



Table of Contents

| | |
|--|------|
| Overview Recap | 2-3 |
| Load Stock Take Secured App | 4 |
| Exporting a Database to Excel | 5-8 |
| Importing a Spreadsheet from Excel | 9-12 |
| Changing Database Column Names | 13 |
| Changing Database Column Order | 14 |
| Database Training Summary | 15 |

OPTICON

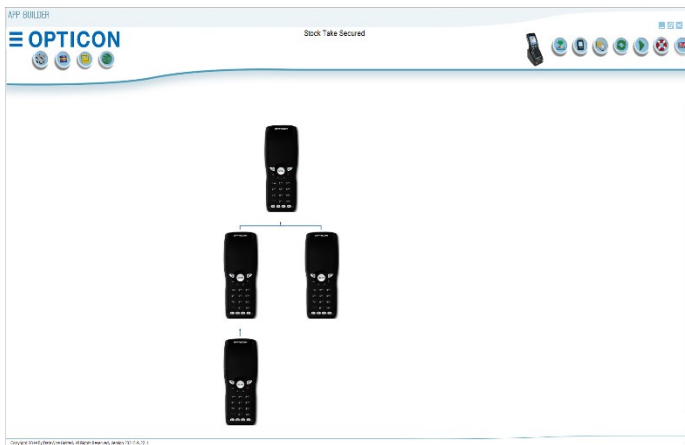
AUTHORISED OPTICON RESELLER



Overview Recap

In the Intermediate Training App, the *Stock Take Secured App* was created to demonstrate how an app could be modified to add security log-in and Stock Taking functionality.

The following objectives were focused on:



1. Modifying an App – Modify a simple App by adding Stock taking functionality

2. Add an additional Database

a. Created 4 columns with fields to represent a Barcode and Item (*Text Fields*), Quantity (*Number Field*) and Price (*Currency Field*).

b. Added 2 Items.

| BARCODE | ITEM | QUANTITY | PRICE |
|--------------|---------|----------|--------|
| 500014604... | OPH1005 | 2 | 400.00 |
| 590202052... | OPH3001 | 4 | 500.00 |

OPTICON

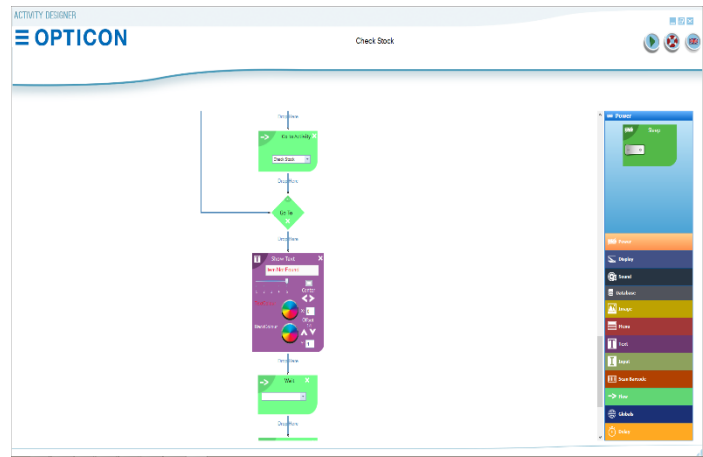
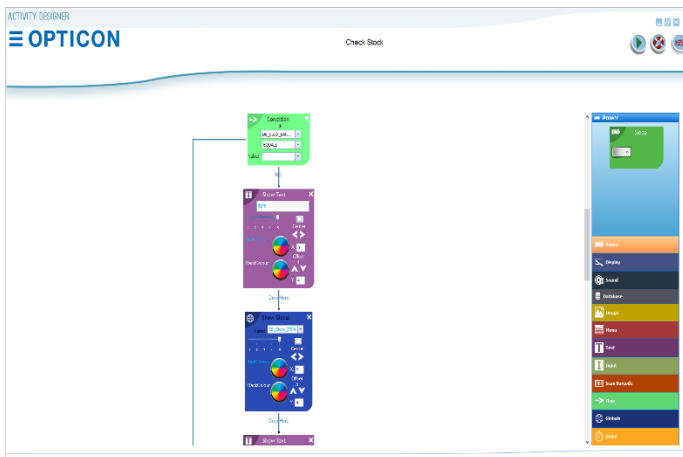
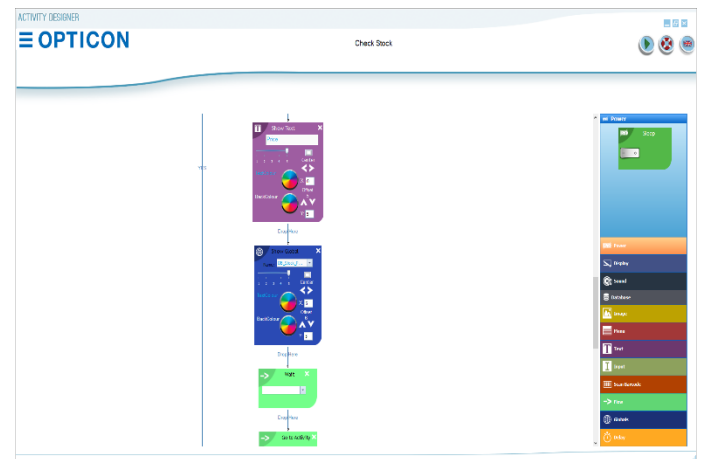
AUTHORISED OPTICON RESELLER





Overview Recap: Objectives Cont.

