PeopleSoft Application Developer I: PeopleTools & PeopleCode – Exam Study Guide

The *PeopleSoft Application Developer I: PeopleTools & PeopleCode Exam Study Guide* is designed to highlight the training options mapped to each exam topic to guide students in their preparation to pass the *PeopleSoft Application Developer I: PeopleTools & PeopleCode Exam (1Z0-241)*.

The exam objectives are defined by learner or practitioner level of knowledge.

*Learner-level*: questions require the candidate to recall information to derive the correct answer  
*Practitioner-level*: questions require the candidate to derive the correct answer from an application of their knowledge

For each exam topic there have been identified alternative training options that are available at Oracle. Please note that some of the training recommended can cover multiple exam topics.

The exam covers 50 topics:

**PeopleTools I**

**Topic 1: Navigating PeopleSoft Applications**

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access, enter and modify information in PeopleSoft applications</td>
<td>Learner</td>
</tr>
<tr>
<td>Use PeopleBooks to find information</td>
<td>Learner</td>
</tr>
</tbody>
</table>

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - [PeopleSoft PeopleTools I Rel 8.50](#)
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - [PeopleSoft PeopleTools Implementation Boot Camp](#)
- Online Training
  - [Getting Started with PeopleTools](#)

**Topic 2: Explaining PeopleSoft Architecture**

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Describe the structure of PeopleSoft databases</td>
<td>Learner</td>
</tr>
<tr>
<td>Explain basic data transfer in PeopleSoft Pure Internet Architecture</td>
<td>Learner</td>
</tr>
<tr>
<td>Identify the requirements for the development environment</td>
<td>Learner</td>
</tr>
</tbody>
</table>

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - [PeopleSoft PeopleTools I Rel 8.50](#)
Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 3: Organizing Data. Validating Data**

**Objectives**
- Given a scenario, select the appropriate validation type in PeopleSoft applications

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 4: Developing Applications by Using the Eight Steps**

**Objectives**
- Explain the steps of PeopleSoft application development

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 5: Designing the Application. Defining Fields**

**Objectives**
- Use Application Designer to create and manage field definitions
- Use Application Designer to create and manage translate values

**Level**
- Practitioner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 6: Creating Record Definitions**

**Objectives**

**Level**

Use Application Designer to create and manage record definitions

Training Options

- Instructor Led Training (delivered by Oracle University)
  - [PeopleSoft PeopleTools | Rel 8.50](#)
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - [PeopleSoft PeopleTools Implementation Boot Camp](#)

Topic 7: Building SQL Tables

Objectives

Use Application Designer to create and maintain database structures

Level

Practitioner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - [PeopleSoft PeopleTools | Rel 8.50](#)
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - [PeopleSoft PeopleTools Implementation Boot Camp](#)

Topic 8: Creating Page Definitions

Objectives

Use Application Designer to create and manage page definitions

Level

Practitioner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - [PeopleSoft PeopleTools | Rel 8.50](#)
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - [PeopleSoft PeopleTools Implementation Boot Camp](#)

Topic 9: Defining Components

Objectives

Use Application Designer to create and manage component definition

Level

Practitioner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - [PeopleSoft PeopleTools | Rel 8.50](#)
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - [PeopleSoft PeopleTools Implementation Boot Camp](#)
Topic 10: Registering Components

Objectives
Use Application Designer to register a component definition

Level
Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 11: Testing an Application

Objectives
Test and troubleshoot common development errors in basic applications

Level
Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 12: Editing the Registry Structure

Objectives
Manage Portal Registry structures (Manage the PeopleSoft Portal Registry)

Level
Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 13: Creating Menu Definitions

Objectives
Use Application Designer to create and manage menu definitions

Level
Practitioner

Training Options
Topic 14: Analyzing the Impact of Design Changes

Objectives
Identify the impact of changing definition properties on an application

Level
Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 15: Building Applications. Searching Applications by Using the Verity Search Engine

Objectives
- Use the Verity Search engine to search PeopleSoft applications
- Create and maintain a Verity search collection

Level
Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 16: Performing Data Audits

Objectives
Use Application Designer to audit PeopleSoft applications

Level
Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 17: Importing and Exporting Projects
Objectives
Use Application Designer to create and manage projects

