

Laboratory #3

Application Switchboard, Macros, and Startup Settings

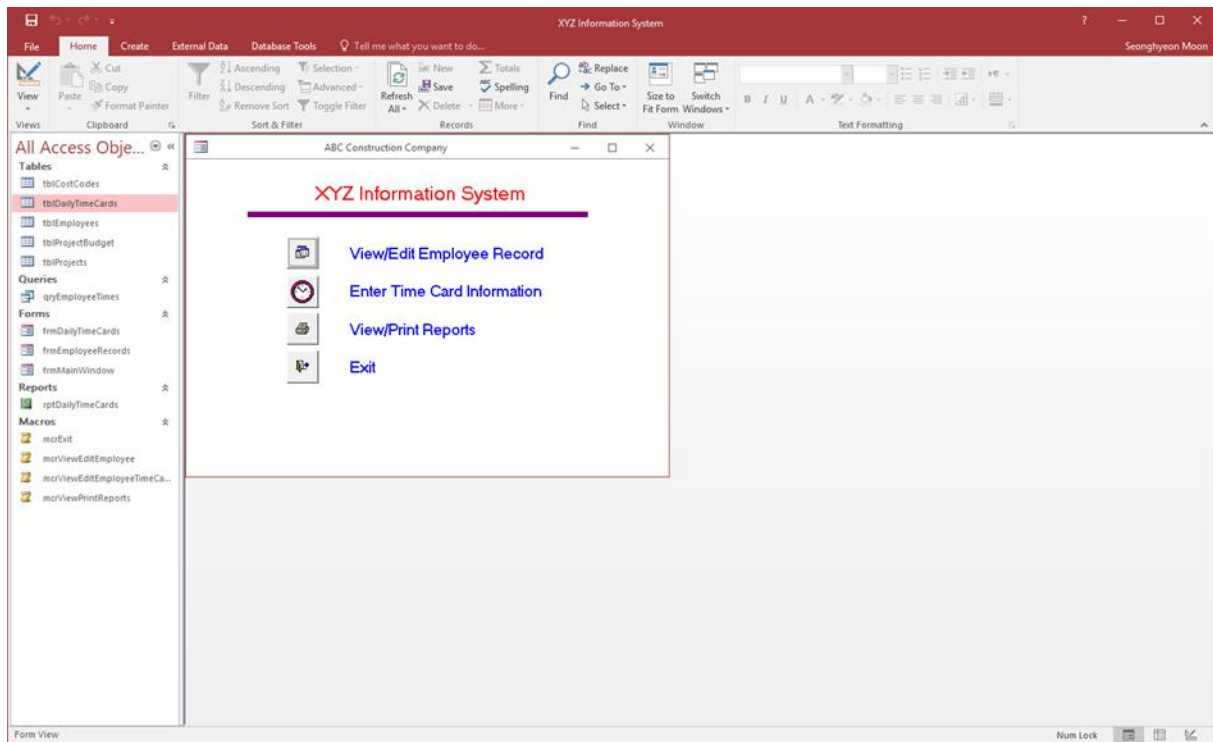
Topics:

1. Application switchboard
2. Macros
3. Database startup settings

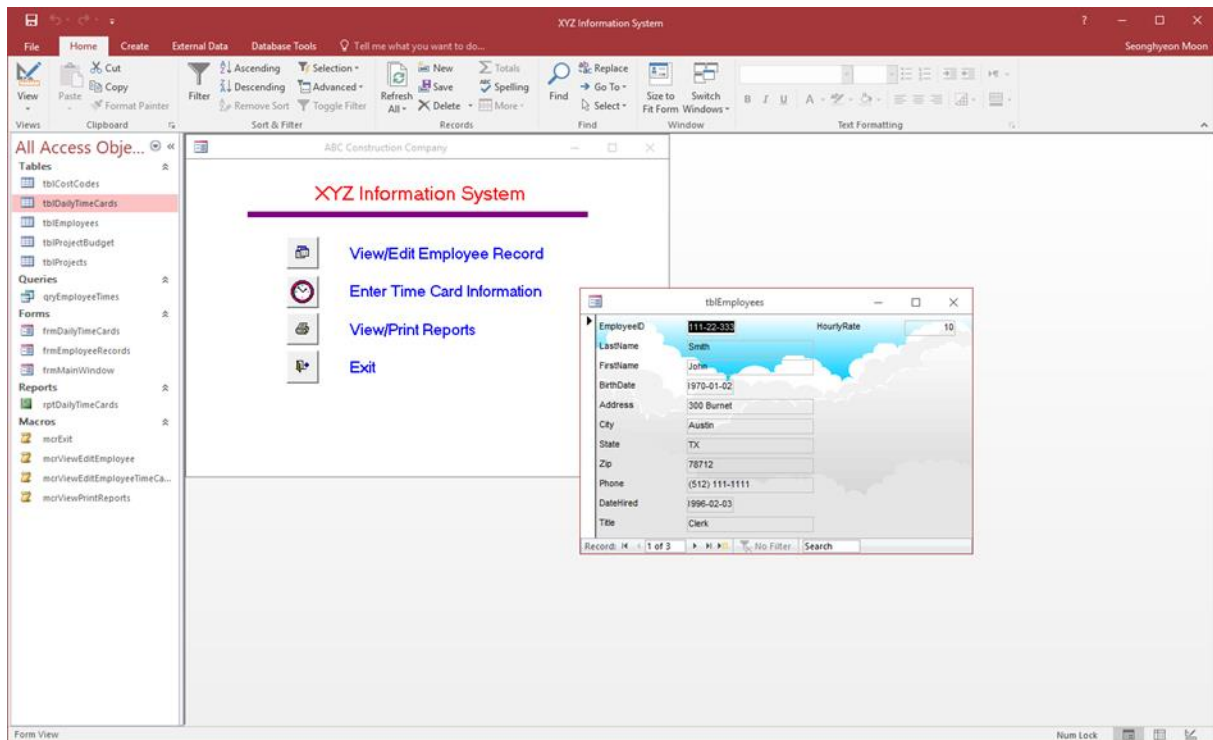
Homework #2: (Due Date: 2017/10/23)

