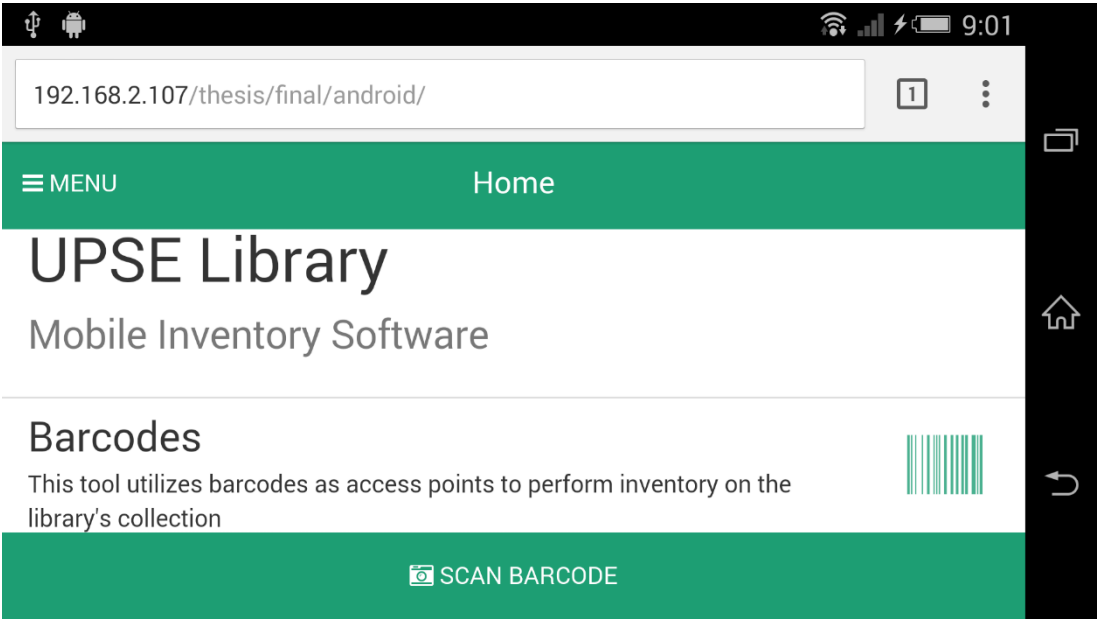


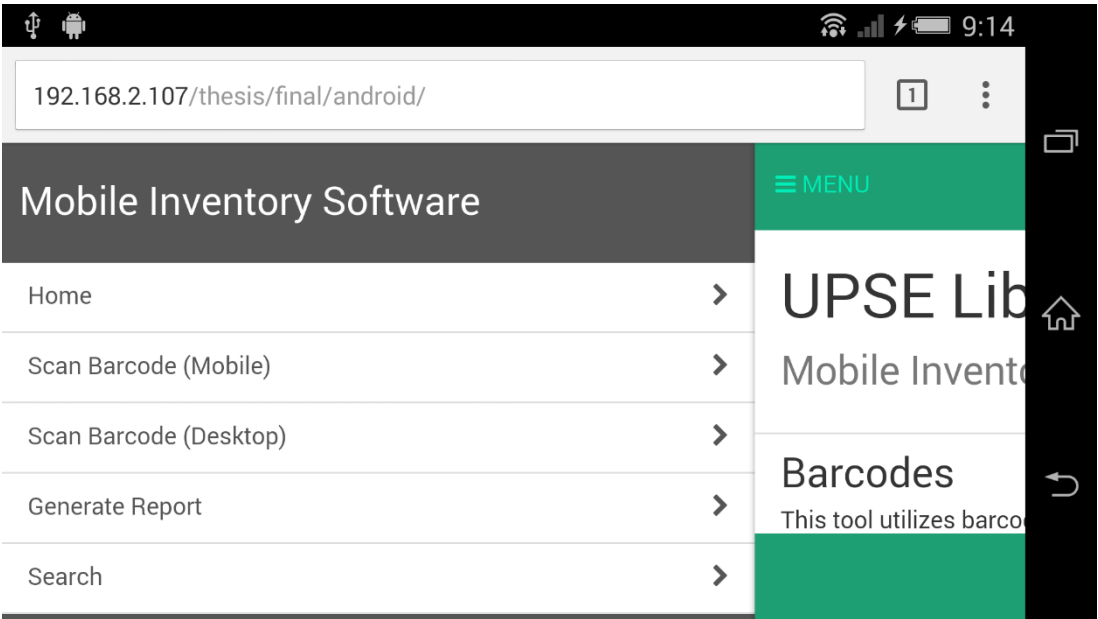
ANDROID MOBILE INVENTORY SOFTWARE MANUAL

