Oracle Application Express (APEX)

Software

- Access Workspace
- Create/Migrate Database Schema
- Configure Application and more.

Oracle Application Express is a web-based software development environment that runs on an Oracle database. It is fully supported and comes standard with all Oracle Database editions and, starting with Oracle 11g, is installed by default as part of the core database install.
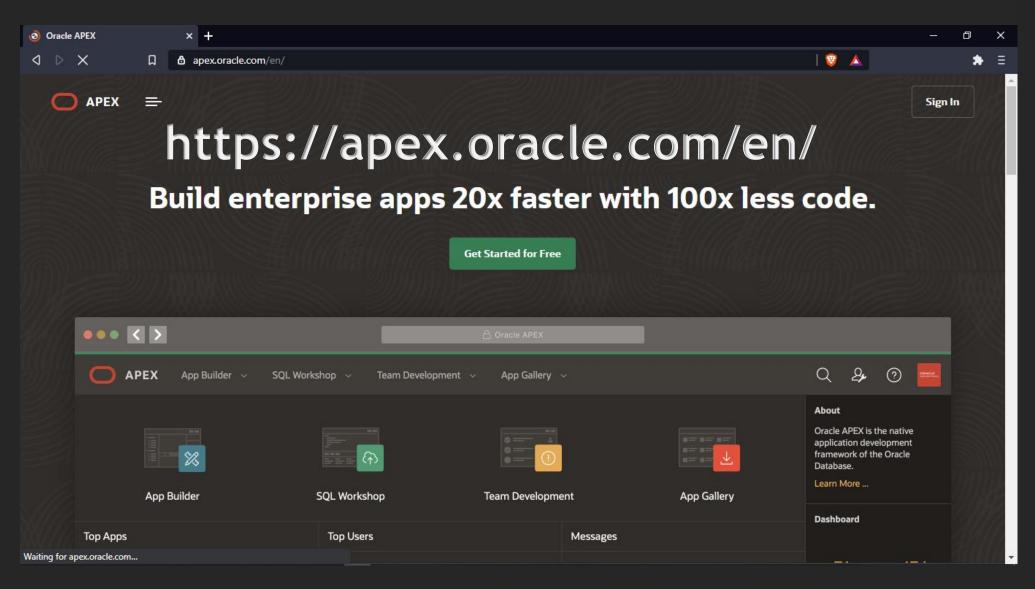
Objectives

After completing this lesson, you should be able to do the following:

- ✓ Access Cloud Workspace for Oracle Application
- ✓ Create/Migrate Oracle Database Schema to Cloud
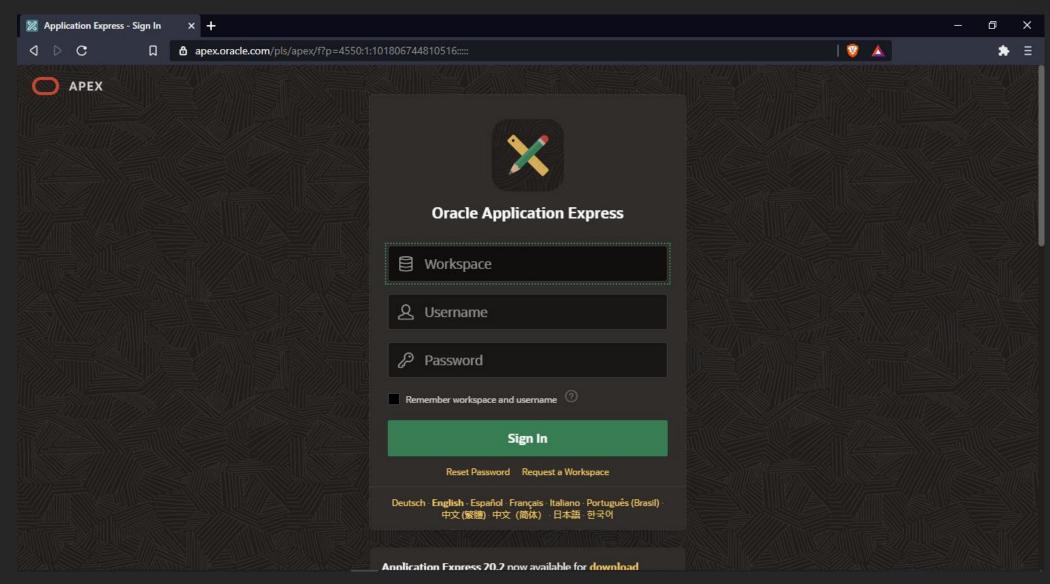- ✓ Design Forms, Reports, Charts and more on your data.

Oracle Apex Home

https://apex.oracle.com/en/

Build enterprise apps 20x faster with 100x less code.

Get Started for Free

Oracle APEX

APEX | App Builder | SQL Workshop | Team Development | App Gallery

About

Oracle APEX is the native application development framework of the Oracle Database.

Learn More ...

Dashboard

App Builder

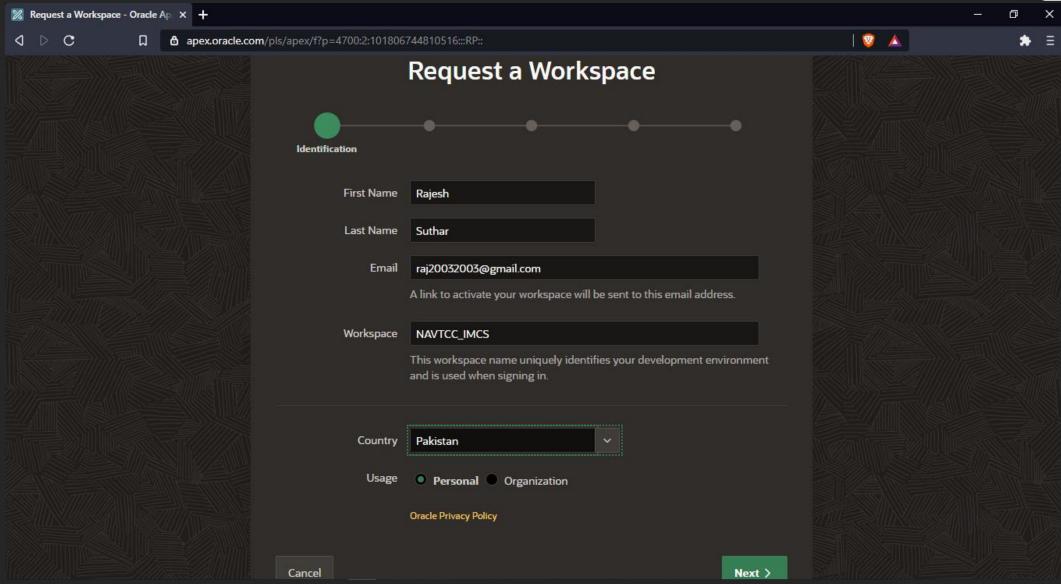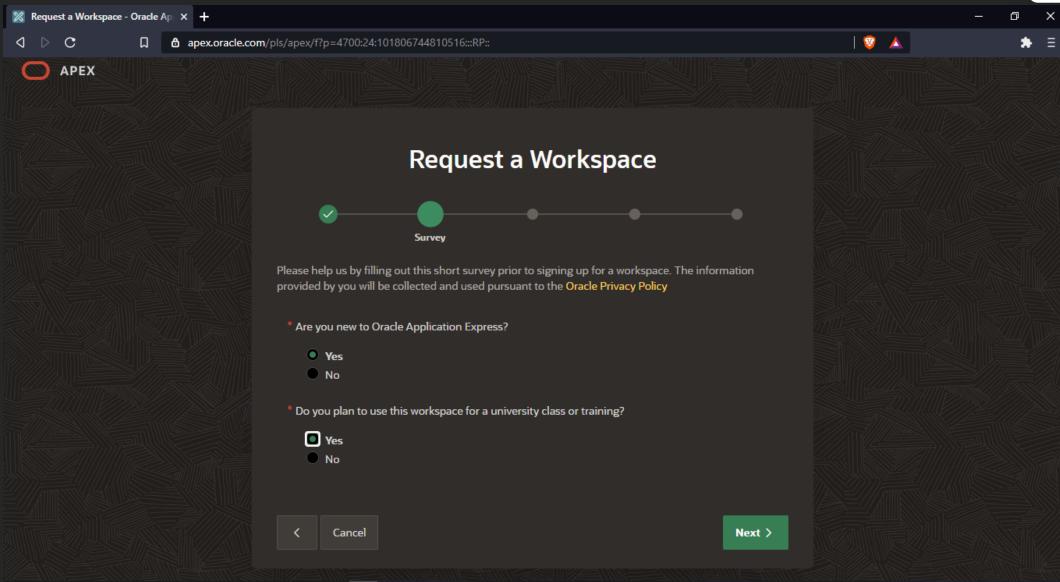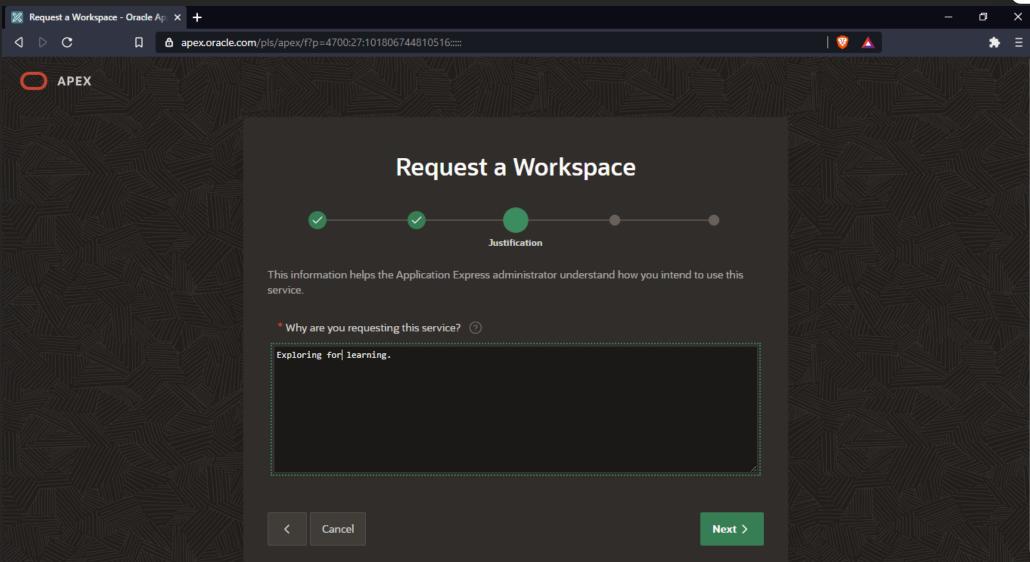SQL Workshop

Team Development

App Gallery

Top Apps | Top Users | Messages

Waiting for apex.oracle.com...

