Text To XML Converter – User Manual

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1. About The Converter

Text To XML (TTX) Converter is a software that receive as an input text file (.txt), which is contain a data about bank customer details and his transactions, and create an XML file, by no more than few clicks.

Learning to use the software is very easy. We assume that you familiar with XML files and working with them. Anther assumption is that the input file, the data to feed the application, is on-hand and ready to conversion by the rules we will introduce later on the user manual.

This user manual presents an overview of the application's features and gives step-by-step instructions for completing the task followed by photos. In addition to the instructions we describe possible errors that can occur.

2. System requirements

Please ensure that your computer meets or exceeds the following system requirements before running the TTX converter application.

Operating System	Any Microsoft Windows version.

3. Getting Additional Help

In the manual we tried to cover all of the information required to operate the TTX converter. But if you still have a problem or any improvement suggestions or unknown bugs:

- **To receive technical support and software assistance contact us : tomerarzu@gmail.com**

4.Step-By-Step Instructions

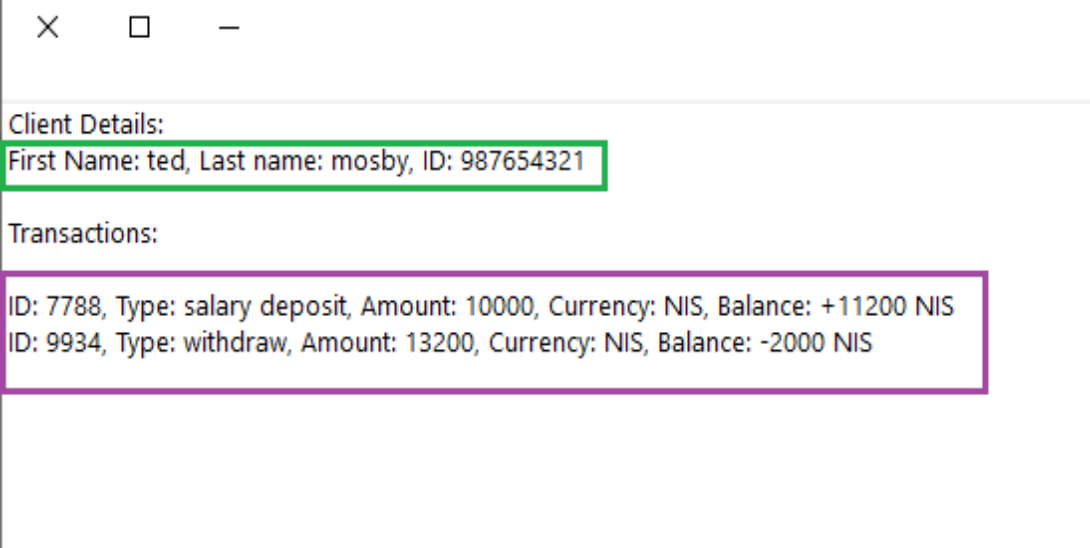At this point, we will go through the entire process- from validation of the data file to creating the XML file.

4.1. Check Your Input data

The data file must be followed by the rules as follow:

NOTE: To denote whitespace we will use underscore ("_")

- Two important lines the file must include:
    - The client personal details (Green)
    - The transactions details – at least one (purple)
- Client personal details must include three fields: "First_Name", Last_name", "ID".
- The fields is not case-sensitive which mean it can be written as "first_name" also, for example.
- After each of this field name it must have a colon (":") and one white space.
- Each field must contain the details it is describe, example: First_Name:_**Tomer**
- The values of the fields "First Name", "Last Name" can consist of two words.
  example: First_Name:_**Tomer_Adiel**
- After each field description we must have comma and one white space between the value of a field to the next field. Example: First Name: Tomer**,_**Last_name
- Each transaction must contain the fields: "ID", "Type", "Amount", "Currency", "balance".
- Also, in transactions section we must follow the same colon, whitespace and comma rules.
- The field "Type" can have one of the three following values: " salary deposit", "withdraw" and "credit card"
- The fields: "Balance" and "Amount" must contain a number.
- The field "Balance" must contain the currency after the value.
- Each transaction line needs to start in a new line and also here you must have all the values for each field.

