Instructions

The purpose of the exercise is to evaluate your approach to software development including object-oriented design, design patterns and testing.

* Complete the exercise in C#
* Structure your code as if this were a real production application
* State any assumptions you make as comments in the code. If any aspect of the specification is unclear, state your interpretation of the requirement in a comment.

Task

Write a c# console application that monitors a directory for csv files, reads them in and outputs a file in XML format.

The CSV to be imported has 14 columns and a header (example attached: CandidateTest\_ManifestExample.csv). The 14th column is optional. If it is blank then the value should default to GBP.

Each line in the CSV file (aside from the header) represents an item in a parcel. An item belongs to a parcel if it matches the Parcel Code. Parcels belong to a Consignment if the Consignment No matches. Consignments belong to an Order if the Order No matches.

The XML file output should have the following nodes:

* Orders
* Order
* Consignments
* Consignment
* Parcels
* Parcel
* Parcel Items
* Parcel Item

Additionally within the Orders node there should be a Total Value and Total Weight node representing the total value and total weight of all the consignments for that Order.

Deliverables

A .Net project written in C# that meets the requirements of the task. Please include all files required to build and run the software.