**Project Requirements**

The WBank project should have the following minimum entities: **Locations, AccountType, Employees, Customers, Deposits, Withdrawals** and **CheckCashing** A link has been added to download the required WBank entities and minimum attributes with primary keys and foreign keys that will be required to complete this project. You will need to download the list of entitles to complete your course project. ([Click here to download the WBank entitiesPreview the document](https://ecpi.instructure.com/courses/29236/files/4230909/download?wrap=1))

**Part A: ER Diagram (ERD)**

1) Use MS Visio to create an ER diagram (ERD) for the WBank database described above. Name the file as **WBankOfAmericaDiagram\_\_your name.vsd.**

In the ERD, make sure you:

* Define the entities.
* Show all the attributes, including PK and FK.
* Show all the relations.
* Define the correct cardinalities for your relations.

**Part B: Create and populate database**

2) Based on the ERD, use T-SQL to generate the WBank database and populate your database with the following requirements:

* **20 rows of data for the following tables:**
  + Employees (should live in different states)
  + Customers
* **20 rows of data for the following tables:**
  + Deposits
  + Withdrawals
  + CheckCashing
* **10 rows of data for the table:**
  + Locations
* **3 rows of data for the table:**
  + AccountType

**Part C: Data Diagram**

3) Create a data diagram for the WBank database.

* Save as **CIS435\_Sp\_dataDiagram\_yourname.sql.**

**Part D: Views/Stored Procedures/Functions and Scripts**

4) Create the following SQL objects based on your WBank information available:

* Create two SQL views.
  + One view will get the customers’ name, address, and phone number with deposit over $1000.00.
  + Save as **CIS435\_AllCUstomer\_yourname.sql.**
  + Another view will be an Employee view, in this view, you will need to get all the information about those employees who work in the same state, such as state of Virginia (VA).
  + Save as **CIS435\_EmployeeSameState\_yourname.sql.**
* Create a function.
  + Name the function fn\_getFulName with 2 input parms (first name and last name).
  + The function will return a full name based on the available data stored in Customers table.
  + Save as **CIS435\_fn\_getFulName\_yourname.sql.**
* Create a stored procedure.
  + The stored procedure should modify the employee table, such as employee HourlyPay increase.
  + Save as **CIS435\_Sp\_employeePay\_yourname.sql.**