3. **Added Items to New Check Stock Activity** – This Activity introduced controls to scan a barcode, look up the barcode in a database and based on a condition, show the item's details or display a 'Not Found' message before navigating back to the original message. .



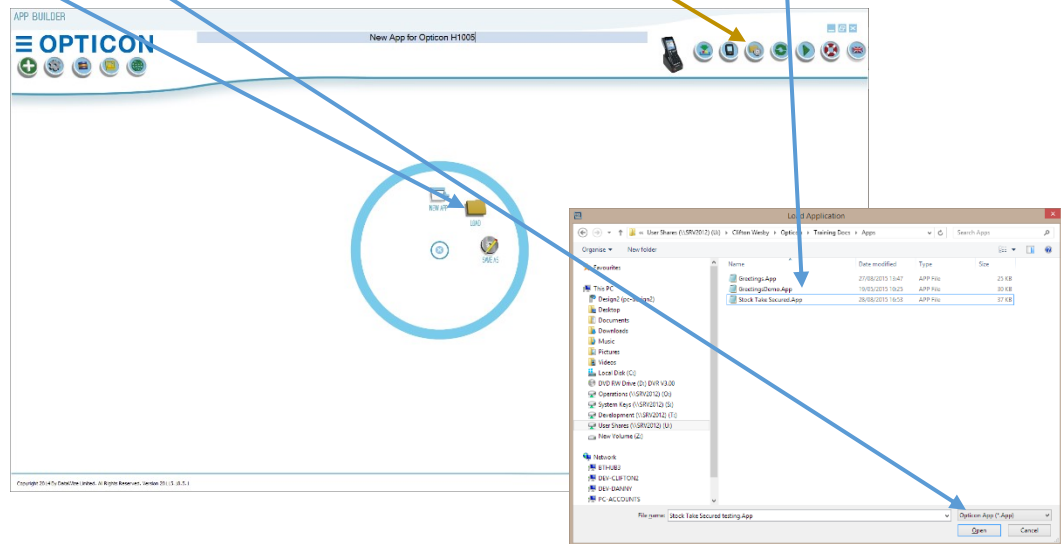
OPTICON

AUTHORISED OPTICON RESELLER

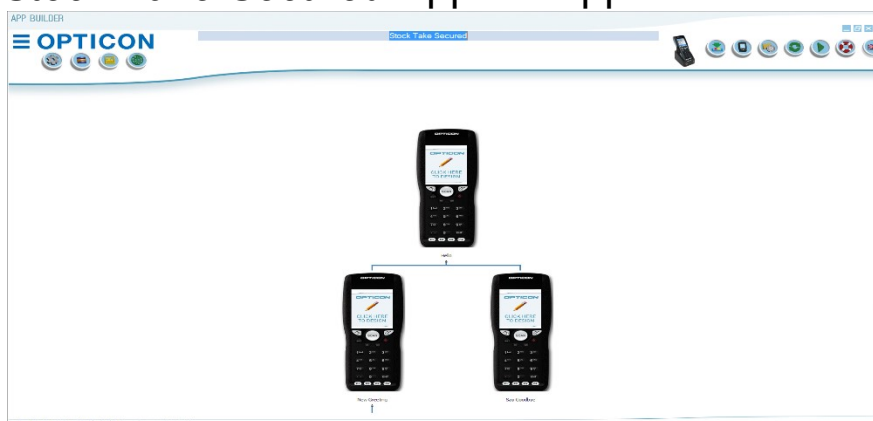


Load Stock Take Secured App

1. Open AppBuilder. Select the **File** Button. On the menu, select the **Load** Button. Navigate to the previously saved App, select and click the Open Button.



The *Stock Take Secured App* will appear with 4 Activities.