1. Design an application switchboard similar to that of “Lab3 Final.mdb.” (a) Use the employee table/form you created in Homework #1 for the “View/Edit Employee” command button, (b) update the tblTimeCards table to include the new entries you added in Homework #1 and link to the “Enter Time Card Information” command button, and (3) Create a new form to connect to the “View/Print Reports” command button. This new form should contain two command buttons that will allow the user to preview/print the two reports you created in Homework #1. Change the settings of the startup options so that the database functions like an independent program.
2. Submit the database file: Make sure that you include the homework number, your ID and name, and the file number in the file names to facilitate identification (e.g. “HW2_2015-21288_Seonghyeon.mdb”).

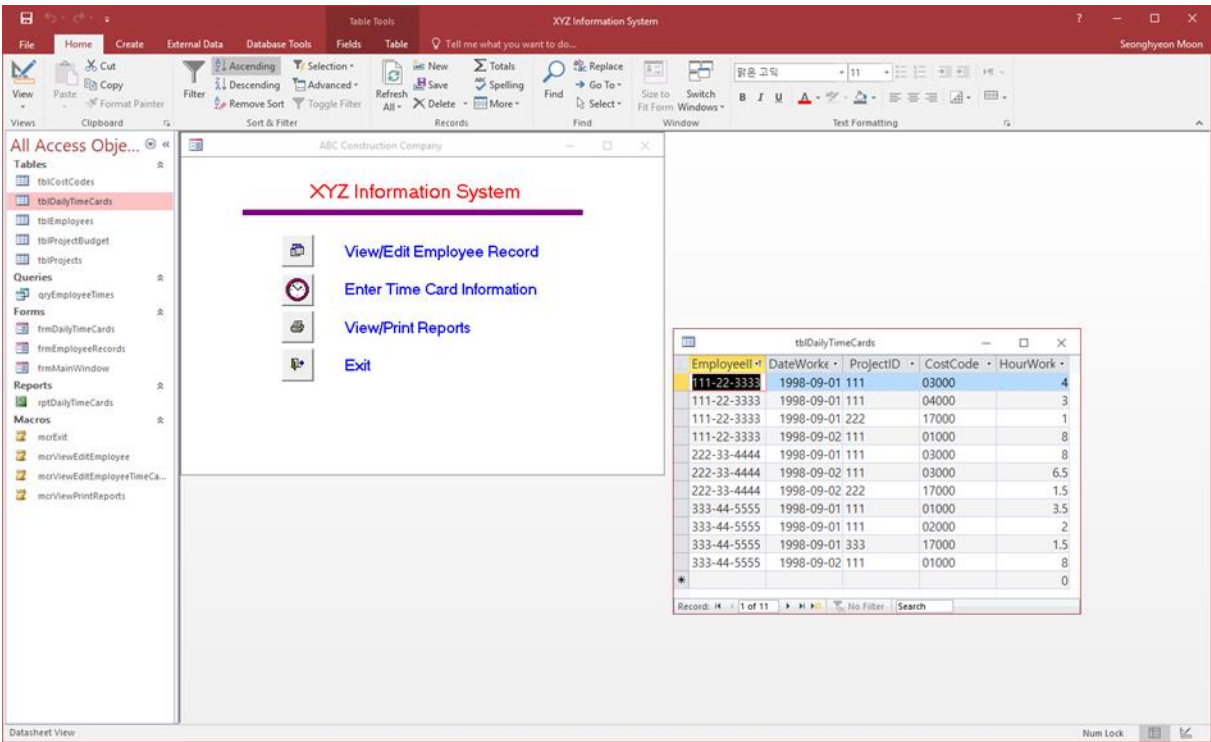
1. Create an application switchboard.