  Any exception from these rules will pop up you a "Wrong File Format" warning and the text will not be converted to XML. The example below (fig. 1) demonstrate the exact format of the file:


```
Client Details:
First Name: ted, Last name: mosby, ID: 987654321

Transactions:

ID: 7788, Type: salary deposit, Amount: 10000, Currency: NIS, Balance: +11200 NIS
ID: 9934, Type: withdraw, Amount: 13200, Currency: NIS, Balance: -2000 NIS
```

fig. 1

4.2. <u>Upload And Convert File</u>

1. Click the button "Upload File". (fig. 2)
2. Choose ".txt" file follow the described format from your system by mark him and press "open" or double click on it. (fig. 3)
3. The path to the file should be appear in the text field right below the button as well as "Convent" button. (fig. 4)
4. Click On "Convert" button to convert. (fig. 4)
5. Now you can open and use your new XML file. (fig. 5)
6. When done you can choose to see the location of the file and open it or by pressing "Done" you can convert your next file or exit from the application by clicking the "X" button in the application header. (fig. 6)

NOTE: the convert the first file and the next files after it you must upload a file, as long as you will not upload a file the "Convert" button will be disabled. (fig. 7)
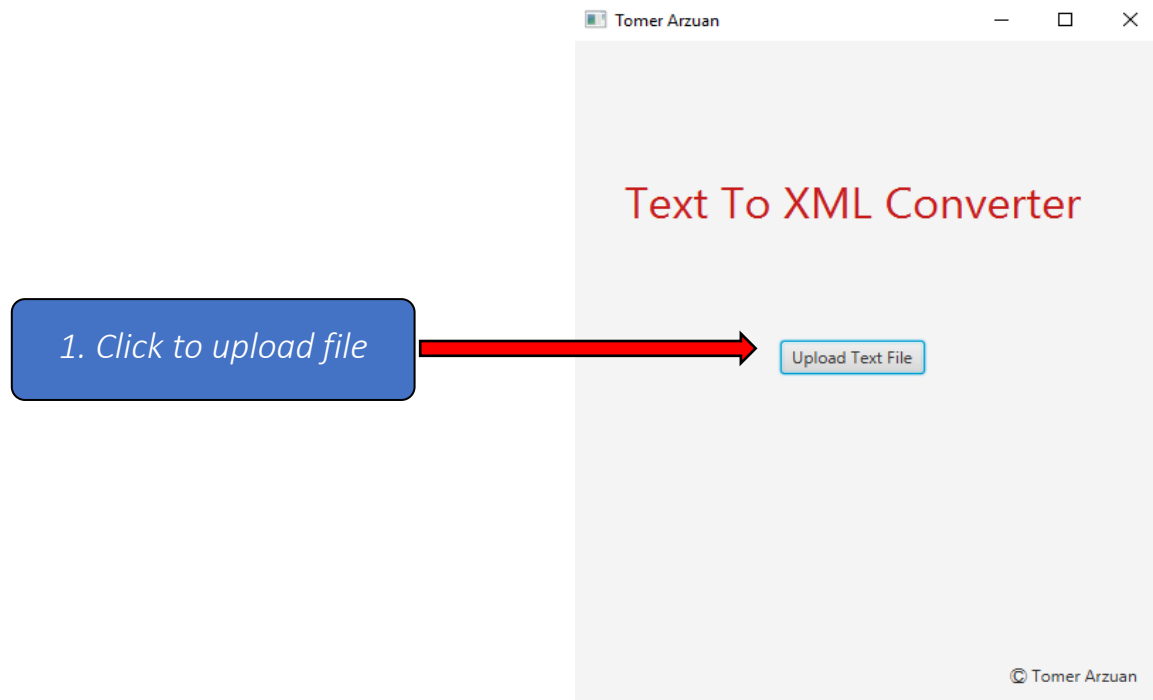