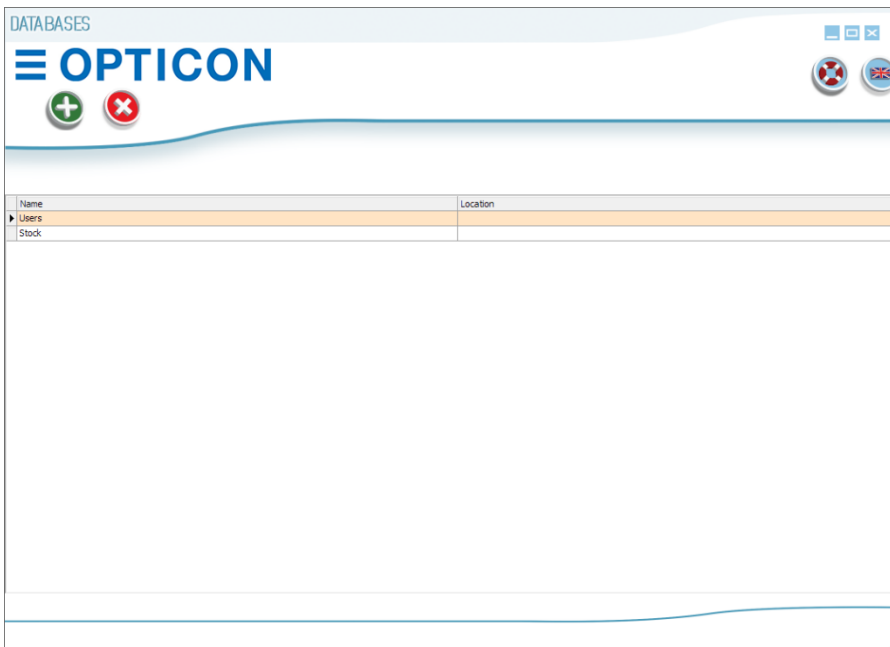


Exporting a Database to Excel

1. Select the **Database** Icon on the Top-Left of the App Builder Form.



The **Databases** form will open. This form displays the databases that have been created in the database. The **Users** and **Stock** databases were previously created.



2. Double-click the Stock Database. This will open the **Database Designer** Form.

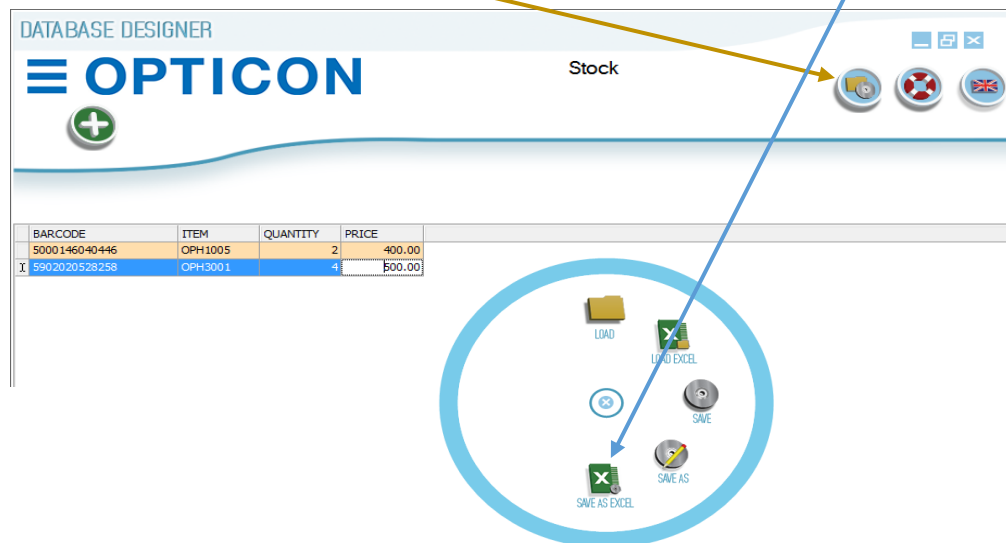
OPTICON

AUTHORISED OPTICON RESELLER



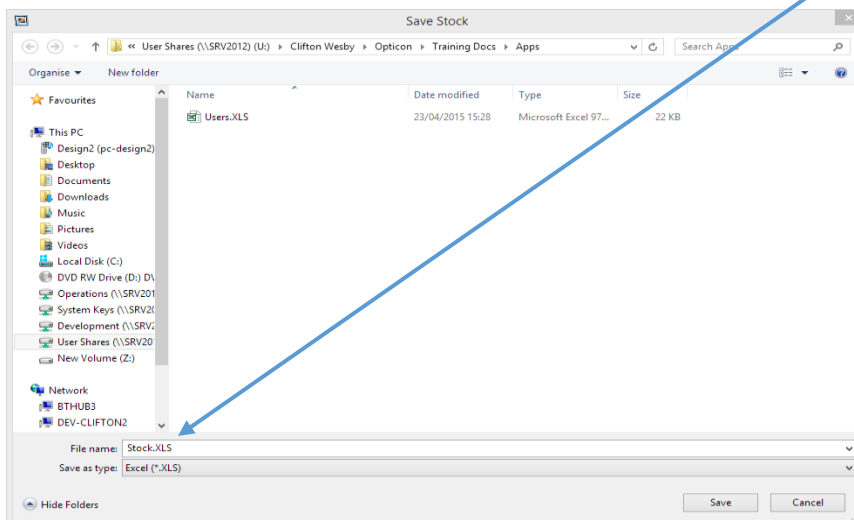
Exporting a Database to Excel Cont.

3. Select the **File** Button. On the menu, select the **Save As Excel** Button from the Radial Menu. This will open a file dialog.



The file dialog will have the Database name **Stock.XLS** ready to save the Database to an Excel sheet.