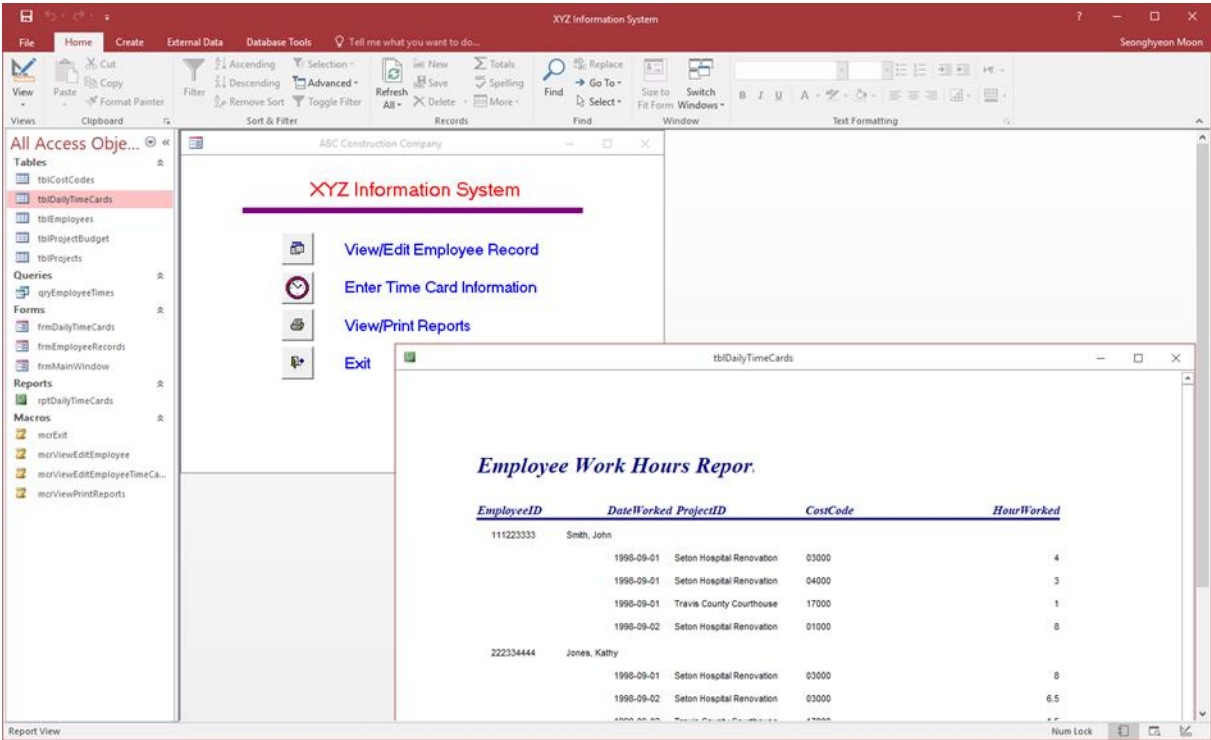
2. When implemented, this is what you will see when you click View/Edit Employee Record.



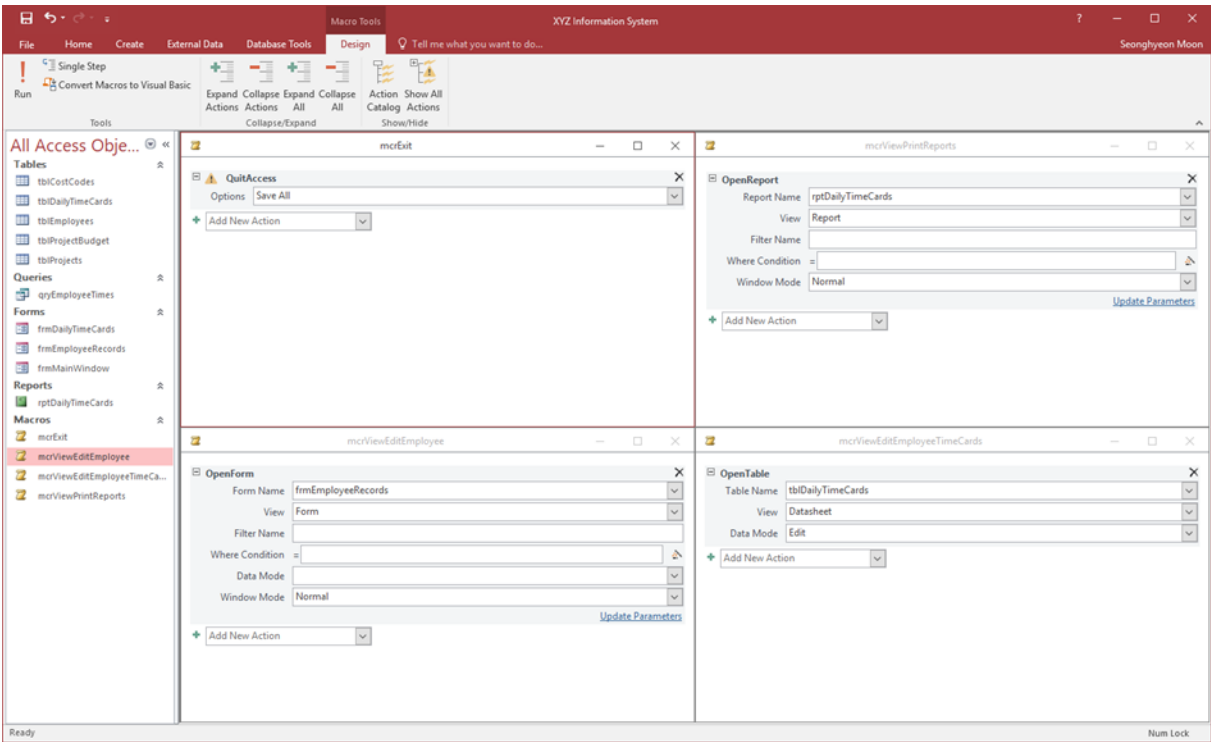
3. When implemented, this is what you will see when you click Enter Time Card Information.



