

# Oracle Application Express Workshop I

Course code: D79653

In the Oracle Application Express Workshop I, discover how to develop database-centric web applications quickly using Oracle Application Express. Learn from expert Oracle University instructors through interactive learning, which includes hands-on exercises. By investing in this course, you'll discover how Oracle Application Express allows you to create database applications using desktop and mobile interfaces. You'll also learn how to enhance your application by adding various components like reports, forms, items, dynamic actions, calendars, charts, plug-ins and other shared components required in an application.

Affiliate	Duration	Course price	ITB
Praha	5	66 400 Kč	75
Brno	5	66 400 Kč	75
Bratislava	5	2 595 €	75

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
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The prices are without VAT.

## What we teach you

- Create a database application for both desktop and mobile interfaces.
- Add various components like new pages, reports regions, items and other components required to enhance an application.
- Create processes and validations within an application.
- Create shared components for an application.
- Implement security in an application.
- Manage application navigation in an application.
- Extend application by adding more components using some built-in wizards.

## Required skills

Basic knowledge of SQL, PL/SQL, and HTML

## Teaching methods

Expert instruction with practical examples, computer practice

## Oracle Training Formats

Training on Demand, one of the most popular learning formats, allows students to learn whenever they need (24/7, 90 days). These video recorded courses are led by TOP instructors. Other learning formats are traditional in-class training, Live Virtual Class, or Self-Study Courses. Read more [here](#).

## Teaching materials

The student materials include comprehensive courseware and other necessary materials for this class. All reading materials are in English.

## Course outline

Course Overview

- Course Objectives
- Lesson Schedule
- Order Management Database Application
- Course Environment : Products Installed

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



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# Oracle Application Express Workshop I

- Course Environment: Workspace Details
- Accessing the Labs Directory

## Introducing Oracle Application Express

- Application Express Overview
- Application Express Terms and Concepts
- Using Application Express
- Creating a Database Application
- Application Builder Overview
- Introducing Database Applications
- Creating Database Applications

## Using and Creating Interactive Reports

- Introducing Reports
- Using Interactive Reports
- Creating and Customizing an Interactive Report

## Creating Classic, Wizard and Mobile Reports

- Creating Classic Reports
- Creating Wizard Reports
- Creating Reports for a Mobile Application

## Creating Forms

- Using Forms
- Creating Forms
- Modifying Forms
- Creating a Form in a Mobile Application

## Working with Pages and Regions

- Introducing Page Definition
- Working with Page Regions
- Working with Pages

## Adding Items and Buttons

- Introducing Items
- Using Items
- Creating List of Value (LOV) Type of Items
- Using Buttons

## Understanding Session State

- Understanding Session State in Oracle Application Express
- Using Session State in Oracle Application Express

## Including Page Processing

- Introducing Page Processing
- Including Computations
- Including Processes
- Including Validations
- Including Branches

## Validating and Debugging Your Application

- Using the Advisor
- Managing Your Attribute Dictionary
- Debugging Your Application

## Adding Shared Components That Aid Navigation

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

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Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

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[info@gopas.sk](mailto:info@gopas.sk)



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# Oracle Application Express Workshop I

- Introducing Shared Components
- Creating Tabs
- Creating Lists
- Creating Breadcrumbs
- Creating a Navigational Bar

## Working with Themes, Templates and Files

- Using Themes
- Using Templates
- Using Files

## Implementing Security

- Securing an Application
- Using Authentication Schemes
- Using Authorization Schemes
- Using Session State Protection

## Managing Application Navigation

- Building a Hierarchical List with Images
- Building a Database-Driven Navigation Report
- Building a Site Map
- Enforcing Authorization on Your Site Map
- Linking Interactive Reports using a Declarative Filter

## Extending Your Application

- Creating Data Load Wizard Pages
- Creating an Upload and Download Page
- Adding BLOB Data to an Existing Application
- Sending Email from an Application

## Creating and Editing Charts

- Creating and Using Charts
- Enhanced Charting Example

## Adding Calendars and Trees

- Using Calendars
- Using Trees

## Using Dynamic Actions and Plug-Ins

- Using Dynamic Actions
- Using Plug-Ins

## Utilizing Application Express Printing

- Printing a Standard Report with Derived Output
- Creating a PDF Report with Multiple Queries

## Managing Application Feedback

- What is Team Development?
- Managing Feedback

### GOPAS Praha

Kodaňská 1441/46  
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