Sign In Page - Oracle Apex

Request a Workspace - Oracle Apex

Request a Workspace - Oracle Apex

Request a Workspace - Oracle Apex

Request a Workspace - Oracle Apex
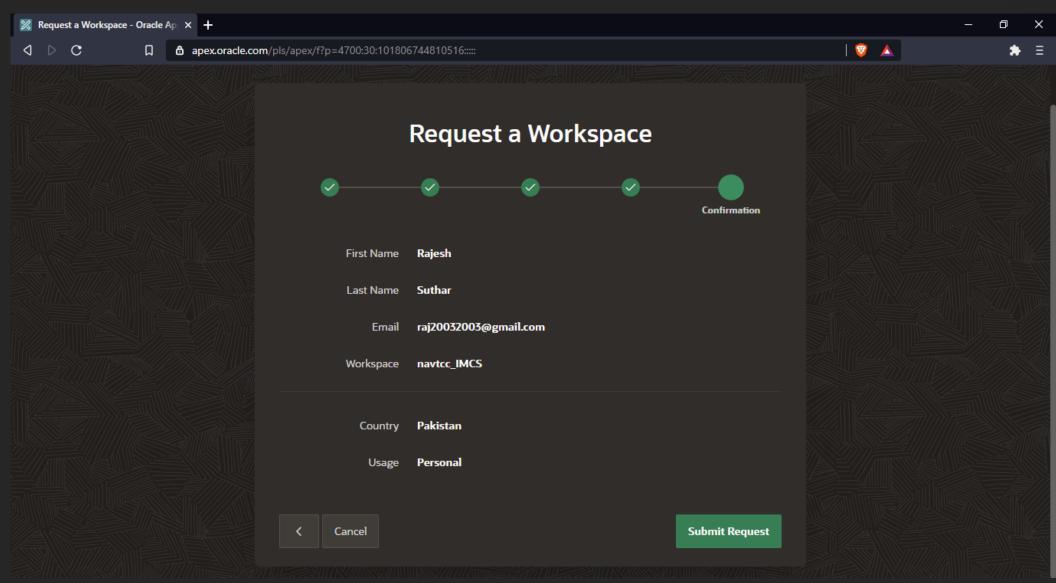
Request a Workspace - Oracle Apex
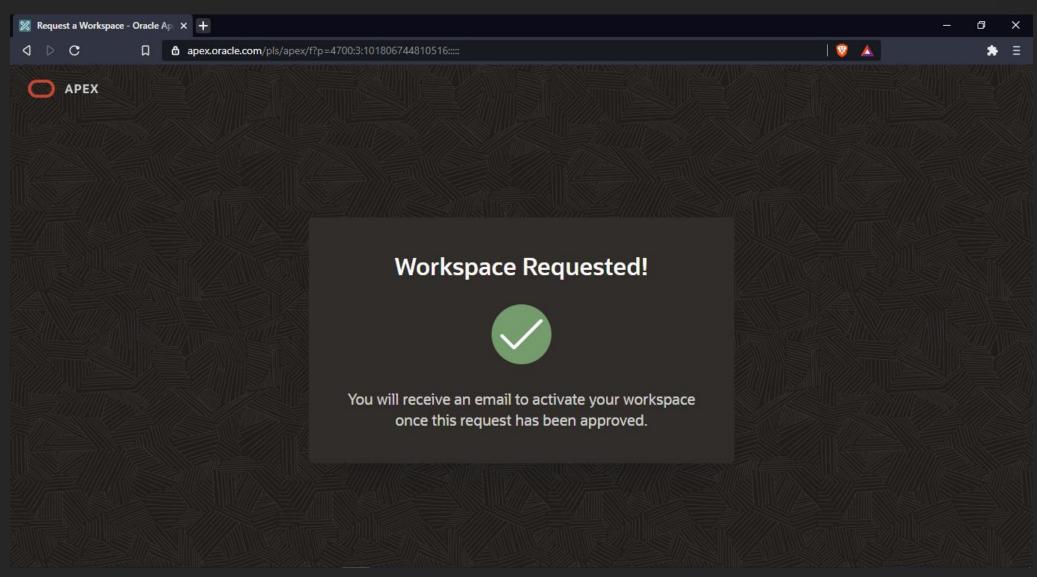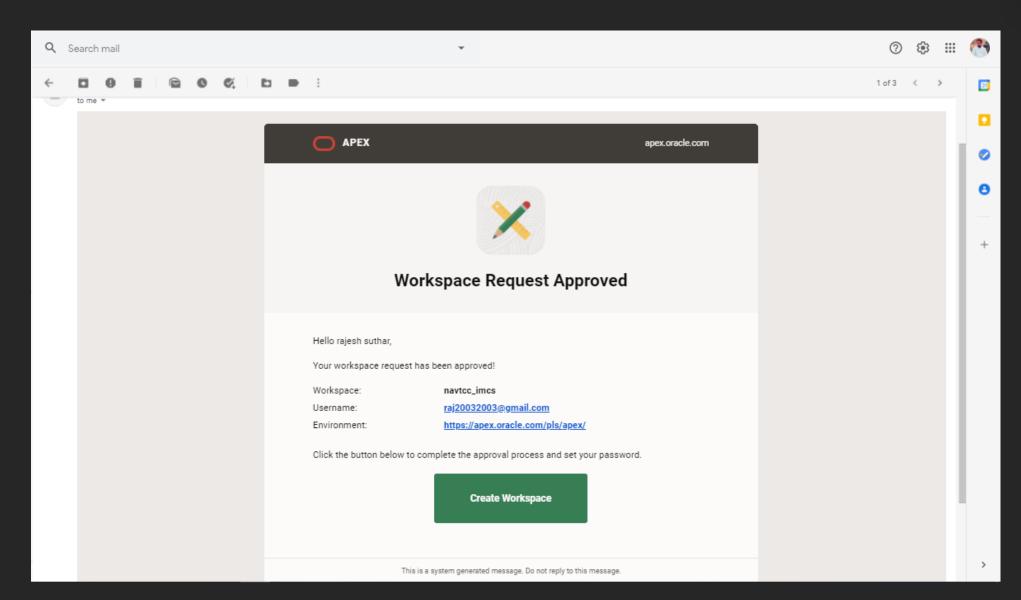
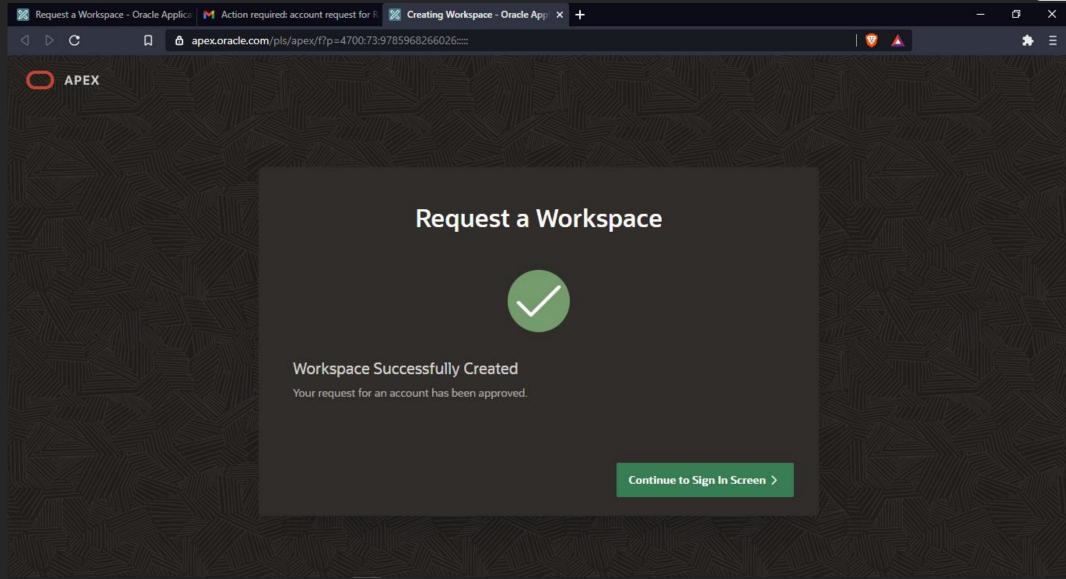# Request a Workspace - Oracle Apex
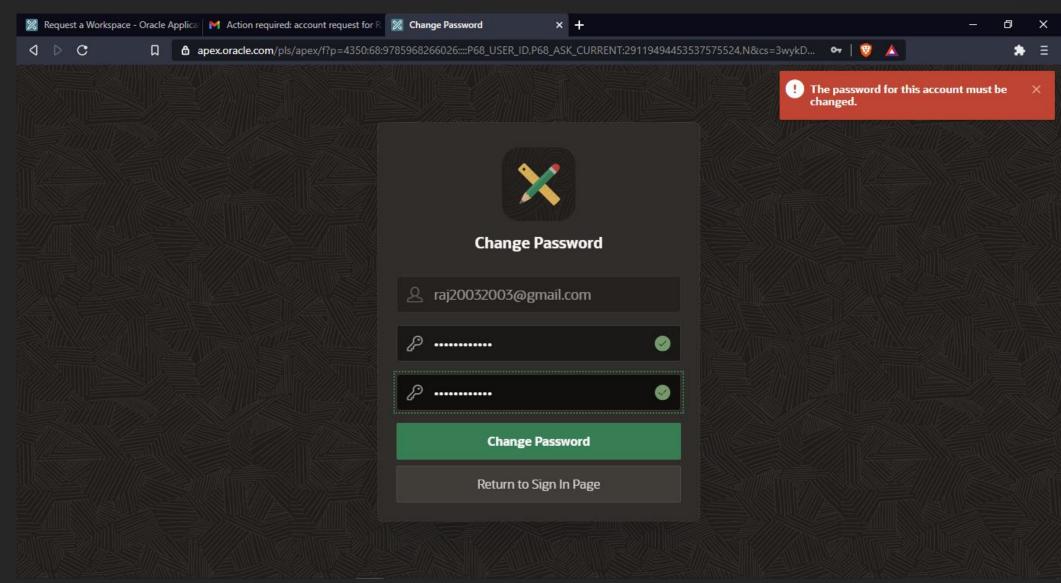
Workspace Request Approved - Oracle Apex

