

# Retail Pro 9 Reports Engineer (RPRE) Exam

## Preparation Guide

### OVERVIEW

Candidates should use this preparation guide to prepare for the **Retail Pro 9 Reports Engineer (RPRE) Certification Exam**. Retail Pro International, LLC does not identify the format in which the exam will be presented, but this preparation guide is intended for the candidate to use regardless of the exam format.

**Note:** This preparation guide is subject to change at any time without prior notice and at the sole discretion of Retail Pro University and Retail Pro International, LLC.

### ***About this Exam***

The Retail Pro 9 Reports Engineer (RPRE) Certification Exam will measure your knowledge of viewing and customizing reports for Retail Pro 9. This exam starts with database fundamentals and progresses in complexity to include modifications to a report's SQL Select statement residing within a stored procedure. The exam culminates in the creation of an enhanced custom report.

This certification exam includes both a written exam and practical assessment:

- The written exam assesses your overall competency in several different areas. You must score a minimum of 80% (across all competencies) in order to pass the certification exam

Written Exam Duration: 2 hours

- The practical assessment is designed to test your ability to use Report Viewer, Crystal Reports XI and PL/SQL Developer to create custom reports

Practical Exam Duration: 3 hours

### SKILLS MEASURED

The competencies listed below are being addressed in the written exam and/or practical assessment and include the use of the following applications:

- Retail Pro 9 Report Viewer
- Crystal Reports XI
- PL/SQL Developer

For more detailed information, review the study guide associated with this certification exam.

### ***Competency 1 – Understanding Database Fundamentals***

- Defining the terms used in association with an Oracle RDBMS
- Describing the functions, purposes and characteristics of an RDBMS and its components
- Identifying the general structure of a relational database

## **Competency 2 – Filtering and Viewing Reports in Report Viewer**

- Understanding the “general” rules/guidelines/concepts/strengths of Report Viewer
- Understanding the different report categories
- The mechanics of filtering a report
- Functionality while Viewing a report
- Registering/Un-registering a report

## **Competency 3 – Using Crystal Reports to Enhance Reports**

- Understanding the “general” guidelines/purposes/strengths of Crystal Reports and its report designer tools/objects
- Working in the Design tab’s different report sections
- Viewing/changing the report’s data source
- Filtering and previewing a report
- Creating and formatting a new custom report from a Retail Pro pre-defined report
- Selecting Records
- Sorting a report
- Grouping a report
- Summarizing data on the report

## **Competency 4 – Querying the Database using SQL**

- Understanding SQL, its purposes and benefits
- Composing queries using the SQL SELECT statement
- Using PL/SQL Developer to query tables in the Retail Pro database
- Understanding and recognizing the different types of table joins

## **Competency 5 – Modifying a Stored Procedure within a PL/SQL Package**

- Understanding concepts and definitions relating to PL/SQL Packages and Stored Procedures
- Navigating Packages in PL/SQL Developer
- Creating a new PL/SQL Package in the Retail Pro database
- Modifying a stored procedure residing within a package – the process
- Modifying a Dynamic SQL Select Statement
- Adding a field to a stored procedure’s Select statement
- Sorting and grouping fields within the Select statement
- Changing the stored procedure a report references using Crystal Reports
- Adapting a report using Crystal Reports to changes in the Retail Pro database
- Registering a custom report in Report Viewer

## **Competency 6 – Distributing Custom Reports**

- Understanding the mechanics of distributing reports with or without an associated custom package
- Using the Retail Pro Tools to automatically register a report

## **PREPARATION TOOLS AND RESOURCES**

Even though there are no prerequisites for this certification exam, you may find the following resources useful when preparing for the exam:

## **Online Courses**

- Retail Pro 9 - Customizing Reports

## **Classroom Training**

- Retail Pro 9 - Customizing Reports

## **Online Resources/Reference Materials**

- Oracle Database Concepts – <http://www.oracle.com/pls/db111/homepage> - under Supporting Documentation
- SQL Language Reference - <http://www.oracle.com/pls/db111/homepage> - under Supporting Documentation
- PL/SQL Developer User's Guide – start application and select "Help > User's Guide"
- RPRE\_Study Guide.doc - Retail Pro University