Level
Practitioner

Training Options

○ Instructor Led Training (delivered by Oracle University)
  ▪ PeopleSoft PeopleTools I Rel 8.50

○ Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  ▪ PeopleSoft PeopleTools Implementation Boot Camp

PeopleTools II

Topic 18: Using Views in PeopleSoft Applications

Objectives
Use Application Designer to create and maintain SQL views
Use Application Designer to create and maintain Query views

Level
Practitioner

Training Options

○ Instructor Led Training (delivered by Oracle University)
  ▪ PeopleSoft PeopleTools I Rel 8.50

○ Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  ▪ PeopleSoft PeopleTools Implementation Boot Camp

Topic 19: Creating Summary Pages Using Views

Objectives
Use Application Designer to create and manage summary pages

Level
Practitioner

Training Options

○ Instructor Led Training (delivered by Oracle University)
  ▪ PeopleSoft PeopleTools I Rel 8.50

○ Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  ▪ PeopleSoft PeopleTools Implementation Boot Camp

Topic 20: Creating and Using Search Records

Objectives
Create and manage component search records
Create and manage component add search records

Level
Practitioner

Training Options

○ Instructor Led Training (delivered by Oracle University)
Topic 21: Using Views as Prompt Table Edits

Objectives
Create and manage views that take advantage of prompting mechanics

Level
Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
- PeopleSoft PeopleTools Implementation Boot Camp

Topic 22: Explaining TableSet Sharing

Objectives
Set up and maintain TableSet sharing

Level
Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
- PeopleSoft PeopleTools Implementation Boot Camp

Topic 23: Creating Parent-Child Relationships

Objectives
Use Application Designer to enforce referential integrity

Level
Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
- PeopleSoft PeopleTools Implementation Boot Camp

Topic 24: Explaining Buffer Allocation
### Objectives
**Describe buffer allocation and its impact on performance**

#### Level
Learner

### Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

### Topic 25: Creating Sub records and Sub pages

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creating Sub records and Sub pages</td>
<td>Practitioner</td>
</tr>
<tr>
<td>Create and maintain sub pages</td>
<td>Practitioner</td>
</tr>
</tbody>
</table>

#### Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

### Topic 26: Using Deferred Processing

<table>
<thead>
<tr>
<th>Objectives</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choose a processing mode based on a given scenario</td>
<td>Learner</td>
</tr>
</tbody>
</table>

#### Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

### Topic 27: Introducing PeopleCode in an Application

#### Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp
**Topic 28: Using Objects in PeopleCode**

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 29: Creating Custom Objects with Application Classes**

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 30: Using Images in PeopleSoft Applications**

**Objectives**

| Use Application Designer to manage image definitions | Practitioner |
| Use Application Designer to manage image field definitions | Practitioner |

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 31: Designing Pages Using Style Sheets**

**Objectives**

| Use Application Designer to manage stylesheet definitions | Practitioner |
| Apply stylesheets in PeopleSoft applications | Practitioner |

**Training Options**

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
Topic 32: Designing More Advanced Pages

Objectives
- Create, maintain, and use message catalog entries
- Use Application Designer to create and maintain hyperlinks on pages

Level
- Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools Implementation Boot Camp
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

PeopleCode

Topic 33: Technology Overview

Objectives
- Explain how PeopleCode is used

Level
- Learner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools Implementation Boot Camp
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 34: Using PeopleCode Development Tools

Objectives
- Choose the best PeopleTools definition with which to associate a program
- Use the PeopleCode Editor locate, open, create, and edit programs
- Use the PeopleCode debugger to observe program execution

Level
- Learner
- Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools Implementation Boot Camp
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 35: Describing the Component Processor
Objectives

- Trace the Component Processor flow
- Identify PeopleCode search events
- Identify PeopleCode component build events
- Identify PeopleCode field action events
- Identify PeopleCode row action events
- Identify PeopleCode save action events

Level

- Learner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools | Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 36: Writing PeopleCode Programs

Objectives

- Write PeopleCode statements
- Use conditional statements
- Use looping statements

Level

- Learner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools | Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 37: Understanding PeopleCode Events