4. Click the Save Button on the dialog form, which will close the dialog.



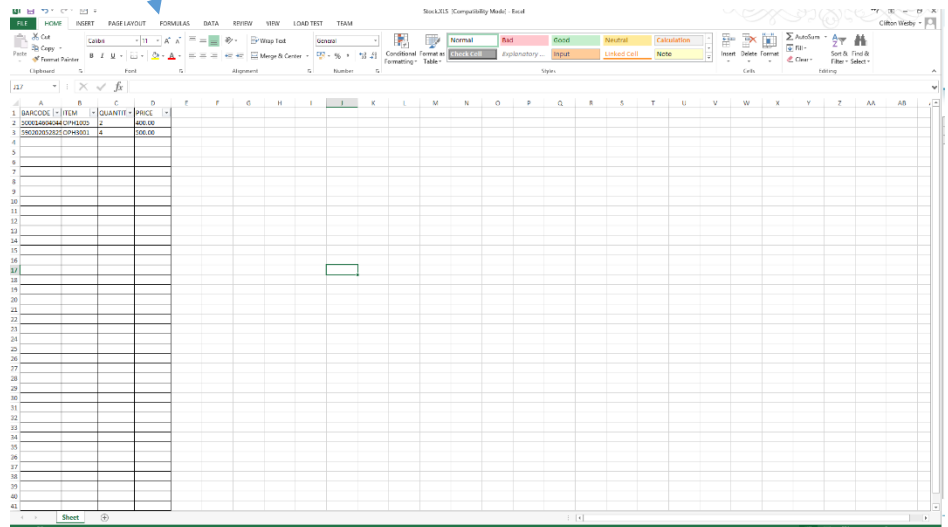
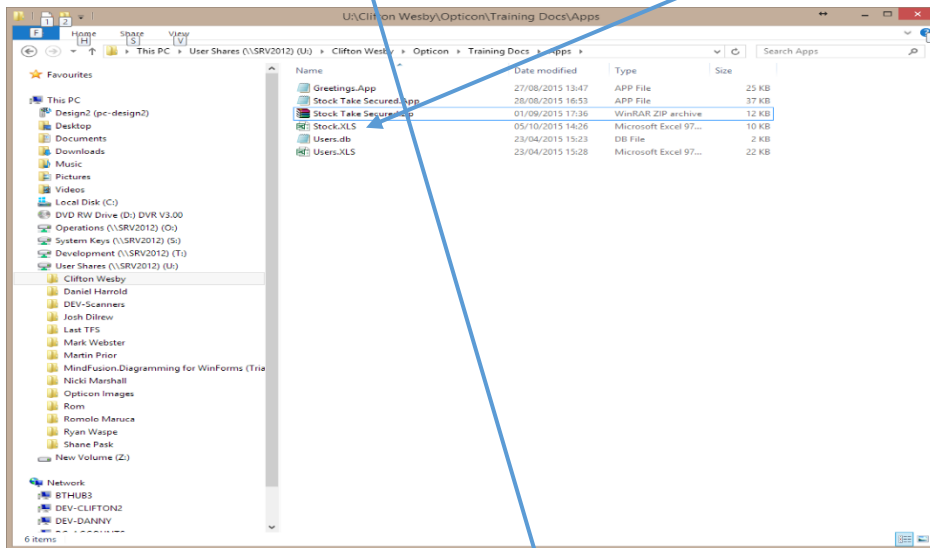
OPTICON

AUTHORISED OPTICON RESELLER



Exporting a Database to Excel Cont.

5. Navigate to the saved location of the **Stock.XLS** in your file explorer and open the file in Excel.





Exporting a Database to Excel Cont.

6. Modify the Excel Spreadsheet, adding in additional data. This would represent the stock in a stockroom, store floor, etc.

