Project Introduction

Breakaway Studios needs a custom solution for their Business Central company. They just finished shooting a new tv series for Flisney. Flisney does not have an up-to-date ERP system for today's standards and can not send Breakaway Studios electronic invoices, only printed bills, but they can export them out of the system as XML data. Since Breakaway Studios is a green company and does not want to waste paper, the time that would take them to hand type in all the invoices to business Central would be very inconvenient and cost too much money. They would need to hire more people, which takes time, time they do not have. So, they decided to contact you and ask if you could solve this for them.

You reply with a smile and tell them this is easy to solve. You need a custom solution extension for your company that has an XML port that imports the data to a temporary table, and then you would write up some code that takes the information and creates a sales invoice.
All this would happen with a click on a button on the sales invoice list.

Breakaway Studios is pleased that there is a solution and sends you an example XML invoice from Flisney.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<Flinsley>
    <Invoice>
        <CustomerNo>20339921</CustomerNo>
        <Project>OnSet</Project>
        <ResourceType>Resource</ResourceType>
        <ProductNumber>LYFTA</ProductNumber>
        <Qty>3</Qty>
        <Price>5900</Price>
        <Discount>10</Discount>
    </Invoice>
</Flinsley>
```

Based on the XML data, you create a table with all the fields listed and choose the appropriate datatype for each field.

Before you go ahead and start working on the XML data import, you create a List page to make the import more visual.

The XML import should only be able to import data, not export. And you create an import button on the list page and a delete-all button. These actions call a procedure in a codeunit where you keep all functions.

[Codeunit with some functions is included with the assignment]

Now that you have successfully created a solution that imports the data, from the XML file, you continue to work on the logic that creates the invoice.

You break up the logic in reusable procedures and write them down and approach them as tasks

- CreateSalesHeader
- AddDataToSalesHeader
- CreateSalesLines
- ConvertStringToDecimal
- GetNextDocumentNumber
- …

You are feeling good about yourself, and all you have left to do now is to create an action button on the invoice list that imports the XML document and creates the invoices, select the appropriate image for the button, do a final test and call Breakaway Studios and set up a meeting where you show them how the solution works.

The whole project is to be submitted in a zip folder, and the video where you show the solution.

Things to consider

- The solution should start at object range 50120
- Constructure files and name them as taught in class