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## DAWD 01-2 – Demo – Navigating Databricks SQL

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### Lesson Objective

At the end of this lesson, you will be able to:

- Distinguish between Databricks SQL pages and their purposes
- Run a simple query in Databricks SQL

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### The Landing Page

The landing page is the main page for Databricks SQL. Note the following features of the landing page:

- Shortcuts
- Recents
- Documentation Links
- Links to Release Notes
- Links to Blog Posts

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### The Sidebar Menu and App Switcher

On the left side of the landing page is the sidebar menu and app switcher.

## 1. Roll your mouse over the sidebar menu

The menu expands. You can change this behavior using the "Menu Options" at the bottom of the menu.

The app switcher allows you to change between Databricks SQL and the other apps available to you in Databricks. Your ability to access these apps is configured by your Databricks Administrator. Note that you can pin Databricks SQL as the default app when you login to Databricks.

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## SQL Warehouses

In order to work with data in Databricks SQL, you will need to have access to a SQL Warehouse

## 2. Click "SQL Warehouses" in the sidebar menu

There should be at least one warehouse in the list. (If not, you will need to have a Databricks Administrator configure a warehouse for you). Note the following features of the "SQL Warehouses" page:

- Warehouse Name
- State
- Size
- Active/Max
- Start/Stop Button
- Actions Menu

## 3. Click the name of the warehouse

Note the following features on the Warehouse's detail page:

- Overview
  - Connection Details
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## The Query Editor

## 4. Click Create --> Query in the sidebar menu

This is the Query Editor in Databricks SQL. Note the following features of the Query Editor:

- Schema Browser
- Tabbed Interface
- Results View

To run a query, double-check that you have a warehouse selected, type the query into the editor and click Run.

We are going to run a simple query that will display our username

5. Paste the code below into the Query Editor, and click Run:

We are going to use this username in future queries in a `USE` statement.

```
SELECT current_user() AS Username;
```

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## Query Results

The query we executed above is pulling from a schema created just for you as part of this course. In the results window, we can see the data pulled from our schema.

Note the following features of the results window:

- Number of Results Received
- Refreshed Time
- "Add Visualization" button

When visualizations are added to your queries, they will also show up in the results window.

## Query History

To see a list of queries that have been run, we can access Query History.

6. In the sidebar menu, click "Query History"

Query History shows a list of all queries that have been run.

- Toolbar for changing user, time span, warehouse, and status filters
- "Refresh" button and scheduler
- Query list with informative columns

We can get more detailed information by clicking a query.

7. Click a query in the list

A drawer opens that provides more detailed information about the selected query. If we want to view the query profile, we can do that, too.

8. Click "View query profile"

This information can be used to help troubleshoot queries or to improve query performance.

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