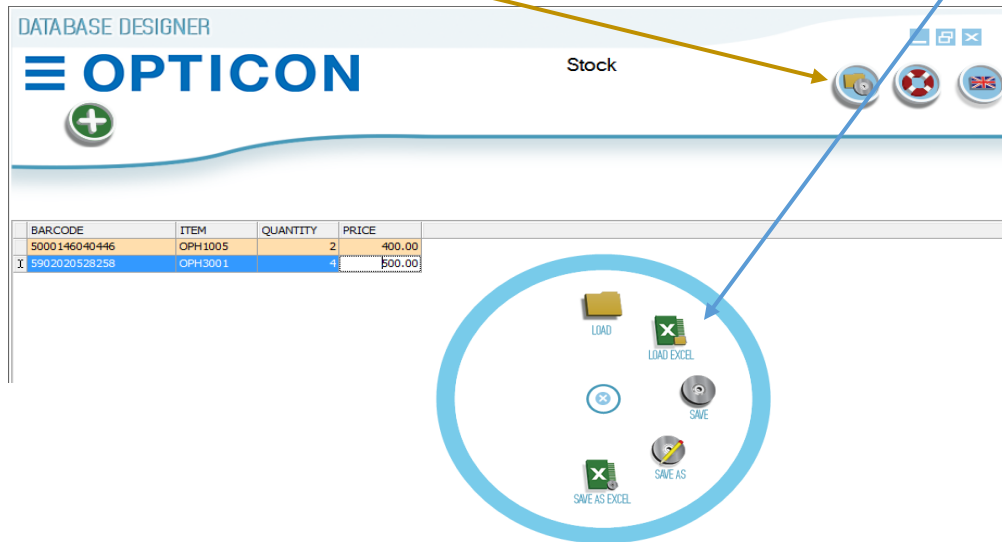
| BARCODE | ITEM | QUANTITY | PRICE |
|---------------|---------|----------|----------|
| 5000146040446 | H1005 | 2 | \$500.00 |
| 5000146040447 | OPH1005 | 2 | 400.00 |
| 5000146040448 | OPH1005 | 2 | 400.00 |
| 5000146040449 | OPH1005 | 4 | 400.00 |
| 5000146040450 | OPH1005 | 2 | 400.00 |
| 5000146040451 | OPH1005 | 4 | 400.00 |
| 5000146040452 | OPH1005 | 2 | 400.00 |
| 5000146040453 | OPH1005 | 4 | 400.00 |
| 5000146040454 | OPH1005 | 2 | 400.00 |
| 5000146040455 | OPH1005 | 4 | 400.00 |
| 5000146040456 | OPH1005 | 2 | 400.00 |
| 5000146040457 | OPH1005 | 4 | 400.00 |
| 5000146040458 | OPH1005 | 5 | 400.00 |
| 5000146040459 | OPH1005 | 6 | 400.00 |
| 5000146040460 | OPH1005 | 7 | 400.00 |
| 5000146040461 | OPH1005 | 8 | 400.00 |
| 5000146040462 | OPH1005 | 3 | 400.00 |
| 5000146040463 | OPH1005 | 1 | 400.00 |
| 5000146040464 | OPH1005 | 12 | 400.00 |
| 5000146040465 | OPH1005 | 23 | 400.00 |
| 5000146040466 | OPH1005 | 2 | 400.00 |
| 5000146040467 | OPH1005 | 4 | 400.00 |
| 5000146040468 | OPH1005 | 5 | 400.00 |
| 5000146040469 | OPH1005 | 7 | 400.00 |
| 5000146040470 | OPH1005 | 9 | 400.00 |
| 5902020528258 | OPH3001 | 4 | 500.00 |
| 5902020528258 | OPH3001 | 4 | 500.00 |
| 5902020528259 | OPH3001 | 2 | 500.00 |
| 5902020528260 | OPH3001 | 4 | 500.00 |
| 5902020528261 | OPH3001 | 5 | 500.00 |
| 5902020528262 | OPH3001 | 6 | 500.00 |
| 5902020528263 | OPH3001 | 7 | 500.00 |
| 5902020528264 | OPH3001 | 8 | 500.00 |
| 5902020528265 | OPH3001 | 3 | 500.00 |
| 5902020528266 | OPH3001 | 1 | 500.00 |
| 5902020528267 | OPH3001 | 12 | 500.00 |
| 5902020528268 | OPH3001 | 20 | 500.00 |
| 5902020528269 | OPH3001 | 16 | 500.00 |
| 5902020528270 | OPH3001 | 20 | 500.00 |
| 5902020528271 | OPH3001 | 13 | 500.00 |

This Spreadsheet has an error in the first Price field for the purpose of demonstrating the validation feature on the Import.

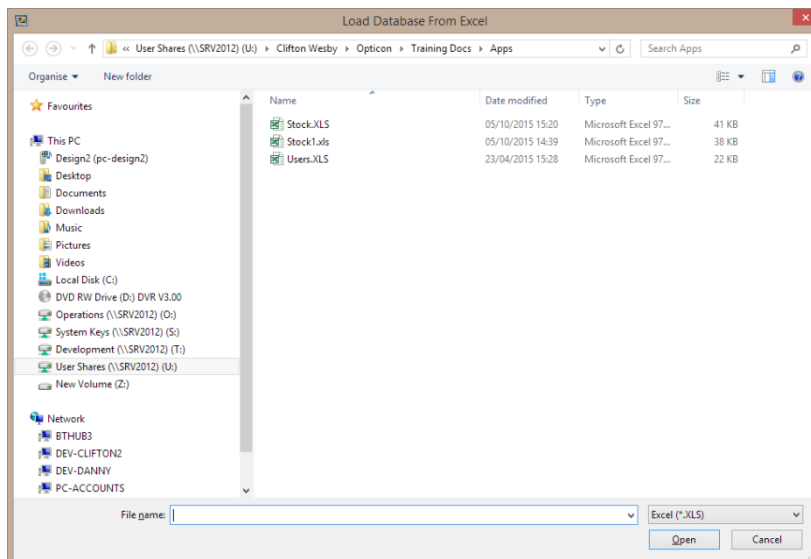


Importing a Spreadsheet from Excel

1. Select the **File** Button. On the menu, select the **Load Excel** Button from the Radial Menu. This will open a file dialog.



