# ATTS C# Assignment

You have a day to develop a small desktop application per the brief below using Visual Studio 2013 and written in C#, although the problem should only take around an hour.

## Problem

You are designing an application that processes account transaction data to calculate tax figures for a client tax return. You are investigating the import part of that process.

The transaction data has 4 columns: Account (text), Description (text), Currency Code (text) and Value (numeric) and could have up to 1m lines. The format of the data will be in Excel (xlsx) or CSV. Given the potential volume of the data, you are concerned about import time.

## Requirement

To develop a small utility in WPF that does the following:

* Allow the user to select a file and show the current file name (*only one of XLSX* ***or*** *CSV needs to be supported at this stage*)
* Allow the user to upload the content of the current file to a table in a SQL database
* Each line of data should be validated before it is uploaded – all fields are required, Currency Code must be a valid ISO 4217 currency code and Value must be a valid number
* A progress bar should report the status of the current upload
* On completion, the number of lines imported and the details of any lines ignored due to failed validation should be shown.

Any solution should use best practices where appropriate demonstrating your ability to write clean, readable code and an understanding of design principles. Use of MVVM is preferred in spite of the relative simplicity of the application.

## To be supplied

* Code or, preferably, a git repository
* Any database scripts
* Any setup instructions