Day 4 lab work

This is the Core Class lab work for day 4. To earn certification from this class, you must complete this lab work during the designated time in class.

Instructions

Using the same project we have been working on throughout the class today, complete the following steps.

Add a Perspective View

1. Create a new view in **Perspective**.
2. Name the view **Conveyor**.
3. Set the **Layout** to **Coordinate** or **Flex.**
4. **Resize** the view to **300 x 300**.

Configure the View

1. Add a **View Parameter**.
2. Select **Value.**
3. Set the parameter **Key** to **ConveyorName.**
4. Set the parameter **Value** to **Conveyor 1.**

Add components

1. Add a **Label** component to the view.
2. Set the **Text** property of the **Label** to display the value of the **view parameter.**
3. Add a **Multi-state Button.**
4. Use **indirect bindings** to allow users to **view** and **control** the **HOA** tag of the selected Conveyor.
5. Add a **Numeric Entry Field** component.
6. Use an **indirect binding** to allow users to change the **SpeedSP** tag from the view.
7. Add a **Label** component to the view.
8. Set the **Text** property of the **Label** to **SpeedSP**.
9. Add an **LED** component.
10. Use an **indirect binding** to display the **Amps** tag.
11. Add a **Label** component.
12. Set the **Text** property to **Amps.**
13. Repeat steps 9-12 to display the values of the **Speed** and **Totalizer** tags, with matching **labels**.

Add another View

1. Add another Perspective **View.**
2. Name the view **Lab work day 4**.
3. Set the **Layout** to **Coordinate.**
4. Check **Page URL.**
5. Ensure the URL is set to **/labwork-day-4.**

Add embedded views

1. Add an **Embedded View** component**.**
2. Set the **View Path** to the **Conveyor** view.
3. Add an **Object Member** parameter.
4. Select the **ConveyorName** parameter.
5. Set the parameter value to **Conveyor 1.**
6. Repeat steps 1-5 to add three additional **Embedded Views**, each pointing to a different Conveyor.

Test your work

1. Click **Views** in the **Perspective Module** in the **Project Browser**.
2. Right-click on **/labwork-day-4** in the **Page Configuration** section.
3. Select **Launch URL**.
4. Ensure that the view displays correctly.

Lab work check

Once you have completed all of the steps above, please let your instructor know so that they can check your work. Please do the following:

1. Have your Designer open to the Lab work day 4 view. Also have your web browser open to the /labwork-day-4 page. The instructor will:
   a. Verify that there are the correct number of instances of the conveyor view.
   b. Verify that each instance is displaying data correctly.
   c. Verify that your web browser is on the correct page and displaying the view correctly.

Additional challenges

If you finish the lab work early, give these challenges a try.

Completing these challenges is not required for certification. Your instructor will not cover these in the lab work review.

1. Add styles to format the **Conveyor** view.
2. Create a **Breakpoint** view that displays multiple Conveyors on a wide screen and a **Carousel** of Conveyors on a small screen.
3. Add a **Vision Window** that includes components to collect basic user information: first and last name, email, phone, etc. Add a **Button** to the window that collects that information into a single string and displays it in a **messageBox**. (If you know SQL, you can also try getting this button to add that information to a table in the database.)

Virtual classes only

If you are taking the class virtually, please use the Windows Start menu to properly shut down the machine after your work is checked.