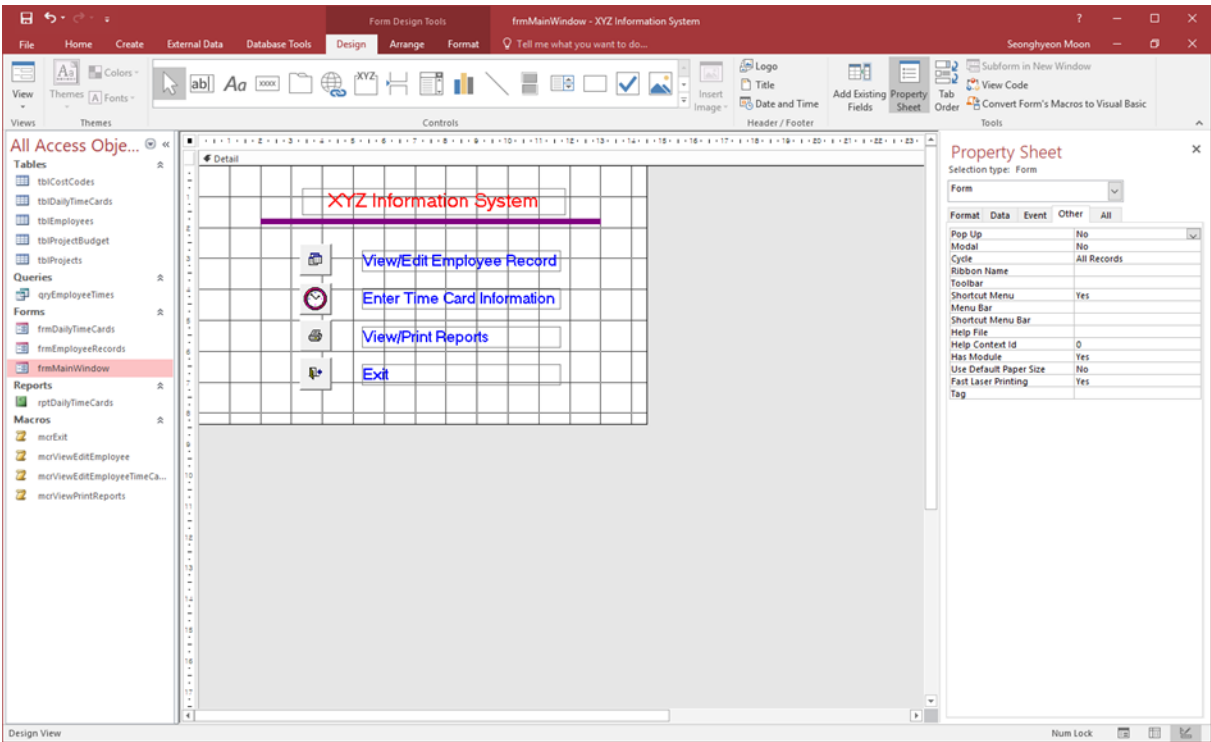
4. When implemented, this is what you will see when you click View/Print Reports.



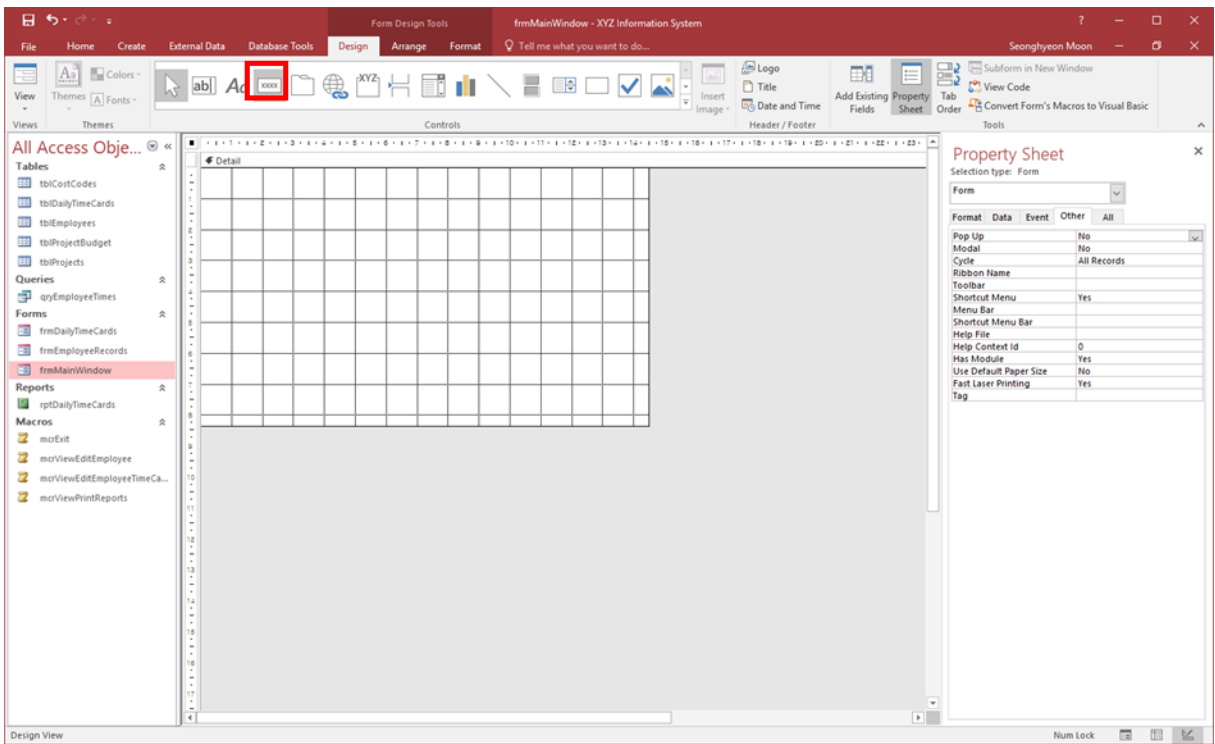
5. Create macros to implement actions.