2. Select the newly updated **Stock.XLS** spreadsheet.



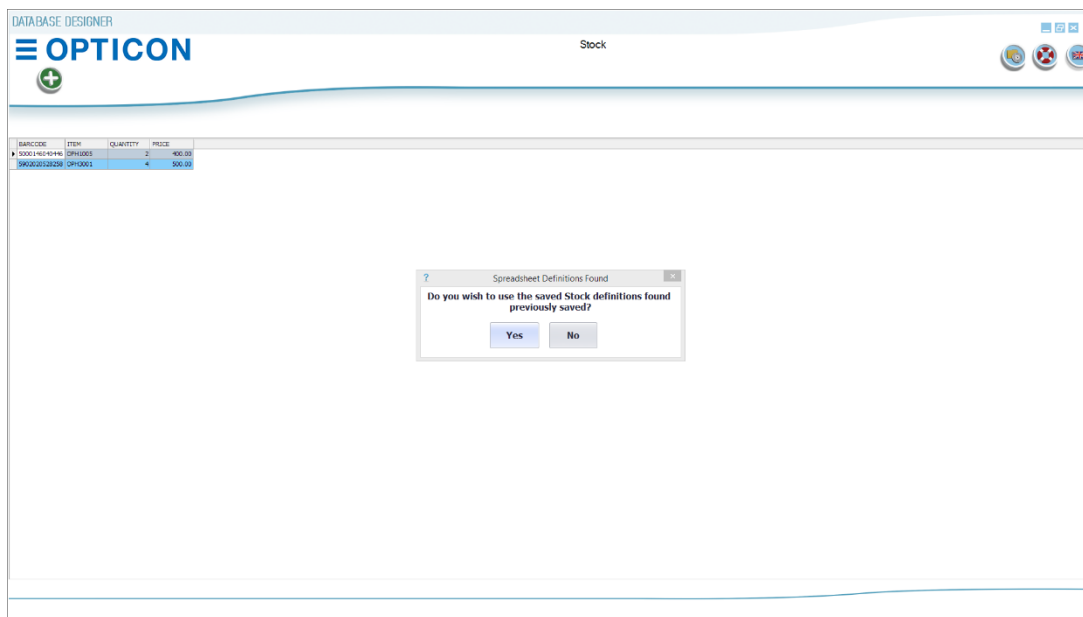
OPTICON

AUTHORISED OPTICON RESELLER



Importing a Spreadsheet from Excel cont.

3. A message will appear asking whether or not to use the definitions created from the original Stock Database. This will allow the App Builder to add the data from the spreadsheet into the current database.



Selecting no would prompt to define the columns of the spreadsheet being imported.



Importing a Spreadsheet from Excel cont.

4. As stated in the previous section, an error was created in the first field of the **Price** column. The **Spreadsheet Error** form displays:

- PRICE** - the column name from the import that contains the error
- Error** - the reason for the error
- Value** – what value is in the field
- Column Type** – the type of value that should be in the field
- Column Length** – the maximum length allowed for the value

The screenshot shows the OPTICON Database Designer interface. A 'SPREADSHEET ERROR' dialog box is open, displaying a table with error details. The background shows a table with columns: BARCODE, ITEM, QUANTITY, and PRICE. The PRICE column has two rows of data: 400.00 and 500.00.

| Row Error | Column Name | Error Message | Value | Column Type | Column Length |
|-----------|-------------|--|----------|-------------|---------------|
| 1 | PRICE | Line: 0 has a field that is not the proper type. | \$500.00 | CURRENCY | 8 |

OPTICON

AUTHORISED OPTICON RESELLER



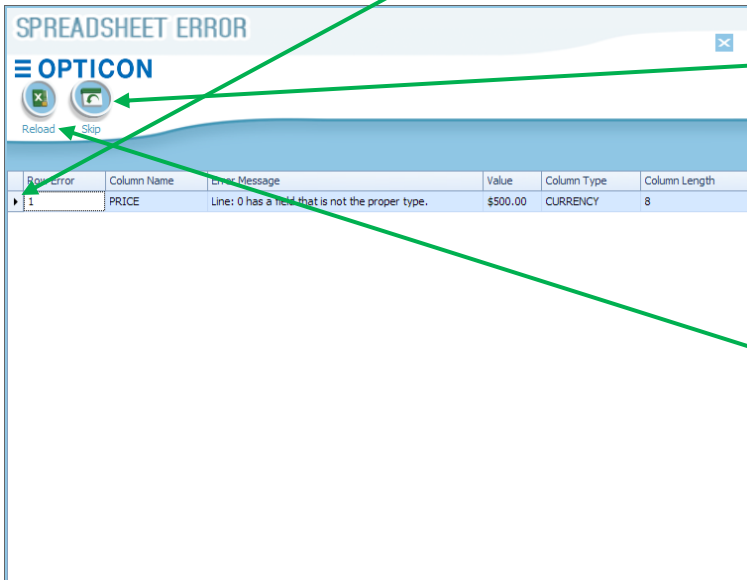
Importing a Spreadsheet from Excel cont.