fig. 2

fig. 3

fig. 4

fig. 5

```xml
<?xml version="1.0" encoding="windows-1252"?>
<ClientInfo>
    <PersonalDetails>
        <FirstName>ted</FirstName>
        <LastName>mosby</LastName>
        <ID>987654321</ID>
    </PersonalDetails>
    <Transactions>
        <Transaction>
            <ID>7788</ID>
            <Type>salary deposit</Type>
            <amount>10000.0</amount>
            <currency>NIS</currency>
            <Balance>+11200.0NIS</Balance>
        </Transaction>
        <Transaction>
            <ID>9934</ID>
            <Type>withdraw</Type>
            <amount>13200.0</amount>
            <currency>NIS</currency>
            <Balance>-2000.0NIS</Balance>
        </Transaction>
    </Transactions>
</ClientInfo>
```
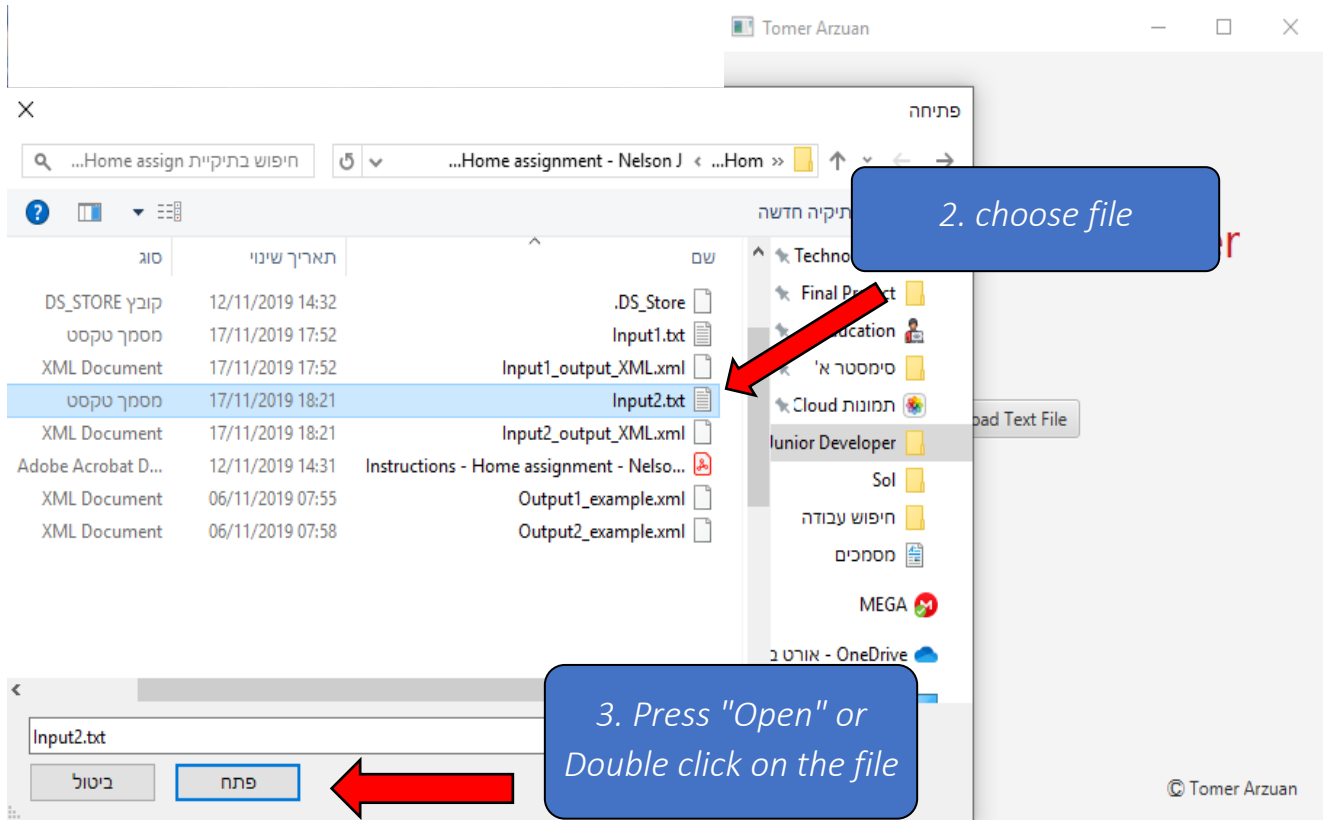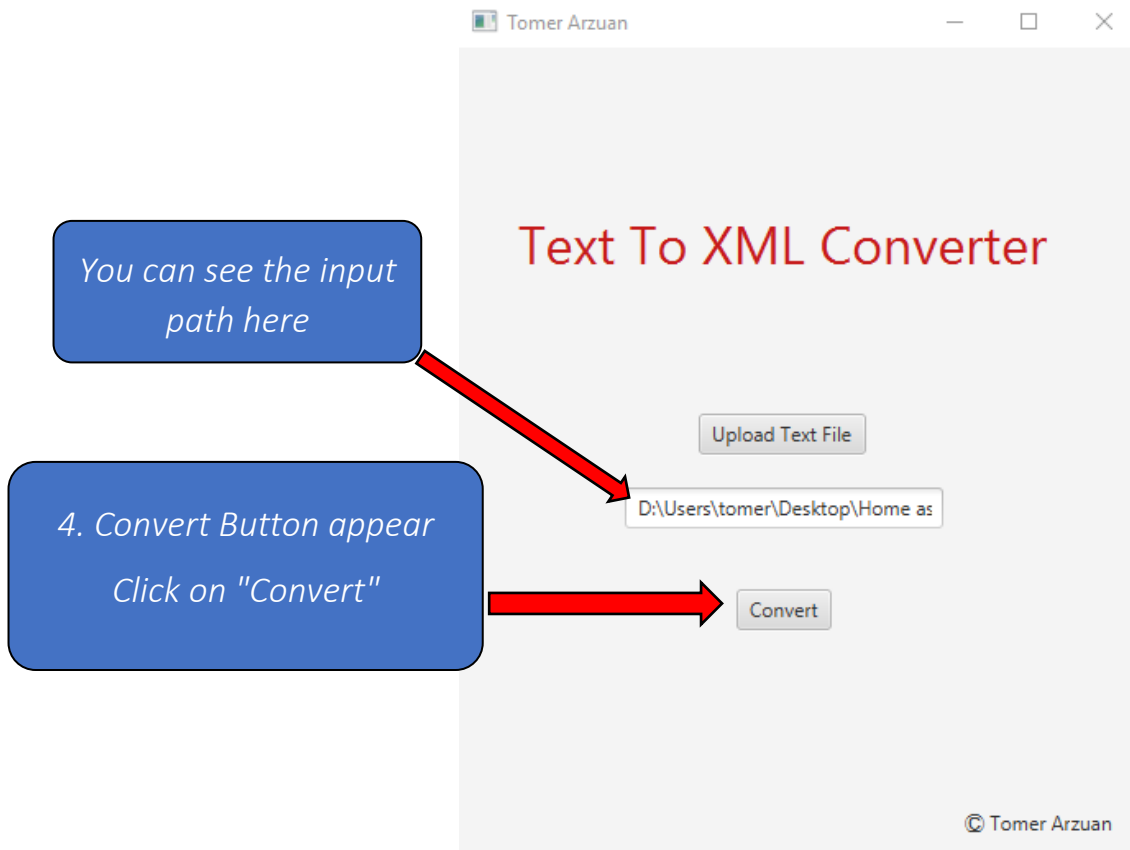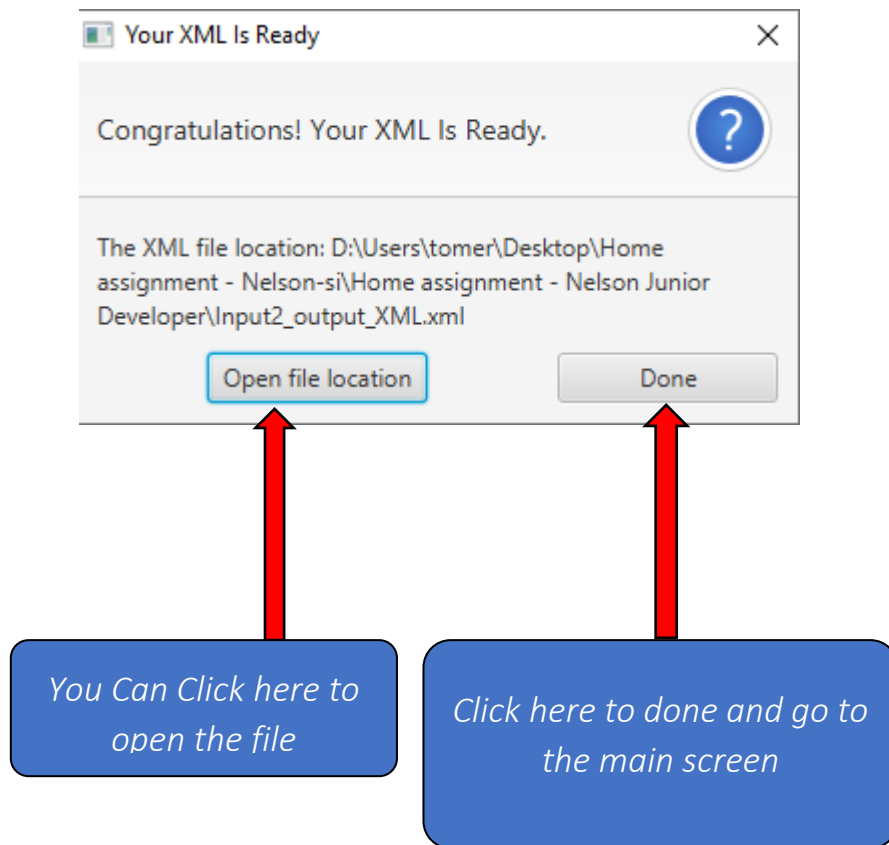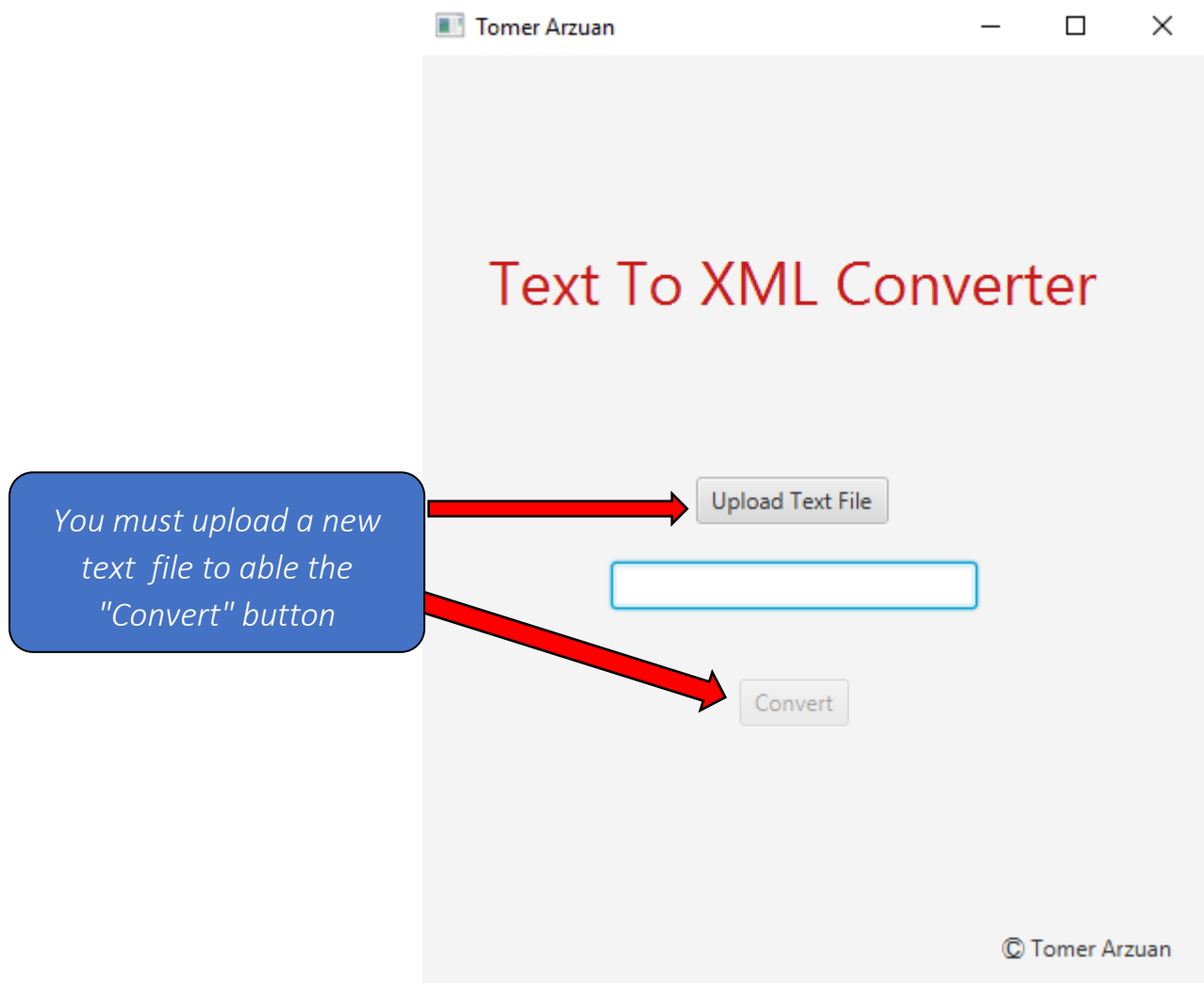
fig. 6

