Building a VBA Application in Excel

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Building a VBA Application in Excel

Creating a User Interface

Database Lookups

Database Connections

Creating a Search Macro

Option Explicit

Back to Work, Back to Reality

Excel

How's it Going?

Excel to-do List

Build user interface

Connect and display lookup data

Create search macro

Validate user input

Add styling

```
EXEC dbo.SelectPublishers;
EXEC dbo.SelectFormats;
EXEC dbo.SelectMediaTypes;
```

Lookup Stored Procedures

Each procedure returns a set of lookup data

Colleague Discussion

Bertie is Quick!

Search Macro to-do List

Reference user input cells

Execute the search

Refresh the screen with new results

Inform user when search is being performed

```
Option Explicit

Dim sqlQuery As String
```

Option Explicit

Ensures all variables must be explicitly declared

Overview/ Summary

Building a basic user interface

Named ranges

Data validation

Creating a search macro

User-supplied search filters

Using Option Explicit