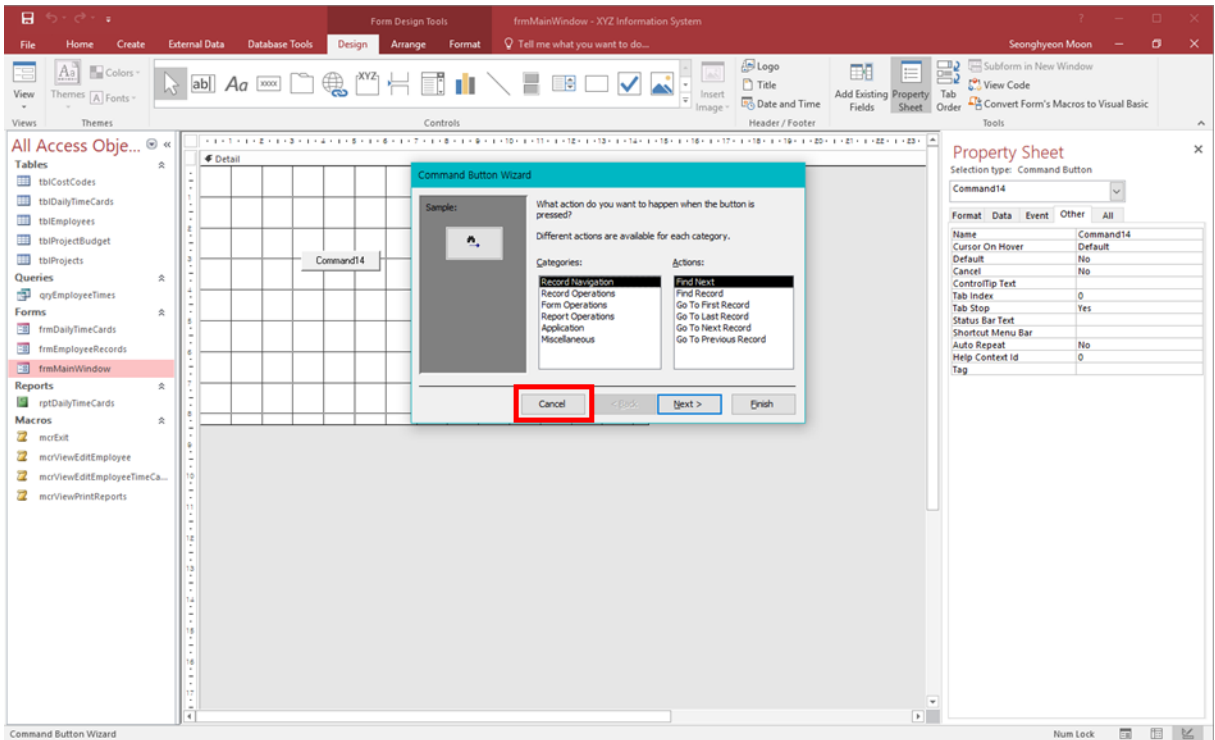
6. Create a new form that will look like this.



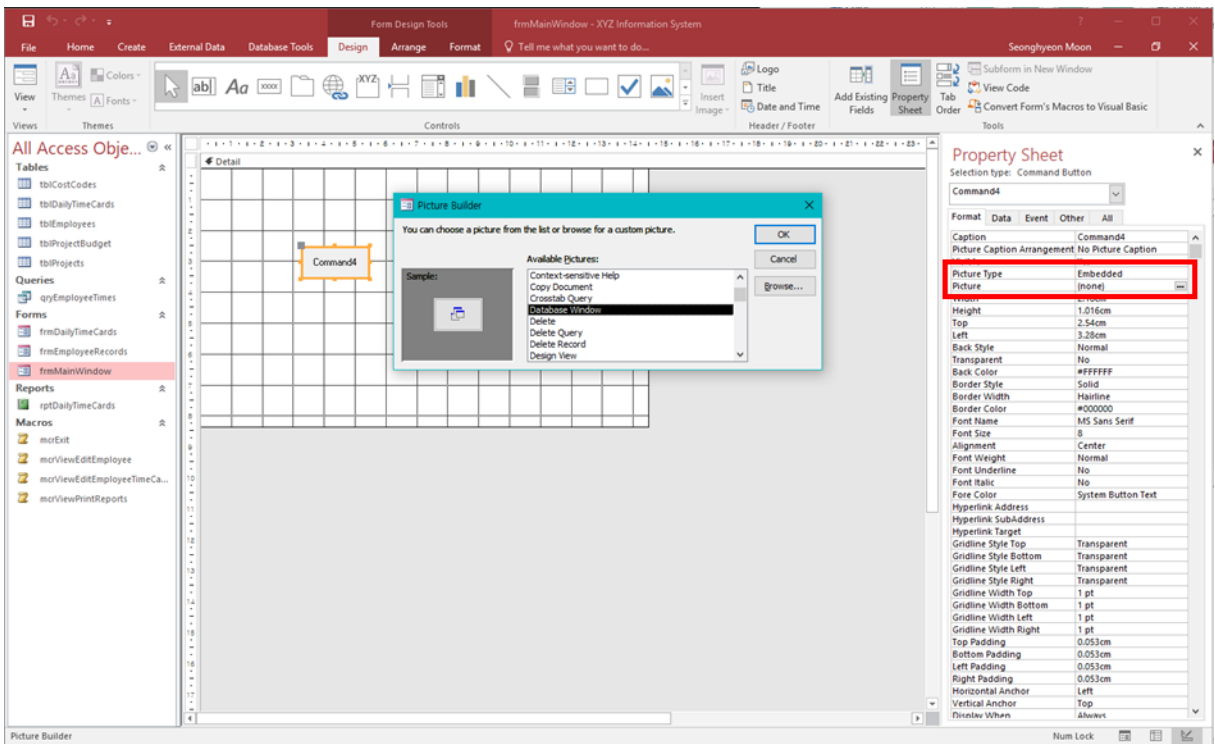
7. Create a new form in design view. Add a “Command Button”.