You must upload a new text file to able the "Convert" button

fig. 7

5. Errors Handling

TTX converter design to give a automate solution for converting XML files therefore it is design for only one text format as described above, any other format will produce an error. In this section we will go through all the possible errors. In the application each error message has an attached explanation.

1. Upload Wrong Format

The application support only text file format, you can recognize it by the suffix ".txt", any other format will pop up an error. (fig. 8)
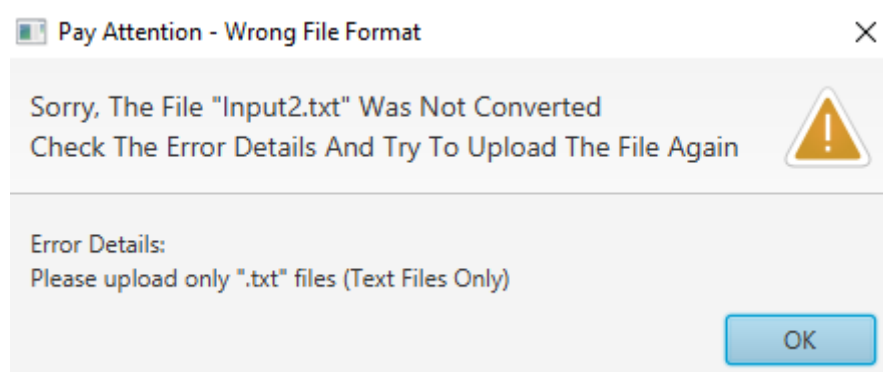

fig. 8

2. Wrong File Format

If the file structure is not following by the rules above, you will get an error while you will try to upload it. The error message will indicate you in which section the problem occurred but not on the problem itself. The error can be in the "Client Details" section or in the "Transactions" section. (fig.10)