5. Selecting the **Arrow** next to the column will highlight the column, which

enables the **Skip** button.

6. Select the **Skip** button and Row 1 will be excluded from the import. To include the row with error, correct the field(s) on the spreadsheet that contains errors,

Save it, and select the **Reload** button. The spreadsheet will be re-imported without the error.



| A | B | C | D |
|---------------|---------|---------|--------|
| BARCODE | ITEM | QUANTIT | PRICE |
| 5000146040446 | OPH1005 | 2 | 500.00 |

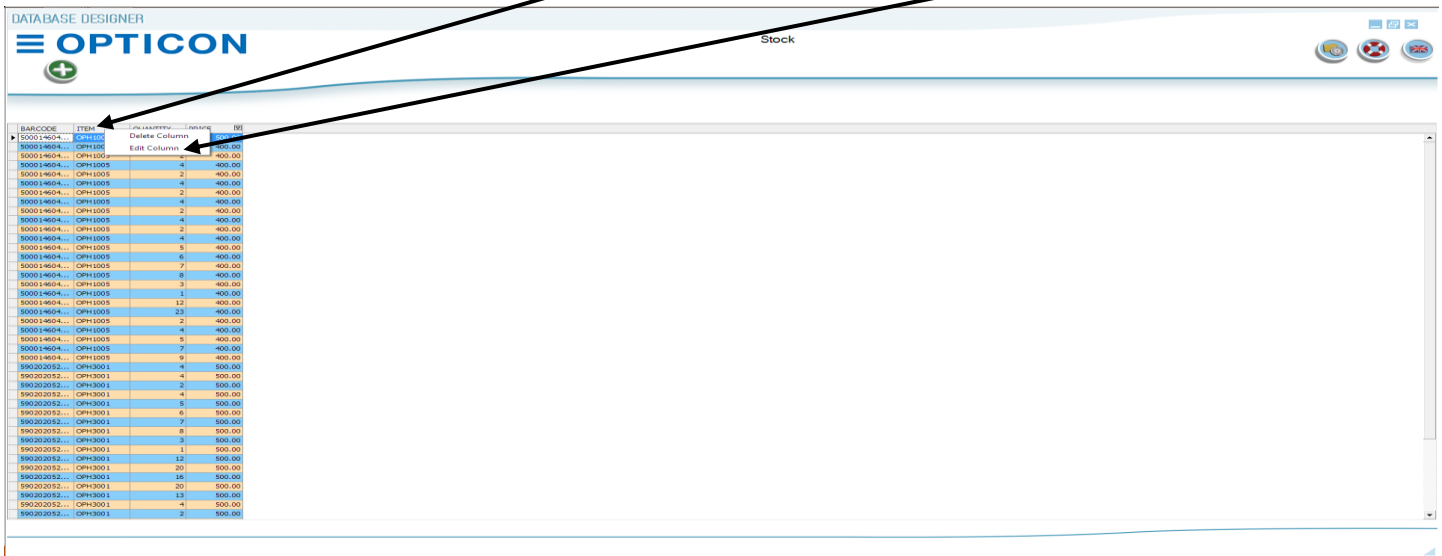


7. Select the **File** Button. On the menu, select the **Save** Button from the Radial Menu. This will save the spreadsheet into the **Stock** database.



Changing Database Column Names

1. To **Edit Columns**, Right-Click the column header and select **Edit Column** from the drop-down.



2. The **Column Designer** form will open. In the **Field Name**, change the text from **'ITEM'** to **'SCANNER MODEL'**. Make sure the **Field Type** is still set to **'TEXT'**.

3. Select the Add button to submit changes. Close the **Column Designer** form.



Changing Database Column Order

1. To change the order of columns, Left-Click the column to be changed (**SCANNERMODEL**) and drag it until the double arrows appear, showing the drop-point of the column, then release.

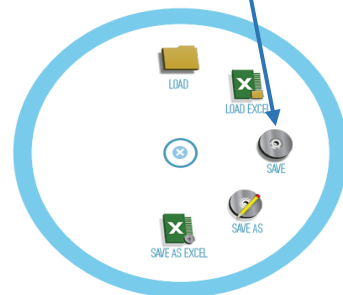
DATABASE DESIGNER

OPTICON

The screenshot shows the OPTICON Database Designer interface. A table with columns SCANNERMODEL, SCANNERMODEL, QUANTITY, and PRICE is displayed. The first row is selected, and the SCANNERMODEL column header is being dragged, as indicated by a blue arrow and a double-headed arrow on the column header.

| SCANNERMODEL | SCANNERMODEL | QUANTITY | PRICE |
|---------------|--------------|----------|--------|
| 5000146040446 | OPH1005 | 2 | 500.00 |
| 5000146040447 | OPH1005 | 2 | 400.00 |
| 5000146040448 | OPH1005 | 2 | 400.00 |
| 5000146040449 | OPH1005 | 4 | 400.00 |
| 5000146040450 | OPH1005 | 2 | 400.00 |
| 5000146040451 | OPH1005 | 4 | 400.00 |
| 5000146040452 | OPH1005 | 2 | 400.00 |
| 5000146040453 | OPH1005 | 4 | 400.00 |
| 5000146040454 | OPH1005 | 2 | 400.00 |
| 5000146040455 | OPH1005 | 4 | 400.00 |

2. Select the **File** Button. On the menu, select the **Save** Button from the Radial Menu. This will save the changes to the **Stock** database.