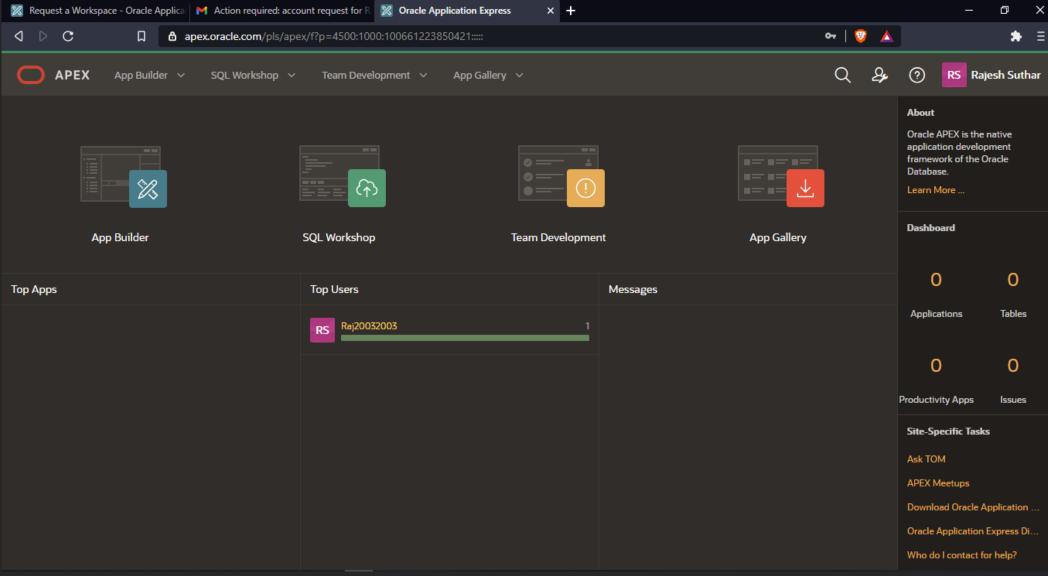# Workspace Request Approved - Oracle Apex

Change Password - Oracle Apex
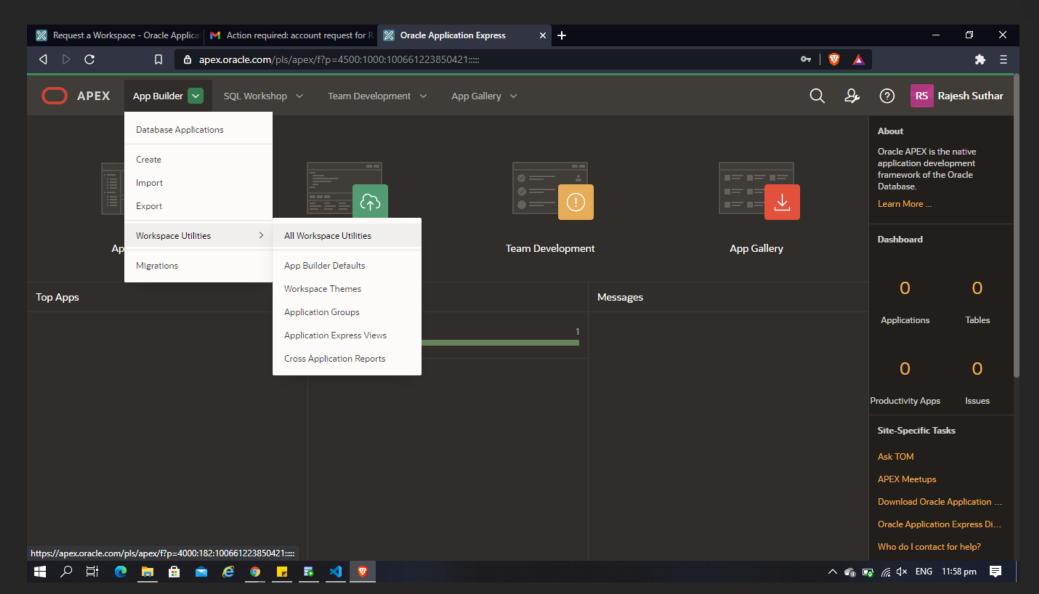
Home Page- Oracle Apex
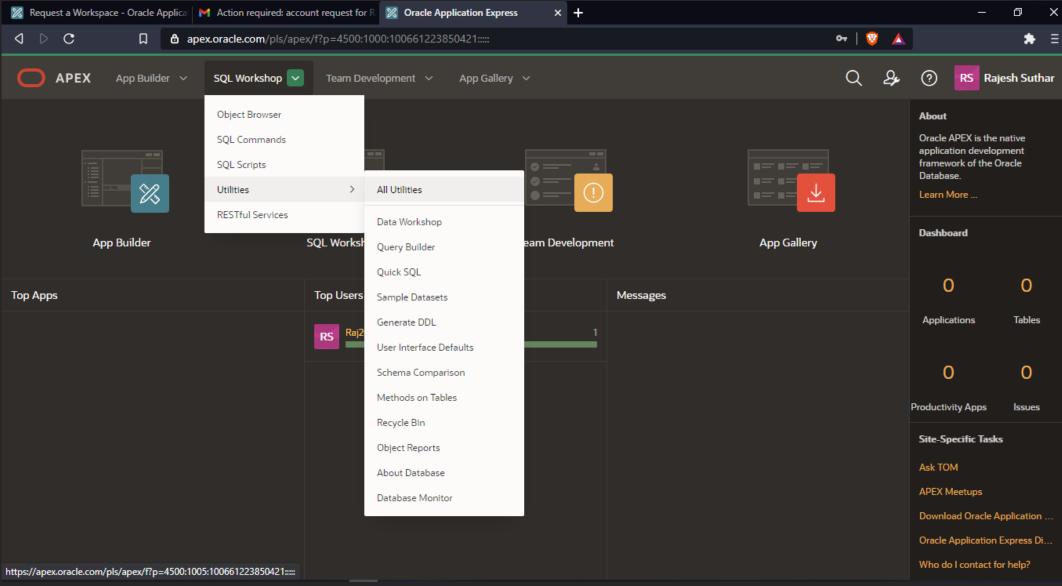
App Builder Option - Oracle Apex
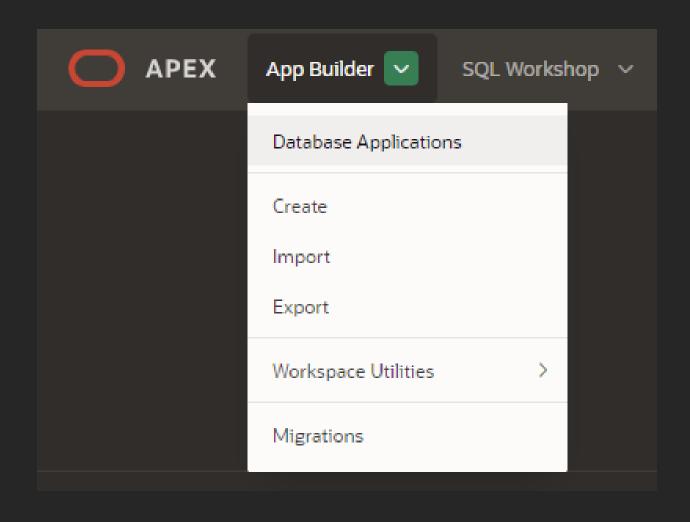
SQL Workshop - Oracle Apex

Create a New Application

Create a New Application

Create an Application

New Application
Add pages on existing data, select application features, set your theme, and configure other options.

From a File
Upload a CSV, XLSX, XML or JSON file, or copy and paste data, then create your application.
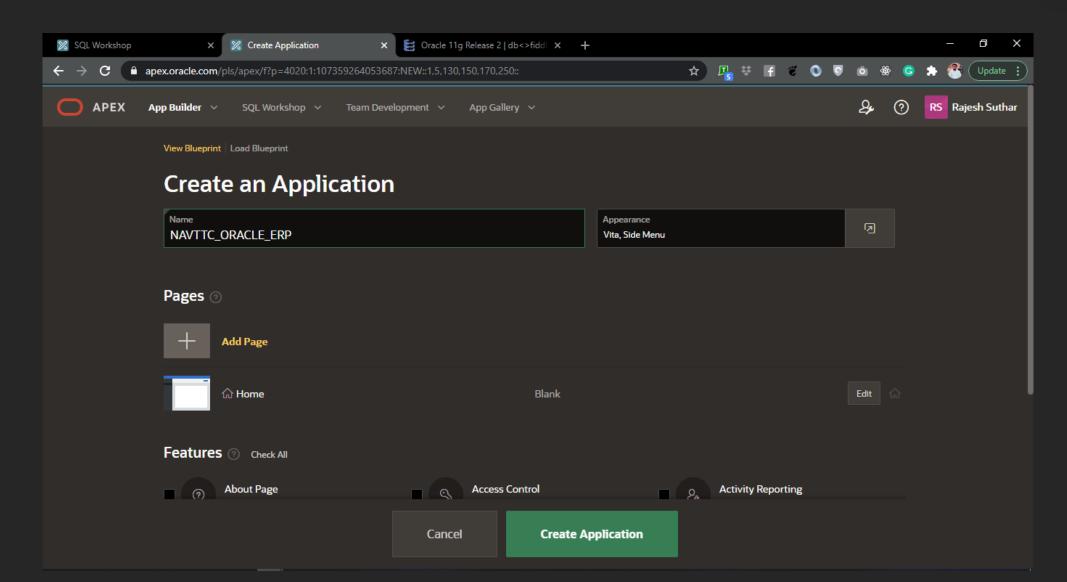
Productivity App
Install one of many included Sample and Productivity Apps from the App Gallery.

