

# ToolBuddy 0.5.0 (alpha)

May 4, 2022

## Features:

- Add an item to the database connected to the application
- Navigate between multiple pages (Main Menu, Search Results, Add Item, Data Dictionary)

## Incomplete Features:

- Dynamic search results
  - With the complication of using a UI generating API's modules to communicate with databases, the SQL statements were not as straightforward as they are when using vanilla C++. This caused unforeseen complications resulting in an unfinished keyword search since using the Qt class QSqlQuery you cannot pass a variable into the SQL statement.
  - You can, however, plug in the name of an item directly into the query in the code itself (in search\_results.cpp, inside function displayResults(), marked by comment for easy visibility) and see that the query does in fact connect to the database and retrieve results.
- QR search
  - The QR search page remains in the app, but is merely a skeleton for future implementations of a QR search class at this time. The ui of this class contains a camera viewfinder, all that needs to be done is to connect a camera and iterate ZXing with the application to generate and search by QR codes.
- Edit database from GUI
  - At this time the table which would allow the user to edit items in the database is not yet set up. This would use the class QAbstractTableModel to display the database and allow the user to dynamically change the data inside.