**Video Script: Demonstrating the Enhanced Value Measurement Database Application**

**Opening (0:00 - 0:20)**

Hi, I’m Donnie Minnick. In this short demo, I’ll walk you through the enhanced Value Measurement Database Application.

Built with Python and Tkinter, this tool offers a clean, user-friendly interface to manage transformation data efficiently. Let’s jump in.

**Launching the Application (0:20 - 0:35)**

I launch the app by running app.py. The interface opens with a tabbed layout for initiatives, events, and metrics—making navigation straightforward.

**UI Enhancements (0:35 - 0:55)**

I upgraded the UI with clearer labels and interactive widgets like date pickers, combo boxes, and checkboxes—improving both speed and accuracy in data entry.

**Modular Codebase (0:55 - 1:15)**

Under the hood, the app features a modular architecture: key classes manage database integration, main app logic, and reusable helpers.

Each component is documented with detailed docstrings and supported by a comprehensive README to simplify maintenance and onboarding.

**User Queries & SQL Tools (1:15 - 1:50)**

The new User Queries tab lets users create, save and document custom SQL queries.

Checkboxes help categorize queries, which show up in the Run Queries tab.

There’s also built-in query validation to catch risky commands—like schema changes or delete statements, preventing them from causing damage or data loss.

**Running Queries & Exporting Results (1:50 - 2:30)**

From Run Queries, users select and execute saved custom queries.

Use the type selection to filter the list of available queries, then select a query to run.

Results appear instantly and can be exported as CSVs—perfect for sharing or deeper analysis.

**CRUD & Live Data Refresh (2:30 - 2:50)**

All core functions remain—add, update, and delete records easily. Click Refresh anytime to sync with the latest data from the database.

**Closing (2:50 - 3:00)**

That wraps up the enhanced Value Measurement Database App: intuitive UI, robust architecture, and smarter data tools. Thanks for watching!