

## APPLICATION EXPRESS

### ORACLE APPLICATION EXPRESS 5.0

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#### Key Features

- Fully supported no-cost feature of the Oracle Database
- Simple 2-Tier Architecture
- Develop desktop and mobile applications
- 100% Browser-based Development and Runtime
- Very advanced Browser-based IDE
- Packaged Applications
- Runs everywhere Oracle Database runs

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*Oracle Application Express is a declarative, rapid web application development tool for the Oracle Database. It is a fully supported, no cost option available with all editions of the Oracle Database. Oracle Application Express enables you to create database-centric Web applications that are reliable, scalable, and secure. Using only a web browser, and with limited programming experience, you can develop and deploy professional Web-based applications for desktops and mobile devices.*

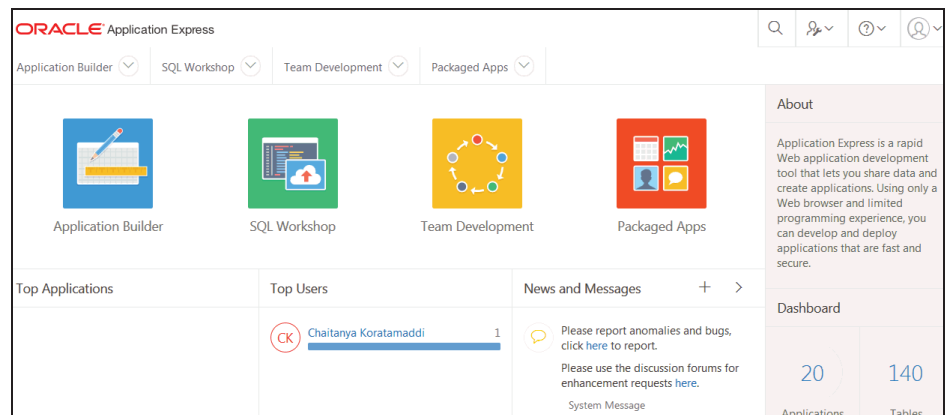


Figure 1: Application Express Development Home Page

#### Fully Supported no-cost Feature of the Oracle Database

Oracle Application Express is a fully supported, no cost option of the Oracle Database, and is installed by default in all editions of the Oracle Database. Oracle Application Express runs everywhere and anywhere Oracle Database runs. It is distributed with all editions of Oracle Database 11g and Oracle Database 12c. You can also download the latest Oracle Application Express software from the Oracle Technology Network at <http://otn.oracle.com/apex>.

**Application Development - It's all in the Browser**

To build, deploy, and run applications using Oracle Application Express, you do not need to install any client software. By simply using a browser, you log in to your Workspace, navigate to Application Builder and start building beautiful applications for desktops and mobile devices. End users need just a browser, application URL and their user credentials.

**Utilizing the Declarative Framework**

Oracle Application Express uses a declarative framework for web application development. That is, you specify what to do rather than how to do it. No code is generated or compiled. You interact with a wide variety of built-in wizards and property sheets to define your application.

**Short Learning Curve**

Oracle Application Express enables organizations to capitalize on their existing investment in SQL and PL/SQL skills. Few programming skills are required, and anyone can quickly learn to develop applications. With Oracle Application Express, applications are built faster, with fewer developers.

**Using the Advanced Browser-based IDE**

Oracle Application Express includes, Page Designer, a revolutionary browser-based IDE designed to greatly improve developer's productivity, allowing you to very quickly enhance and maintain pages within Application Express. The key features of Page Designer include:

- Cohesive user experience
- Better visual representation
- Intuitive drag and drop
- Enhanced code editor

- a. On the Workspace home page, click **App Builder**.
  - b. Select an application.
  - c. On the Application home page, click **Shared Components** in the center of the page.
  - d. Under Security, select **Web Credentials**.
2. On the Web Credentials page, click **History**.

The History page displays recent modifications made to Credentials in the current workspace.

## 18.7 Managing Legacy Web Services

Legacy Web services enable applications to interact with one another over the web in a platform-neutral, language independent environment.

### Note:

The SOAP 1.1 specification is a W3C note. SOAP Version 1.2 specification is a W3C recommendation.

For information about Simple Object Access Protocol (SOAP) see:

<http://www.w3.org/TR/SOAP/>

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### 18.7.1 About Web Services

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In a typical Web services scenario, a business application sends a request to a service at a given URL by using the protocol over HTTP. The service receives the request, processes it, and returns a response. You can incorporate calls with external Web services in applications developed in App Builder.