Objectives

- Match PeopleCode programs to the correct events

Level

- Learner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools | Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 38: Using PeopleCode Variables

Objectives

- Level
Create user-defined PeopleCode variables
Use system variables
Incorporate derived/work fields into PeopleSoft applications

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 39: Using Built-In Functions

Objectives
Use built-in functions

Level
Learner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 40: Writing PeopleCode Functions

Objectives
Write external PeopleCode functions

Level
Learner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 41: Explaining the Component Buffer

Objectives
Determine the order of execution of PeopleCode programs based on buffer allocation rules

Level
Learner

Training Options

- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 42: Accessing Data in the Component Buffer**

**Objectives**
- Process rows in the component buffer using loops

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 43: Programming With Object-Oriented PeopleCode**

**Objectives**
- Write object-oriented PeopleCode programs

**Level**
- Learner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 44: Referencing Data in the Component Buffer**

**Objectives**
- Define the data buffer classes
- Instantiate the data buffer access classes
- Traverse the data buffer

**Level**
- Learner
- Practitioner

**Training Options**
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools I Rel 8.50
- Instructor Led Training (delivered by Oracle University, a qualified Delivery Partner, or by a qualified Partner for internal use)
  - PeopleSoft PeopleTools Implementation Boot Camp

**Topic 45: Creating Custom Objects with Application Classes**
<table>
<thead>
<tr>
<th>Topic</th>
<th>Objectives</th>
<th>Level</th>
<th>Training Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using Data Buffer</td>
<td>Use object-oriented methods manipulate the data buffer</td>
<td>Learner</td>
<td>Instructor Led Training (delivered by Oracle University)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- PeopleSoft PeopleTools</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Instructor Led Training (delivered by Oracle University, a qualified Delivery</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Partner, or by a qualified Partner for internal use)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- PeopleSoft PeopleTools Implementation Boot Camp</td>
</tr>
<tr>
<td>Executing SQL in</td>
<td>Use SQL to read and modify data tables</td>
<td>Learner</td>
<td>Instructor Led Training (delivered by Oracle University)</td>
</tr>
<tr>
<td>PeopleCode</td>
<td></td>
<td></td>
<td>- PeopleSoft PeopleTools</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Instructor Led Training (delivered by Oracle University, a qualified Delivery</td>
</tr>
<tr>
<td></td>
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<td>Partner, or by a qualified Partner for internal use)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- PeopleSoft PeopleTools Implementation Boot Camp</td>
</tr>
<tr>
<td>Query, Crystal and</td>
<td>Use PeopleSoft Query Manager to extract information from PeopleSoft</td>
<td>Learner</td>
<td>Instructor Led Training (delivered by Oracle University)</td>
</tr>
<tr>
<td>Process Scheduler</td>
<td>application data tables</td>
<td></td>
<td>- PeopleSoft PeopleTools</td>
</tr>
<tr>
<td></td>
<td>Use Query Access Groups to secure and access record definitions</td>
<td></td>
<td>Instructor Led Training (delivered by Oracle University, a qualified Delivery</td>
</tr>
<tr>
<td></td>
<td>Create, edit, and manage queries using Query Manager</td>
<td></td>
<td>Partner, or by a qualified Partner for internal use)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- PeopleSoft PeopleTools Implementation Boot Camp</td>
</tr>
</tbody>
</table>
Instructor Led Training (delivered by Oracle University)
- PeopleSoft PeopleTools I Rel 8.50
- PeopleSoft PeopleTools Implementation Boot Camp

Topic 49: Crystal

Objectives
- Configure Crystal Reports to use PeopleSoft application data
- Create and manage reports in Crystal Reports for PeopleSoft
- Schedule and distribute Crystal Reports by using the PeopleSoft Process Scheduler

Level
- Learner
- Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools Implementation Boot Camp

Topic 50: Process Scheduler

Objectives
- Configure and run a process using PeopleSoft Process Scheduler
- Use the Process Monitor to assess the status of a process
- Create, edit, and manage the elements of a process

Level
- Learner
- Practitioner

Training Options
- Instructor Led Training (delivered by Oracle University)
  - PeopleSoft PeopleTools Implementation Boot Camp

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