Quick SQL · Copy Application · Help

Create Application Wizard - Oracle Apex

Create Application Wizard - Oracle Apex

Application Created - Oracle Apex
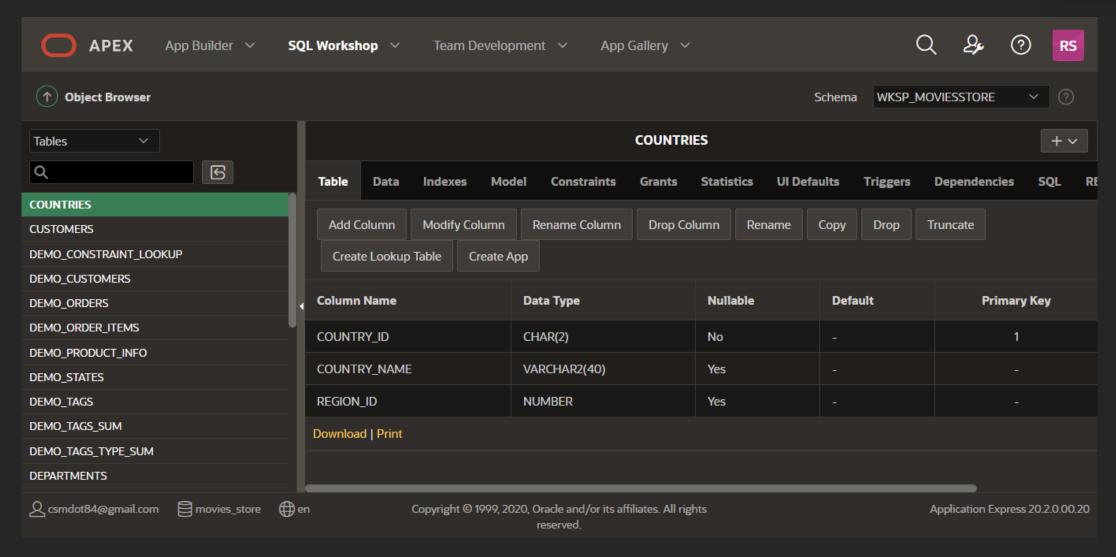
SQL Workshop

SQL Workshop – Object Browser (TABLE)

APEX App Builder ⌄ **SQL Workshop** ⌄ Team Development ⌄ App Gallery ⌄   🔍 🛠 ❓ RS

⬆ **Object Browser**

Schema WKSP_MOVIESSTORE ⌄ ❓
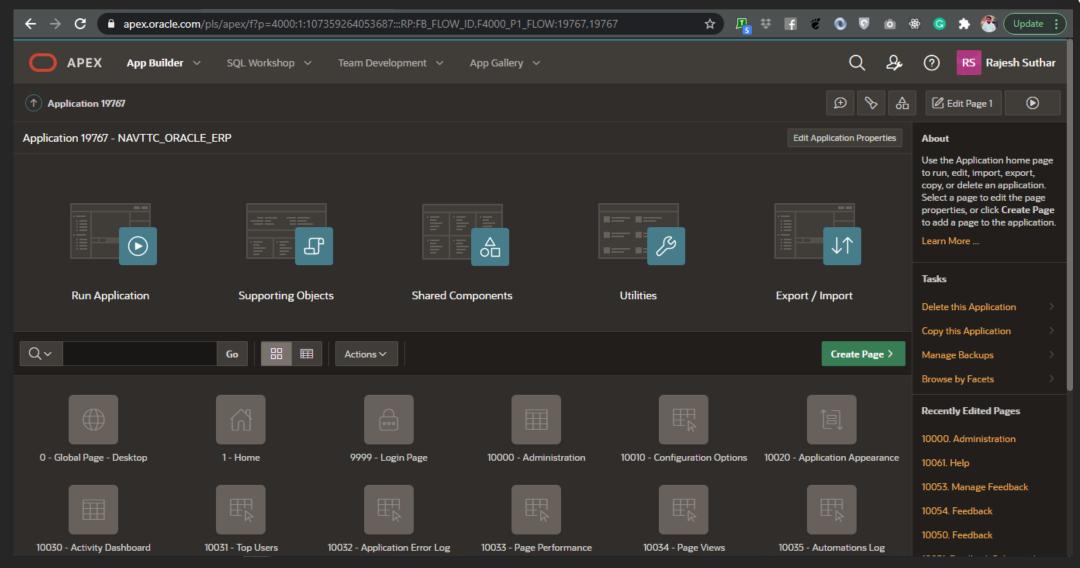
Tables ⌄

🔍 [   ] ⟲

COUNTRIES + ⌄

COUNTRIES	
CUSTOMERS	
DEMO_CONSTRAINT_LOOKUP	
DEMO_CUSTOMERS	
DEMO_ORDERS	
DEMO_ORDER_ITEMS	
DEMO_PRODUCT_INFO	
DEMO_STATES	
DEMO_TAGS	
DEMO_TAGS_SUM	
DEMO_TAGS_TYPE_SUM	
DEPARTMENTS	

Table Data Indexes Model Constraints Grants Statistics UI Defaults Triggers Dependencies SQL RE

Add Column | Modify Column | Rename Column | Drop Column | Rename | Copy | Drop | Truncate

Create Lookup Table | Create App

Column Name	Data Type	Nullable	Default	Primary Key
COUNTRY_ID	CHAR(2)	No	-	1
COUNTRY_NAME	VARCHAR2(40)	Yes	-	-
REGION_ID	NUMBER	Yes	-	-

Download | Print

SQL Workshop – Object Browser (DATA)

APEX   App Builder ∨   **SQL Workshop** ∨   Team Development ∨   App Gallery ∨   🔍 👤 ❓ RS

⬆ Object Browser   Schema WKSP_MOVIESSTORE ∨ ❓

Tables ∨

🔍 [   ] ↩

COUNTRIES	+∨

COUNTRIES

| CUSTOMERS |
| DEMO_CONSTRAINT_LOOKUP |
| DEMO_CUSTOMERS |
| DEMO_ORDERS |
| DEMO_ORDER_ITEMS |
| DEMO_PRODUCT_INFO |
| DEMO_STATES |
| DEMO_TAGS |
| DEMO_TAGS_SUM |
| DEMO_TAGS_TYPE_SUM |
| DEPARTMENTS |

Table | **Data** | Indexes | Model | Constraints | Grants | Statistics | UI Defaults | Triggers | Dependencies | SQL

Query | Count Rows | Insert Row | Load Data

EDIT	COUNTRY_ID	COUNTRY_NAME	REGION_ID
✎	AR	Argentina	2
✎	AU	Australia	3
✎	BE	Belgium	1
✎	BR	Brazil	2
✎	CA	Canada	2

👤 csmdot84@gmail.com   🗄 movies_store   🌐 en

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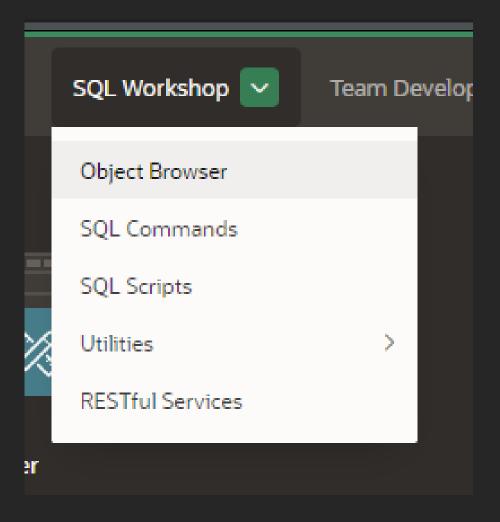
Application Express 20.2.0.00.20

SQL Workshop – Object Browser (MODEL)