DATABASE DESIGNER

OPTICON

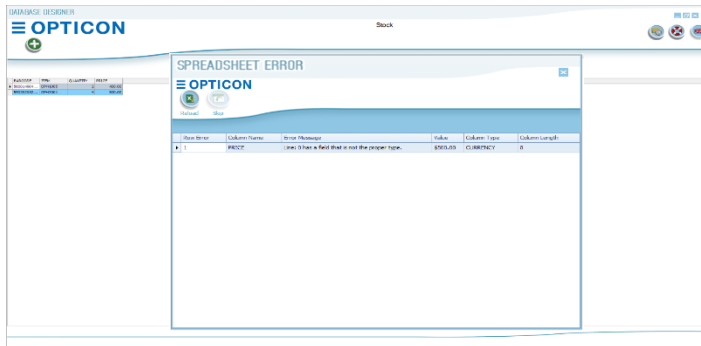
The screenshot shows the OPTICON Database Designer interface after the column order has been changed. The table now has columns SCANNERMODEL, BARCODE, QUANTITY, and PRICE. The first row is selected, and the SCANNERMODEL column header is being dragged, as indicated by a blue arrow and a double-headed arrow on the column header.

| SCANNERMODEL | BARCODE | QUANTITY | PRICE |
|--------------|---------------|----------|--------|
| OPH1005 | 5000146040446 | 2 | 500.00 |
| OPH1005 | 5000146040447 | 2 | 400.00 |
| OPH1005 | 5000146040448 | 2 | 400.00 |
| OPH1005 | 5000146040449 | 4 | 400.00 |
| OPH1005 | 5000146040450 | 2 | 400.00 |
| OPH1005 | 5000146040451 | 4 | 400.00 |
| OPH1005 | 5000146040452 | 2 | 400.00 |
| OPH1005 | 5000146040453 | 4 | 400.00 |
| OPH1005 | 5000146040454 | 2 | 400.00 |
| OPH1005 | 5000146040455 | 4 | 400.00 |



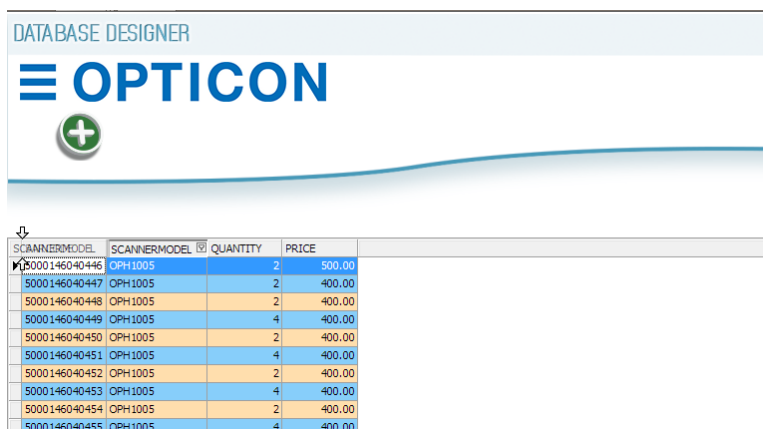
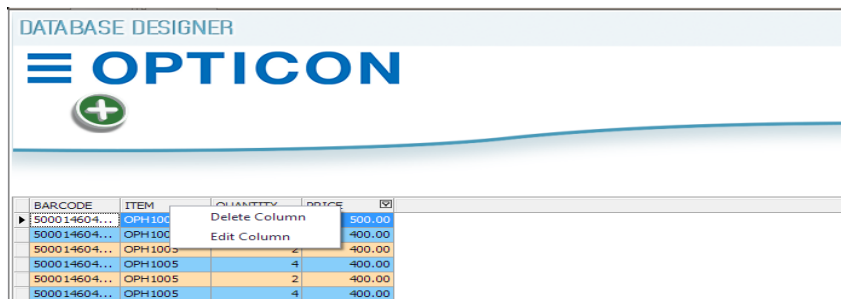
Database Training Summary

The Purpose of the Database training was to introduce some of the Database processes offered by the App Builder that are not as easily seen.



The Spreadsheet Error Form was introduced to show how the App Builder handles improper data imported from a spreadsheet.

The ability to edit columns can also be very relevant when designing a Database for an App. The Edit Column feature is easy to use and helps facilitate that need.



Adjusting Column order is just as easy, as shown in the training.

These are just some of the features that are capable with the Opticon App Builder.