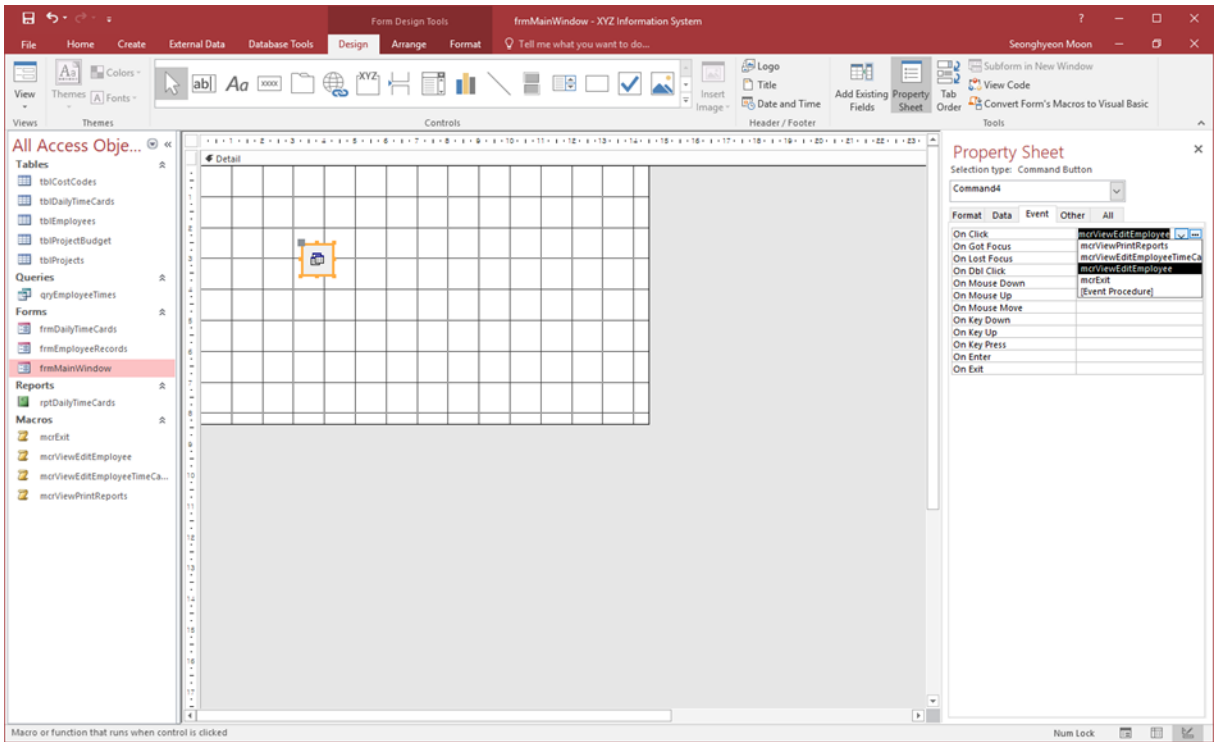
8. For this particular example, you will need to cancel this action.



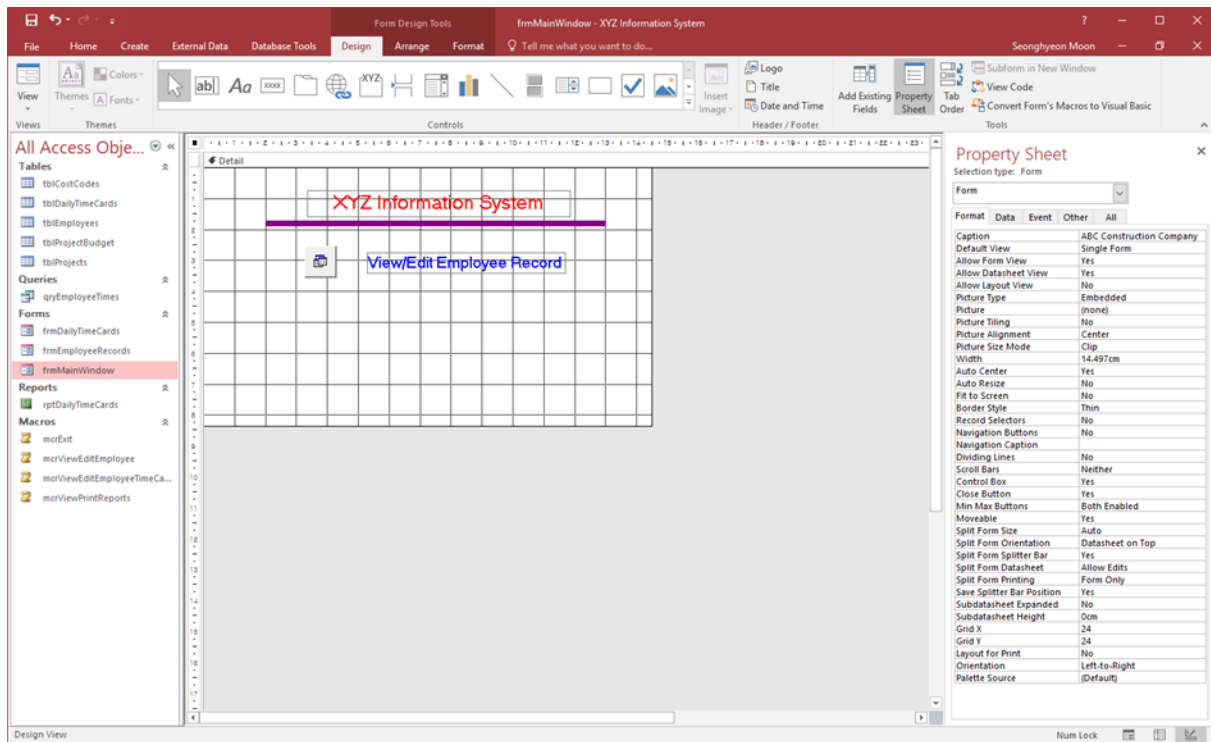
9. Add a picture to the Command Button.