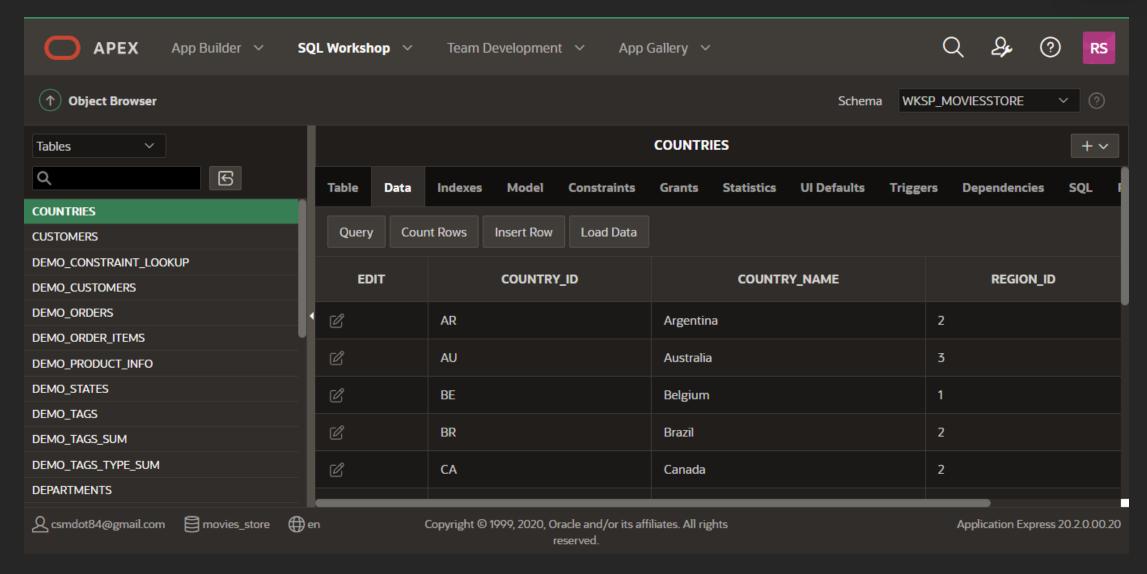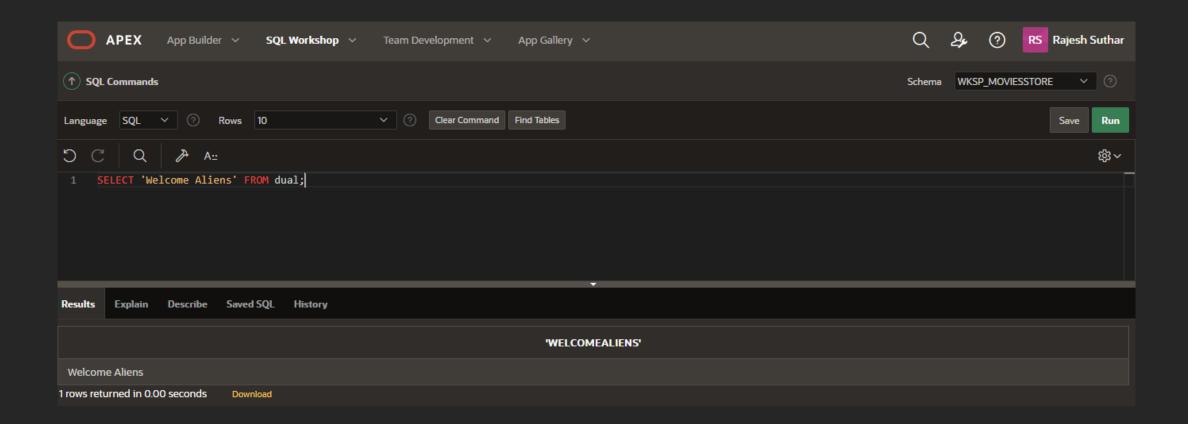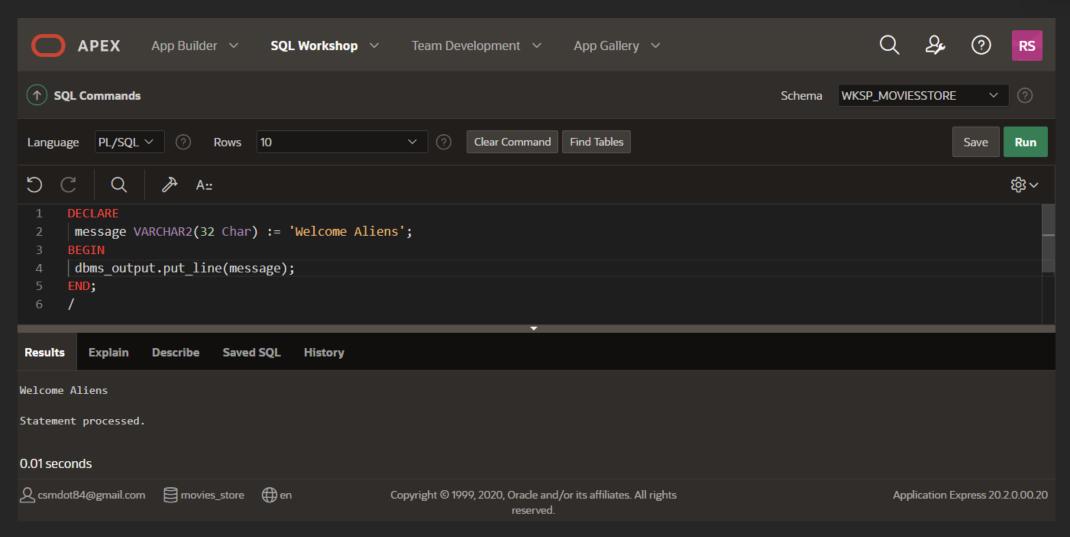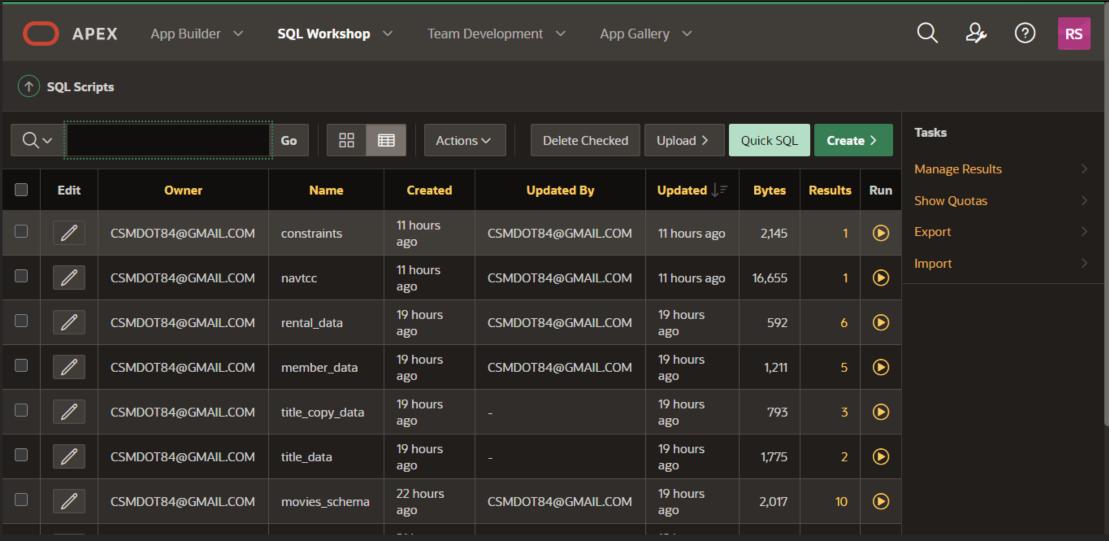# SQL Workshop - SQL Command Line (SQL)
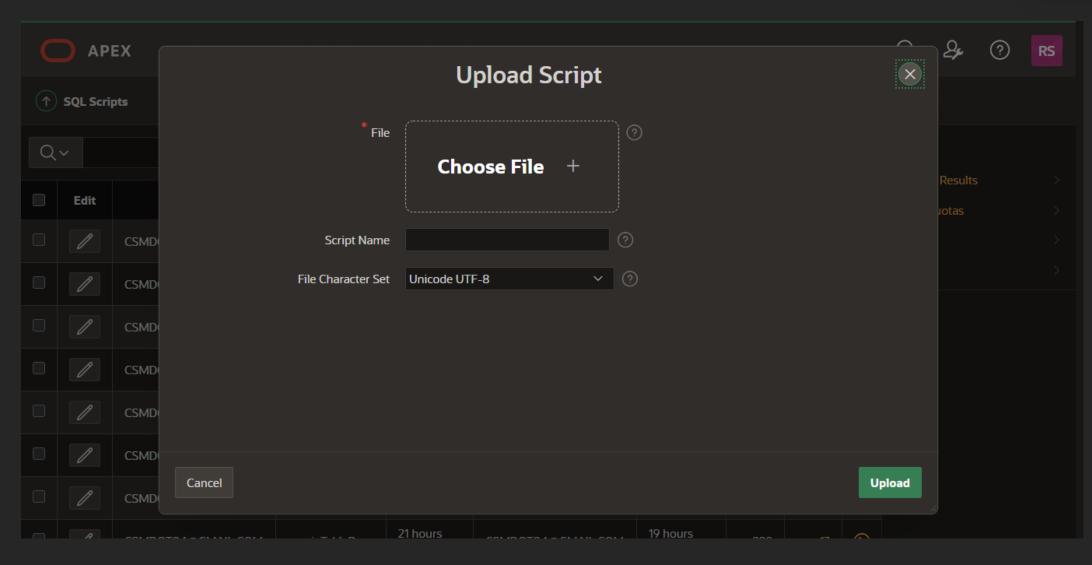
SQL Workshop - SQL Command Line (PLSQL)
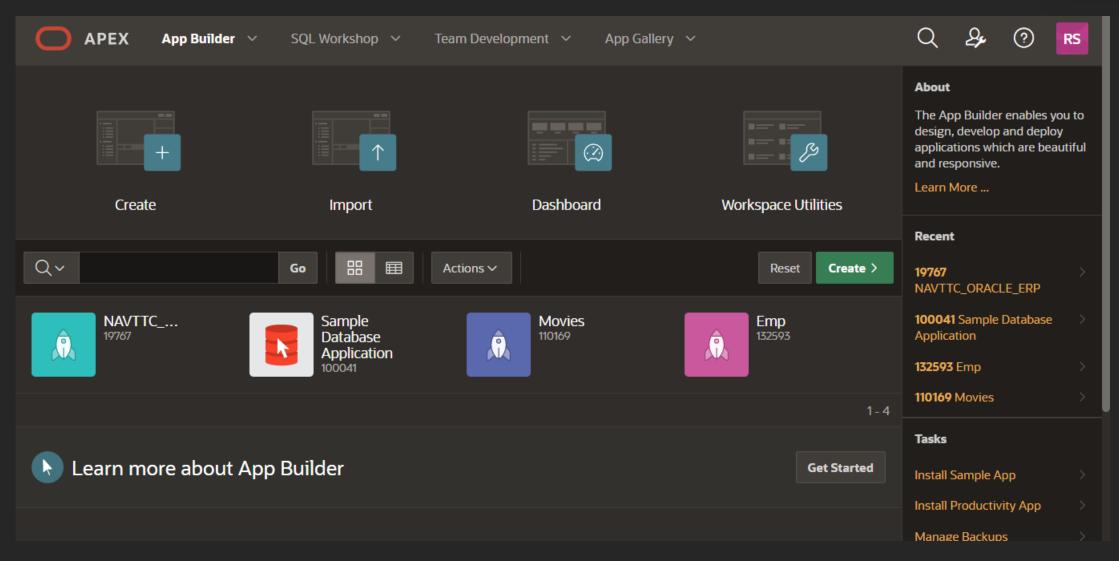
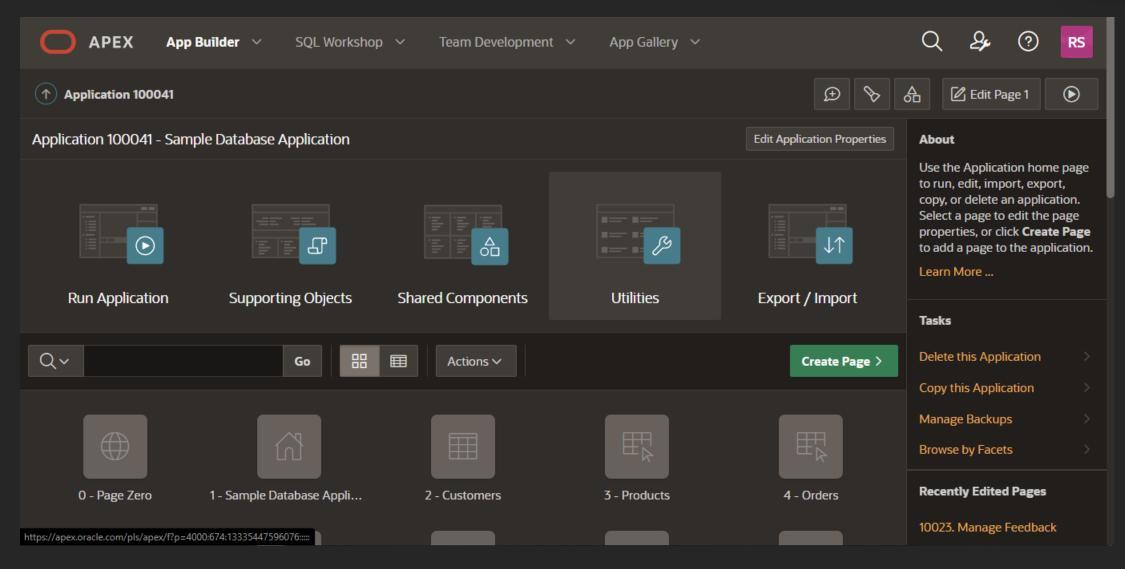# SQL Workshop - SQL Scripts

