My project was an attempt at an HR type database. Data was pulled from Mockaroo to simulate employee data such as job title, department, salary and address. Once data was pulled, I utilized SQL Server Management Studio to create the database Final\_Project which is the destination for all of the data. I used Visual Studio 2022 as a means to import the csv files into the database and create four tables. In addition, there is also a way to clear the imported tables as well as backup the database within the SSIS package.

The running of the SSIS package resulted in the creation of four tables within the Final\_Project database: Dept\_Title\_Salary, Employee\_Address, Employee\_Data, and Job\_Table. There are several different functions written in the code, such as an Update function that allows the user to specify and change salaries that fall below a user-specified threshold. There is a Procedure that joins several tables together so we can see employee names, their title as well as their salary. I also created a Function that allows the user to specify a job title and pull out the employees that hold that title. I also created a View in conjunction with some joins that pulls out the employees with the top 10 salaries and order them highest salary to lowest salary. Finally, there is a Select Into statement that creates an additional table titled Quality\_Engineers. This function also utilizes some joins to pull out the employees who hold the title Quality Engineer, along with their salary information. There is also a Delete function that deletes any employee from the Quality\_Engineers table with a salary less than $148,000.