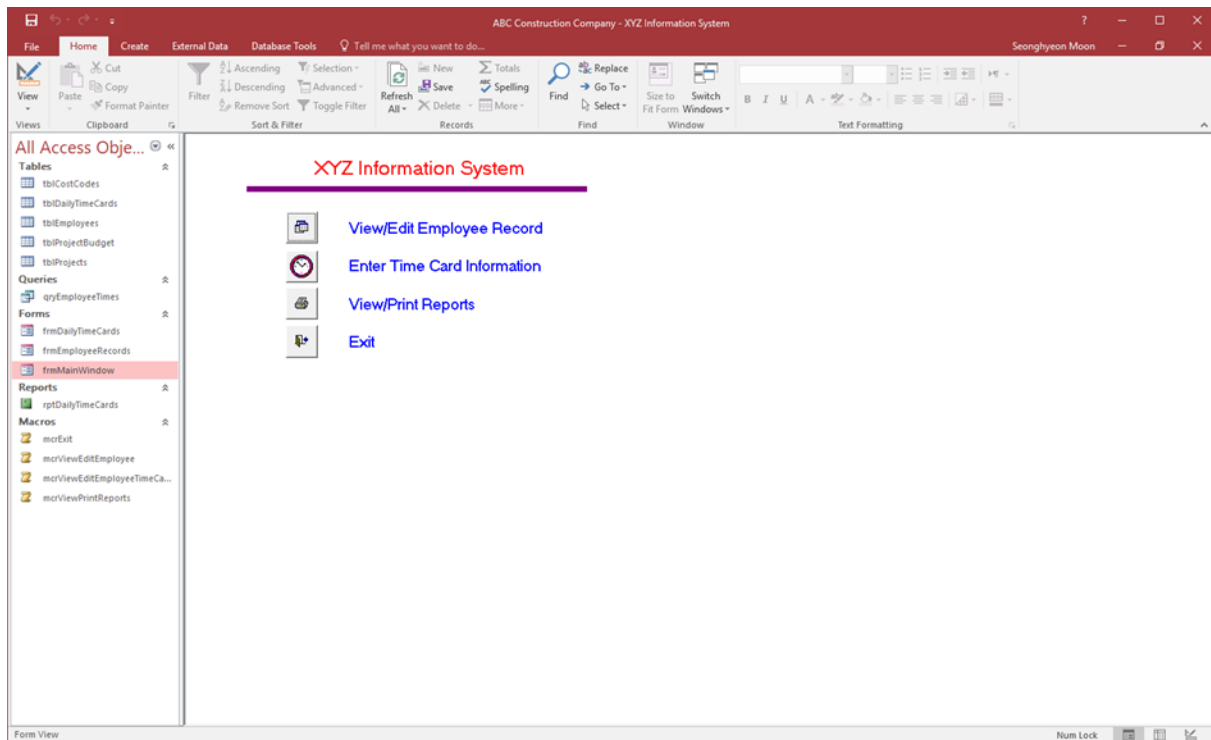
10. Add an event to the Command Button (on Command Properties).



