levels, tableset sharing, ubrecords, subpages, links, style sheets, and PeopleCode. Students receive hands-on experience with the PeopleSoft Application Designer to create and modify PeopleSoft definitions such as fields, records, pages, and components. This course covers the content of the PeopleTools I and PeopleTools II Rel 8.50 courses - please see the individual course descriptions for a comprehensive list of the topics covered. Learn To: Develop new and customize existing Create and deploy a PeopleSoft Enhance application and page Create and use sub records and sub page Create and modify PeopleSoft definitions Create and use views

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Programme

Explaining PeopleSoft Architecture

Describing PeopleSoft Databases

Explaining Data Transfer in PeopleSoft Pure Internet Architecture

Identifying Requirements for the Development Environment

Using Views in PeopleSoft Applications

Stating the Purposes of Views

Writing SQL Statements to Retrieve Data

Creating PeopleSoft SQL Views

Creating PeopleSoft Query Views

Creating Summary Pages Using Views

Explaining the Purpose of Summary Pages

Creating Summary Pages Based on PeopleSoft Views

Determining the Key Structure for a Summary View

Determining the Key Structure for a Summary View

Explaining the Role of Search Records in Components

Using Views to Provide Additional Search Criteria

Implementing the Add Search Record in a Component

Using Views as Prompt Table Edits

Setting Up a Prompt Table Edit that Uses a View

Explaining the Mechanics of Prompting

Creating Views that Take Advantage of Prompting Mechanics

Explaining TableSet Sharing

Explaining the Functional Aspects of TableSet Sharing

Explaining the Technical Aspects of TableSet Sharing

Implementing TableSet Sharing

Creating Parent-Child Relationships

Explaining Methods That Enforce Referential Integrity

Creating Parent-Child Record Definitions

Enforcing Parent-Child Relationships on Page Definitions

Creating Subrecords and Subpages

Stating the Purpose of Subrecords

Creating and Maintaining Subrecords

Stating the Purpose of Subpages

Creating and Maintaining Subpages

Identifying the Caveats for Using Subrecords and Subpages

Using Deferred Processing

Explaining the Purpose of the Application Server

Distinguishing Between Processing Modes

Changing the Processing Mode of a Definition

Introducing PeopleCode in an Application

Explaining the Purpose of PeopleCode

Accessing PeopleCode Programs

Identifying Elements of PeopleCode Syntax

Using PeopleCode to Validate User Input

Managing PeopleCode Programs Using Comments

Creating Error Messages Using the Message Catalog

Using FieldEdit, SaveEdit, RowInit, and FieldChange PeopleCode

Using PeopleCode to Manipulate Fields

Using Objects in PeopleCode

Defining Object-Oriented Terms

Using the Field Object to Satisfy Business Rules

Identifying Requirements for the Development Environment

Describing the PeopleSoft Application Development Process

Describing the PeopleSoft Application Designer Interface

Organizing Definitions in a Project

Using Images in PeopleSoft Applications

Implementing Image Definitions

Implementing Image Field Definitions

Retrieving Images with PeopleCode

Differentiating Between Image Definitions and Image Fields

Designing Pages Using Style Sheets

Viewing Relationships Between Style Sheet Elements

Overriding the System Style Sheet

Using PeopleCode to Modify the Style Property of a Field Object

Designing More Advanced Pages

Using the Message Catalog in Page Design

Creating Pages with Alternate Data Displays

Creating Links to Internal and External Pages

Designing the Application

Planning the Application

Determining Functional Specifications

Determining Technical Specifications

Describing the Training Application

The Steps of Development

Defining Fields

Creating Record Definitions

Building SQL Tables

Creating Page Definitions

Defining and Registering Components

Testing an Application

Editing the Registry Structure

Creating Menu Definitions

Analyzing the Impact of Design Changes

Determining Relationships Among Definitions

Synchronizing Record Definitions and Database Tables

Incorporating Upgrades in the Development Strategy

Searching Applications by Using the Verity Search Engine

Describing and Performing a Verity Search

Generating a Registry Search Collection

Adding Keywords to a Search Collection

Performing Data Audits

Discussing Advantages and Disadvantages of Implementing Audits

Implementing Field-Level Audits

Implementing Record-Level Audits

Importing and Exporting Projects

Describing How Projects Transport Definitions Between Databases

Exporting Projects

Importing Projects and Building Tables

Applying Advanced Design Concepts

Explaining the PeopleSoft Design Methodology

Evaluating a Potential Change to an Application

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