

In-Class Assignment 15

Connecting an Access Front End to a MySQL Back End

Read the scenario below, then follow the instructions and answer the questions that follow. Update the **Weight.accdb** Access file and submit to Canvas by the deadline listed above. Save your file frequently to avoid losing work!

Scenario:

You previously built a database in MySQL for the randomized controlled trial (RCT) examining the efficacy of a new weight-loss drug called WL001A. You will now connect data entry forms and reports in Access to the existing MySQL schema.

Forms:

1. Open the **Weight.accdb** file and establish an ODBC connection to the weight schema in MySQL. (If your schema required substantial corrections, you may drop and recreate the schema based on solutions to assignments 13 and 14.)
 - Specify linked tables
 - Select all tables and views from the schema
 - When prompted to select unique identifiers for tables that represent views, click Cancel to ignore the prompts
2. Open the existing forms in design view and ensure that the record source for the form refers to the appropriate linked table
3. For any data entry fields appearing with a green triangle in the corner while in design view, open the Property Sheet and change the control source to refer to the correct variable name
4. Change the following fields to combo boxes and set their properties appropriately:
 - Tx Group
 - 1=WL001A
 - 2=Placebo
 - Prediabetes
 - 1=Yes
 - 0=No
 - Visit Type
 - 0=Baseline
 - 4=Week 4
 - 8=Week 8
 - 12=Week 12
 - 16=Week 16
 - 20=Week 20

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5. For the following combo boxes, add the corresponding list items edit form (under Data tab in field properties)
 - Adverse Event → frm_adverse_events
 - Medication → frm_medications
 - Diagnosis → frm_diagnosis
6. Add the following validation rules along with appropriate validation text:
 - Age between 18 and 55 years
 - Adverse event date between 6/15/2017 and today

Report:

Create a report for the tables that represent the weight by visit view in the MySQL schema:

1. Name it rpt_weight_by_visit
2. Change the report caption to Weight by Visit
3. Format it to look as follows:



Weight by Visit

Participant ID

Visit	Weight
Baseline	68.04
Week 4	65.77
Week 8	64.86
Average Weight	66.22

Participant ID

Visit	Weight
Baseline	91.63
Week 4	92.08
Average Weight	91.85

Participant ID

4. Add a button to the main menu to open the report in print preview

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Data Entry:

Add the following record of data via the forms and ensure that this new information is reflected in the report

Participant 1, Week 12, weight = 63.92

1. Post a screenshot of the updated table to confirm that your data entry was successful