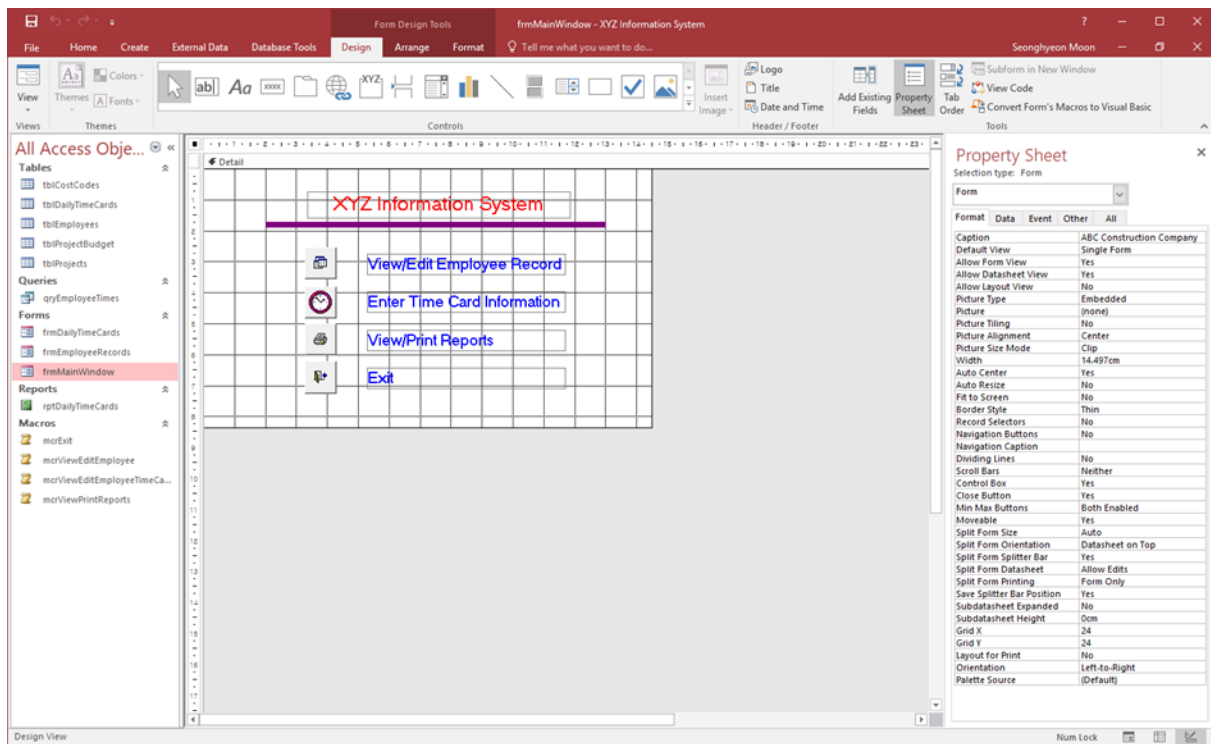
11. Add labels and command buttons. Format them accordingly.



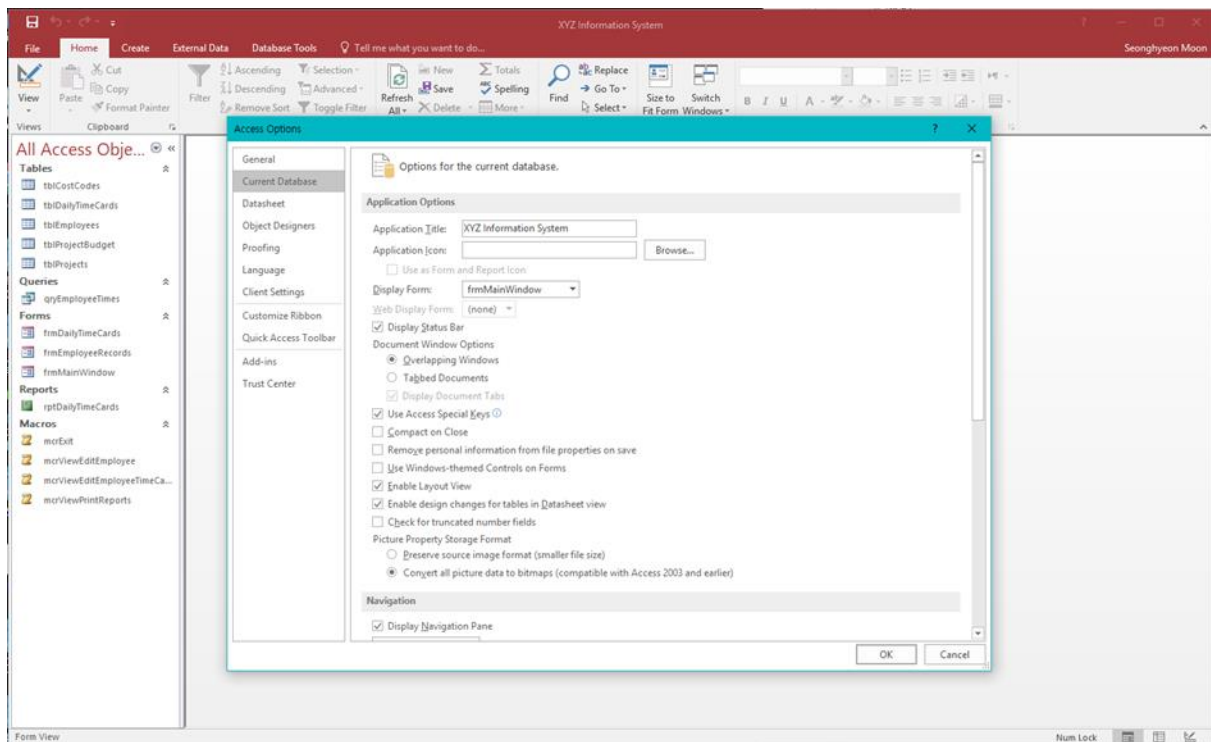
12. This is the final form.



13. Check Form Properties.



14. Set up Startup Settings.



Laboratory #3 - Exercise

QUESTION

1. Design and implement a relational database for the following situation:

A company has a number of employees. The attributes of EMPLOYEE include Employee_ID (identifier), Name, Address, and Birthdate. The company also has several projects. Attributes of PROJECT include Project_ID (identifier), Project_Name, and Start_Date. Each employee may be assigned to one or more projects, or may not be assigned to a project. A project must have at least one employee assigned, and may have any number of employees assigned. An employee's billing rate may vary by project and the company wishes to record the applicable billing rate (Billing_Rate) for each employee when assigned to a particular project.

2. Add a few entries to the database tables.
3. Design, implement, and run a query to list employees by project and their respective billing rates.