SQL Workshop – Upload Script

App Builder
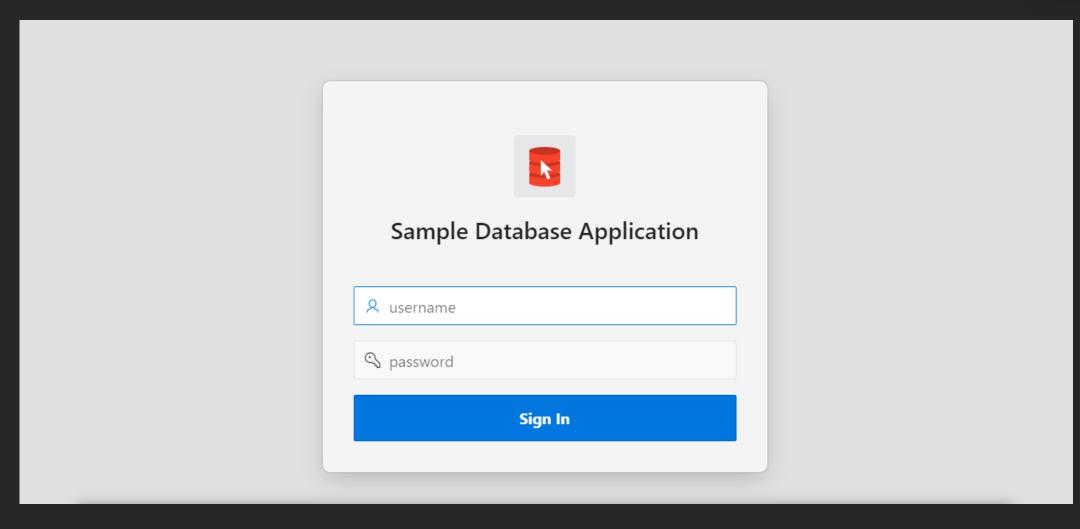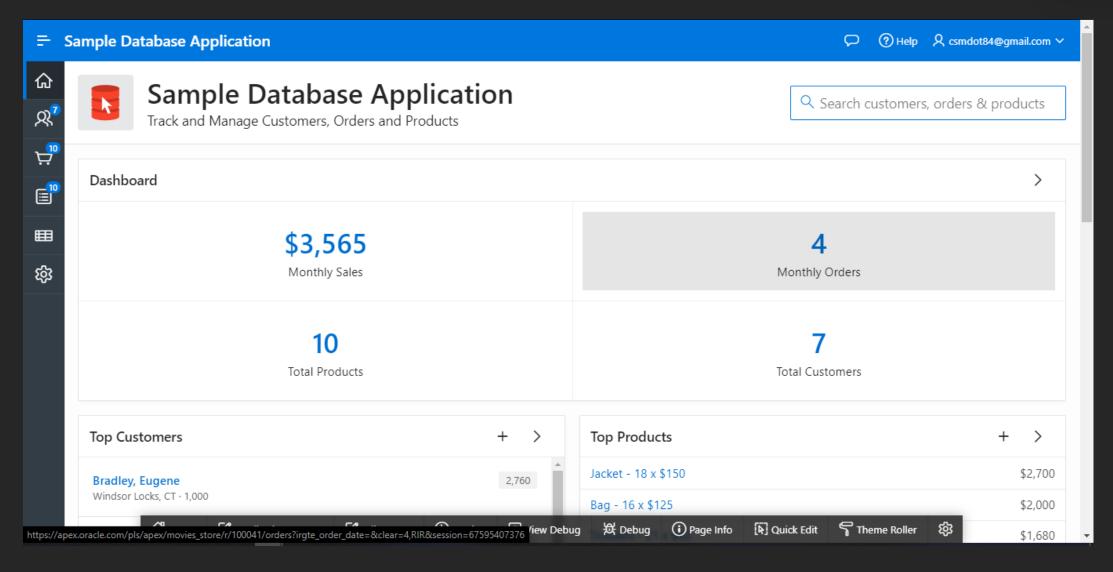
Run Sample App

Provide Credentials
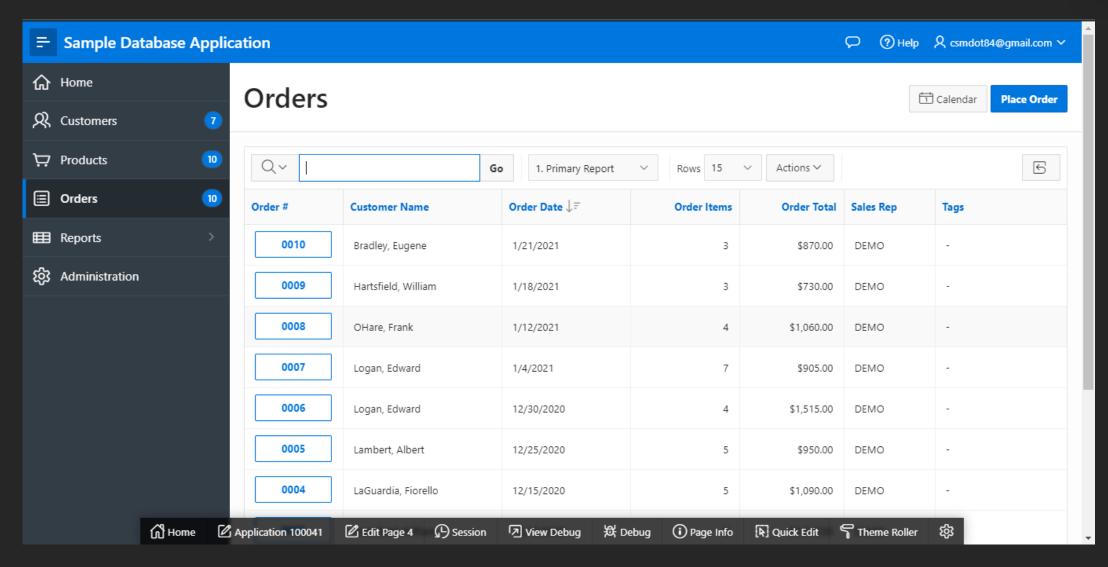
Sample App Interface

Reports

Sample Database Application

💬 ❓ Help 👤 csmdot84@gmail.com ⌄

- 🏠 Home
- 👥 Customers — 7
- 🛒 Products — 10
- ▤ Orders — 10
- ▦ Reports ›
- ⚙ Administration

Orders

📅 Calendar   **Place Order**

🔍 ⌄ [   ] Go   1. Primary Report ⌄   Rows 15 ⌄   Actions ⌄   ⟲

Order #	Customer Name	Order Date ↓	Order Items	Order Total	Sales Rep	Tags
0010	Bradley, Eugene	1/21/2021	3	$870.00	DEMO	-
0009	Hartsfield, William	1/18/2021	3	$730.00	DEMO	-
0008	OHare, Frank	1/12/2021	4	$1,060.00	DEMO	-
0007	Logan, Edward	1/4/2021	7	$905.00	DEMO	-
0006	Logan, Edward	12/30/2020	4	$1,515.00	DEMO	-
0005	Lambert, Albert	12/25/2020	5	$950.00	DEMO	-
0004	LaGuardia, Fiorello	12/15/2020	5	$1,090.00	DEMO	-