NOTE: To avoid this error make sure your text file is in the correct structure.
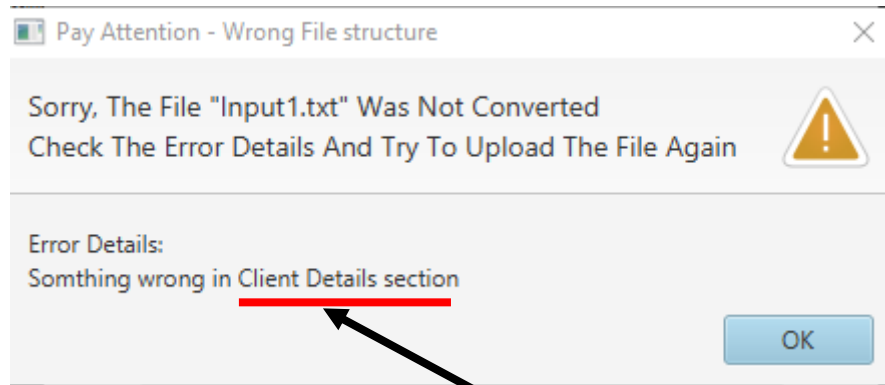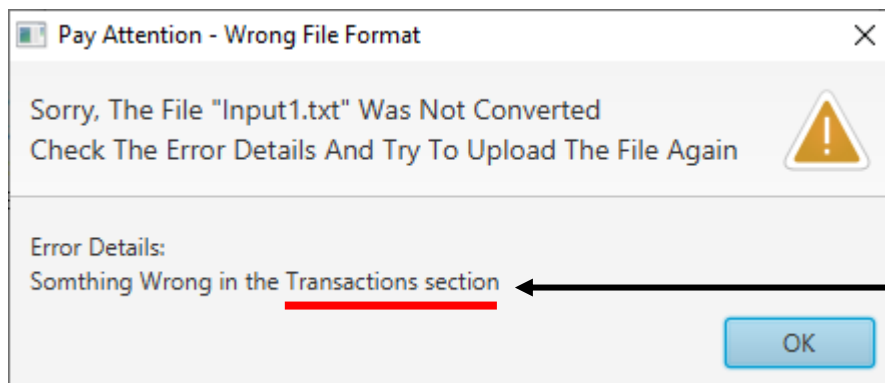

fig. 10

fig. 10

3. Balance Error

Balance Error occur when the balance is not match to the previous balance the error contains the id of the wrong balance transaction. _For example:_ the balance in transaction number 1234 was 120 NIS and then there was a salary deposit in amount of 100 NIS so if the balance will not be 220 NIS the error will occur. (fig. 11)

ID: 1234, Type: withdraw, Amount: 100, Currency: NIS, Balance: +1200 NIS
ID: 3333, Type: credit card, Amount: 450, Currency: NIS, Balance: +740 NIS
ID: 1212, Type: salary deposit, Amount: 5000, Currency: NIS, Balance: +5750 NIS
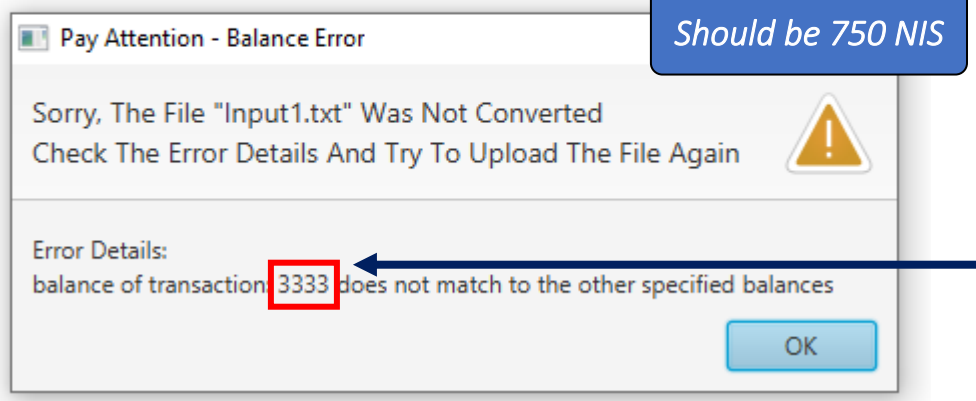ID: 5544, Type: withdraw, Amount: 300, Currency: NIS, Balance: +5450 NIS

Should be 750 NIS

Pay Attention - Balance Error

Sorry, The File "Input1.txt" Was Not Converted
Check The Error Details And Try To Upload The File Again

Error Details:
balance of transaction 3333 does not match to the other specified balances

OK

fig. 11

4. Other Types Of Errors

There is more other types of error, these error are not common and in case that one of these error occurs please contact us with the contact details that we provide above in section 3 of this manual "Getting Additional Help", provide us the error title and the error details as well as your details to give you response.

We hope this manual will help you to use and understand the app.

Thank you for your use!