

## Task: Build a File Importer for User Data

**Objective:** Students will create a console application that imports user data from a CSV file into a SQL Server database using ADO.NET. They will also use streams to read the file and handle data processing.

### Table Structure:

Create a SQL Server database named **UserDB** with a table **Users** as follows:

```
CREATE TABLE Users (  
    UserID INT PRIMARY KEY,  
    Username NVARCHAR(50),  
    Email NVARCHAR(100),  
    PasswordHash NVARCHAR(255),  
    Status NVARCHAR(20),  
    AddressLine1 NVARCHAR(100),  
    AddressLine2 NVARCHAR(100),  
    City NVARCHAR(50),  
    State NVARCHAR(50),  
    PostalCode NVARCHAR(20),  
    CountryID INT,  
    CreatedAt DATETIME  
);
```

### Instructions:

#### 1. Set Up the Database:

- Create the **Users** table as defined above.
- (Optional) Create a **Countries** table with some country data for the **CountryID** foreign key.

#### 2. Build the Console Application:

- The application should:
  - Read the **users.csv** file using **StreamReader**.
  - Parse the CSV data and map it to the **Users** table columns.
  - Insert the data into the **Users** table using ADO.NET.
  - Handle any exceptions, such as duplicate **UserID**, invalid **CountryID**, or database connection issues.