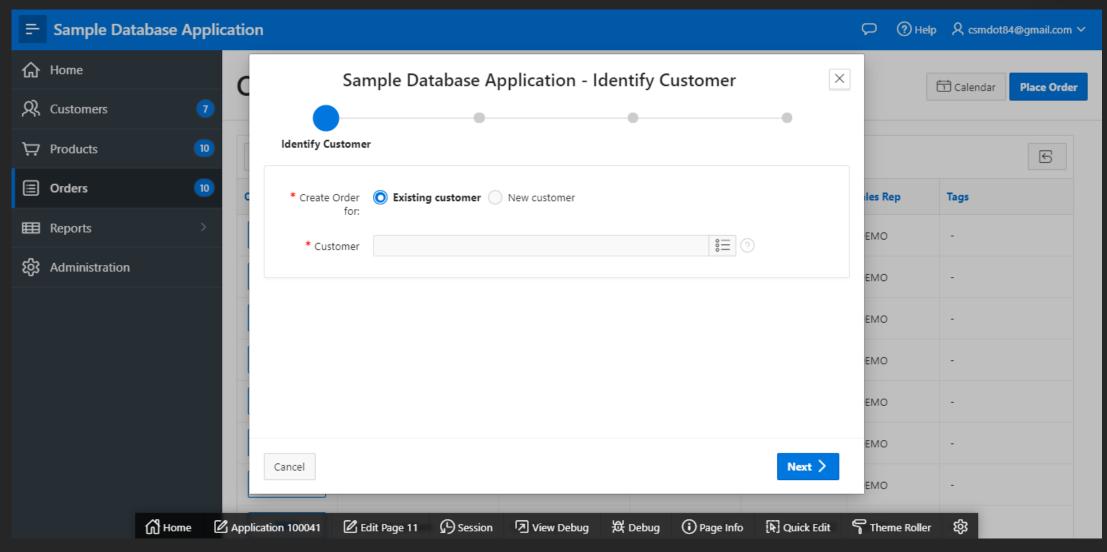🏠 Home   📝 Application 100041   📝 Edit Page 4   🕐 Session   ↗ View Debug   🐞 Debug   ⓘ Page Info   ▣ Quick Edit   🖌 Theme Roller   ⚙
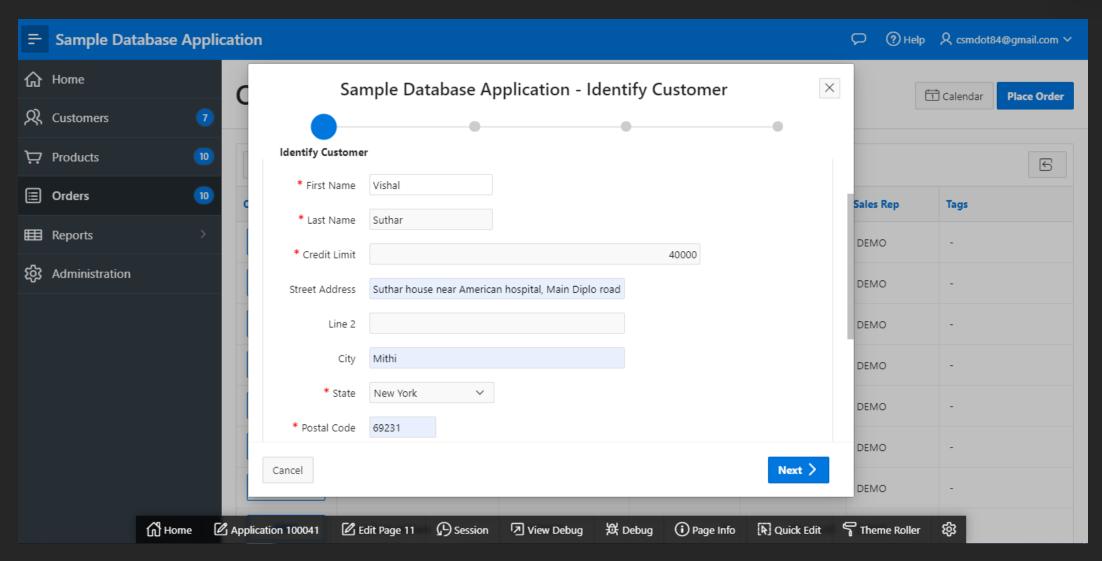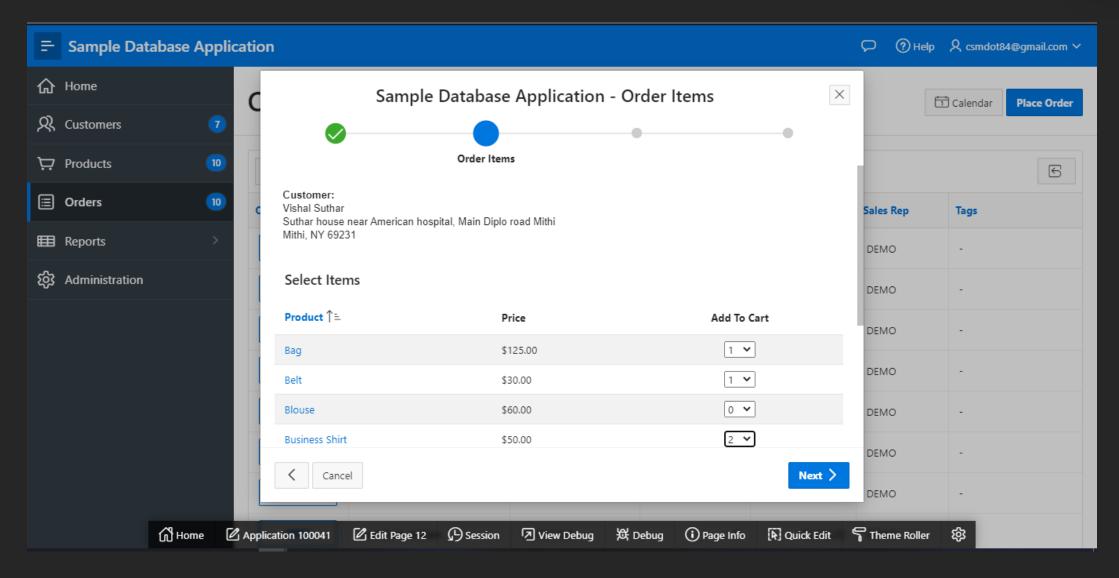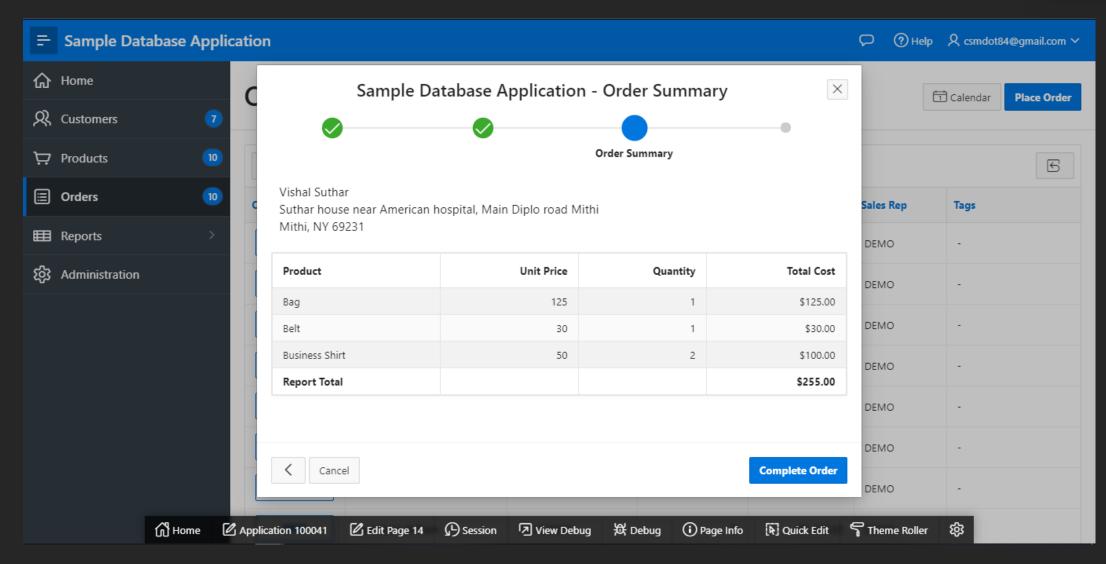
Forms

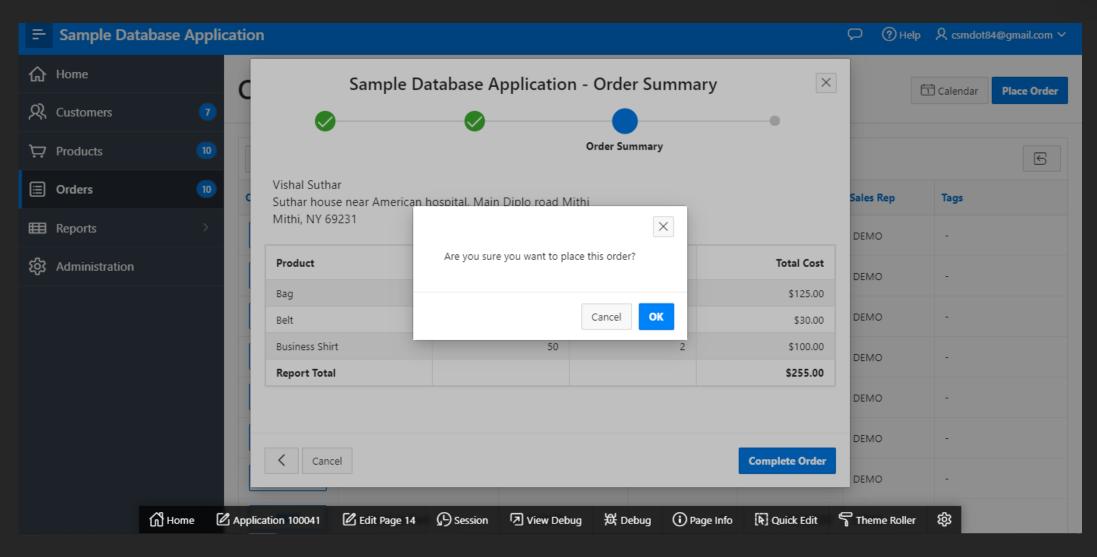# Form - Insert Record

Form - Insert Record
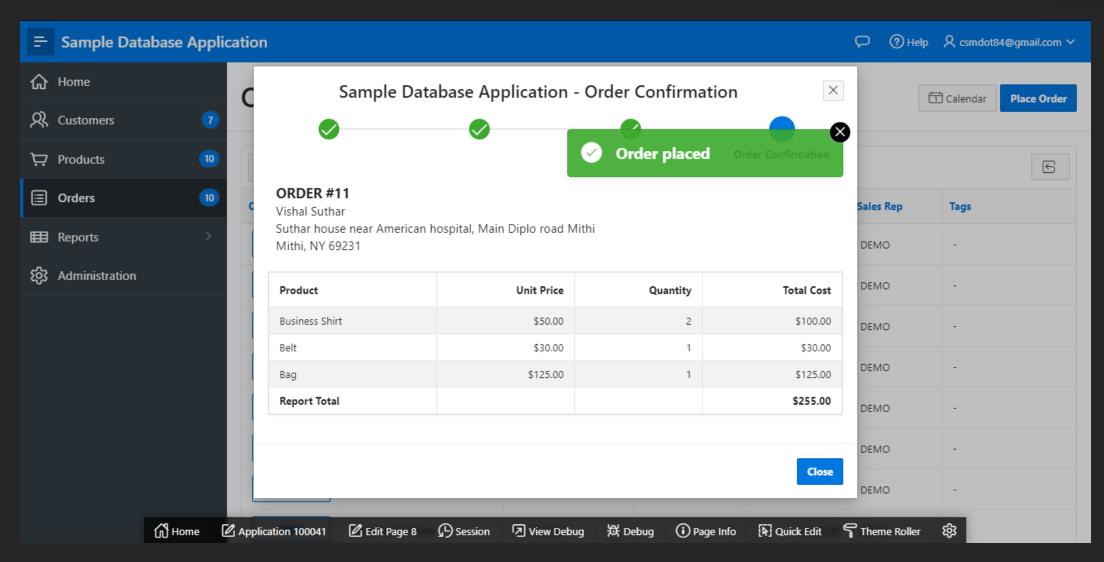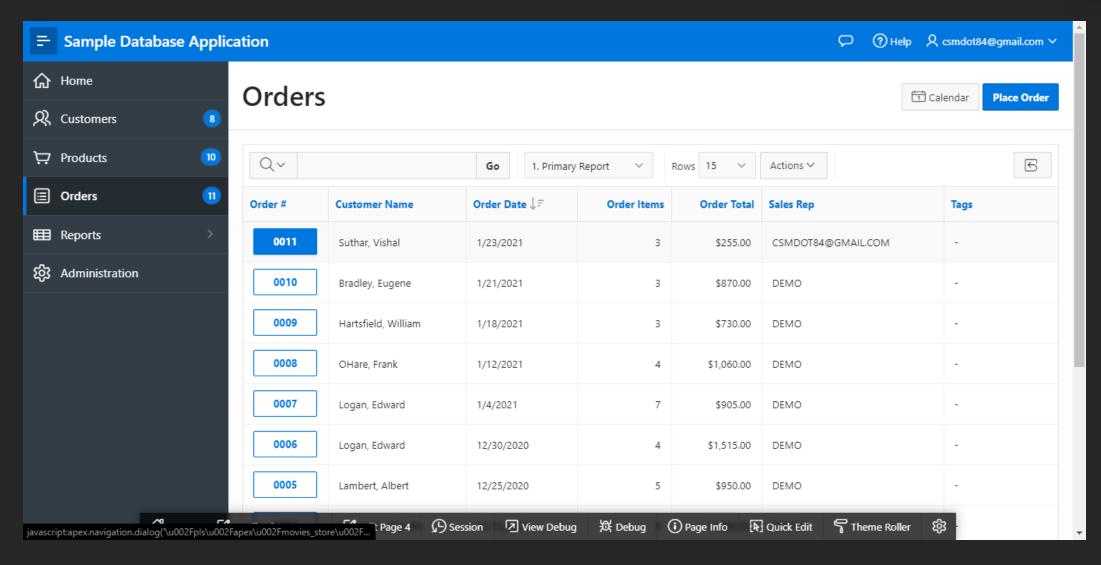
Report as Summary

Confirmation

Order Placed - Alert
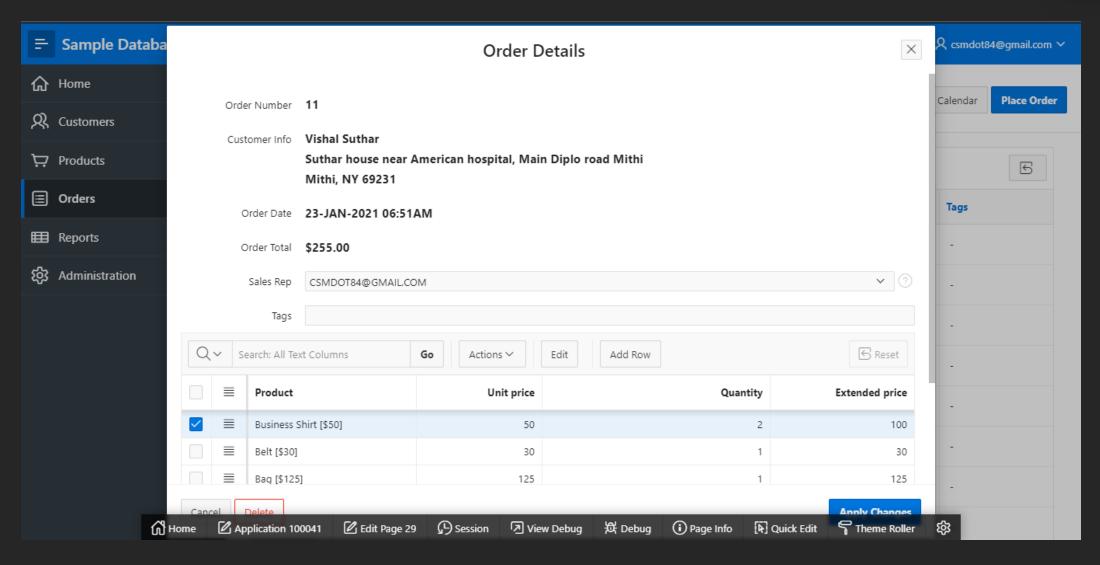
Orders Interactive Report
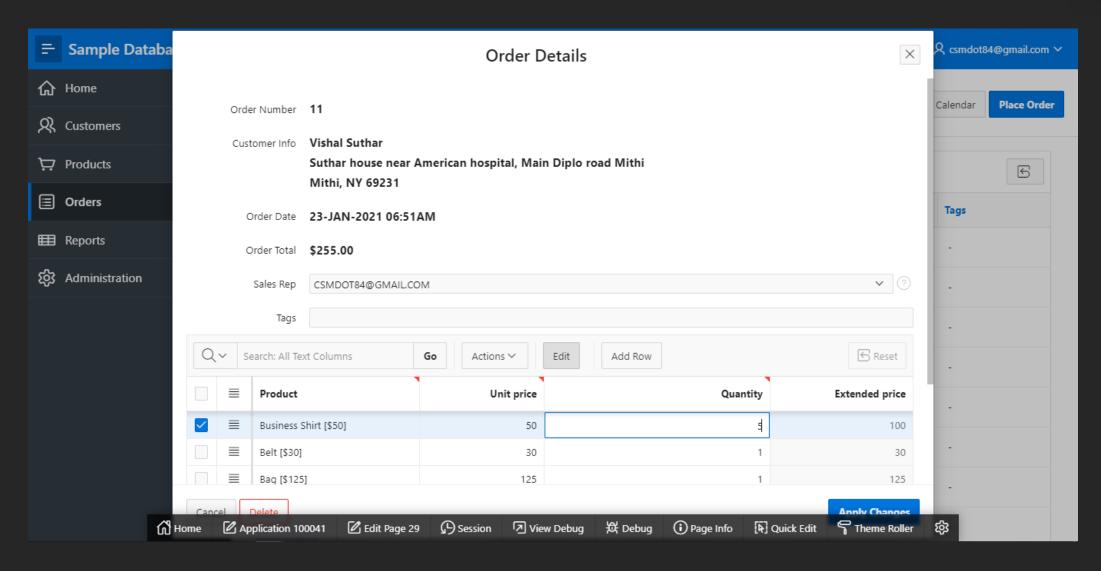
Orders Interactive Report

Edit - Updated Record

Order Details

Order Number **11**

Customer Info **Vishal Suthar**
Suthar house near American hospital, Main Diplo road Mithi
Mithi, NY 69231

Order Date **23-JAN-2021 06:51AM**

Order Total **$255.00**

Sales Rep CSMDOT84@GMAIL.COM

Tags

		Product	Unit price	Quantity	Extended price
☑	≡	Business Shirt [$50]	50	5	100
☐	≡	Belt [$30]	30	1	30
☐	≡	Bag [$125]	125	1	125

Search: All Text Columns | Go | Actions | Edit | Add Row | Reset

Cancel | Delete | Apply Changes

Calendar | Place Order

Tags

csmdot84@gmail.com

Home | Application 100041 | Edit Page 29 | Session | View Debug | Debug | Page Info | Quick Edit | Theme Roller

Edit - Delete Record

Order Details

Saved 1 order items.

Single Row View

Add Row

Duplicate Row

Delete Row

Refresh Row

Revert Changes

			Unit price	Quantity	Extended price
			50	5	250
☑	☰	Belt [$30]	30	1	30
☐	☰	Bag [$125]	125	1	125

Go   Actions ˅   Edit   Add Row   Reset

1 rows selected

|< < 1 > >| 1 - 3 of 3

Cancel   Delete   Apply Changes

Sample Databa...

Home
Customers
Products
Orders
Reports
Administration

Calendar   Place Order

Tags

...2021 06:51AM

...4@GMAIL.COM

🏠 Home   ✏ Application 100041   ✏ Edit Page 29   🕐 Session   ↗ View Debug   ⚙ Debug   ⓘ Page Info   ⭠ Quick Edit   🎨 Theme Roller   ⚙
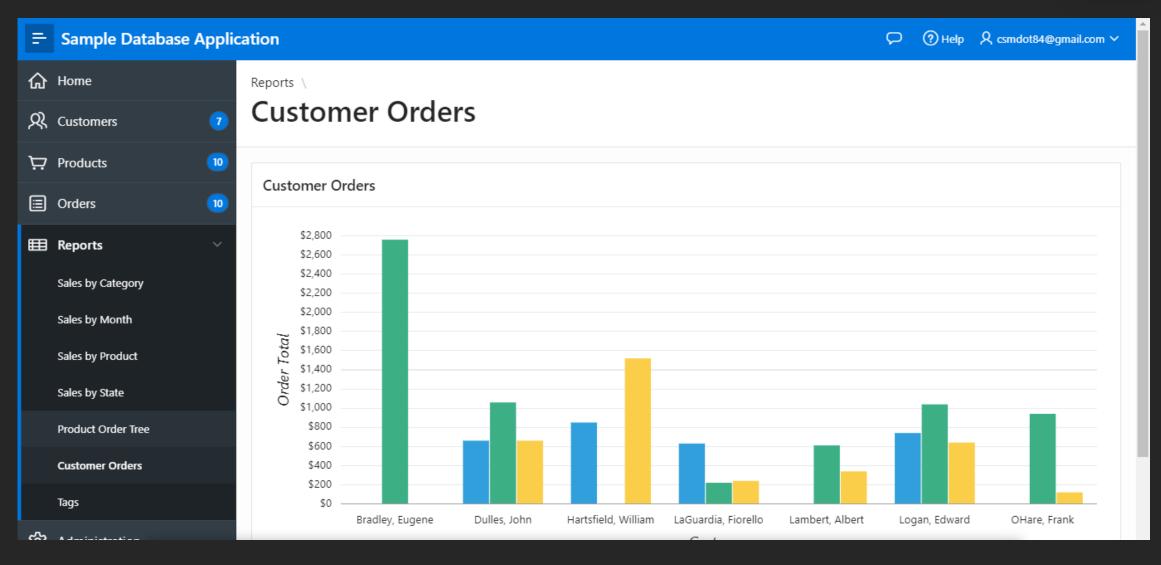
Donut Chart

Bar Chart

Graphs (Line)