Introduction to the User Interface

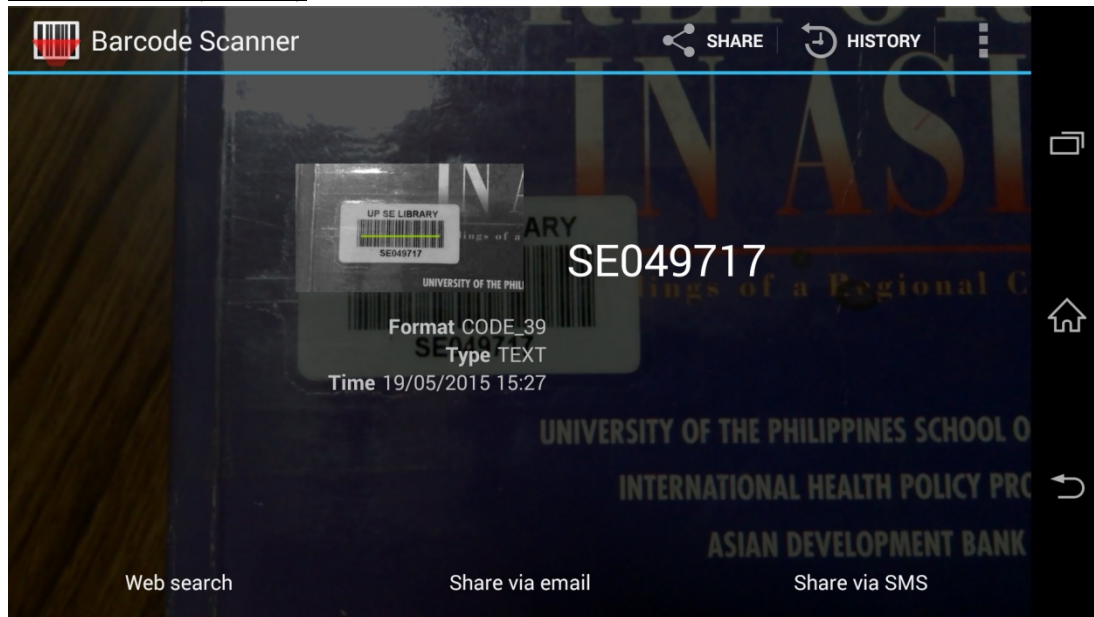
Home



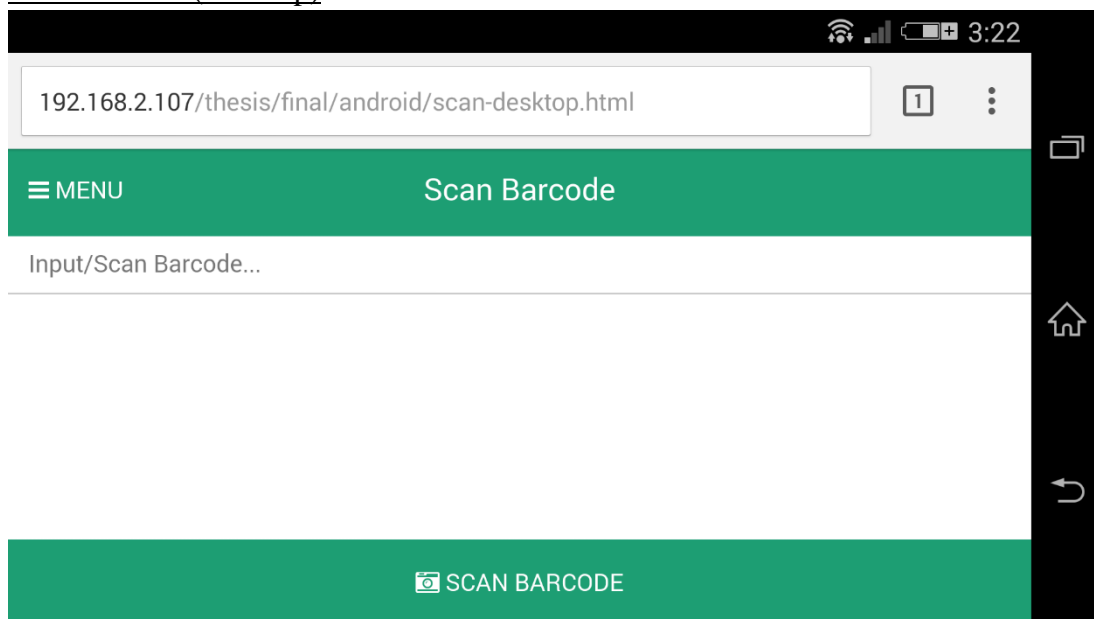
Sidebar



Scan Barcode (Mobile)



Scan Barcode (Desktop)



Generate Report

The screenshot shows the 'Generate Report' screen of a mobile application. At the top, a status bar displays signal strength, Wi-Fi, battery, and the time 3:22. Below this is a white address bar containing the URL '192.168.2.107/thesis/final/android/report.html'. A green header bar features a 'MENU' icon on the left and the title 'Generate Report' in the center. Below the header is a table with four columns: 'Type', 'Field', 'Order', and 'Output', each with a downward arrow. A green 'GO' button is positioned to the right of the table. The main content area is currently empty. At the bottom, a green bar contains a camera icon and the text 'SCAN BARCODE'. A vertical black sidebar on the right side of the screen contains icons for a document, a home button, and a back button.

Search

The screenshot shows the 'Search' screen of the same mobile application. The status bar at the top shows the time 3:23. The address bar contains the URL '192.168.2.107/thesis/final/android/search.html'. The green header bar has the 'MENU' icon and the title 'Search'. Below the header is a table with three columns: 'Input Keyword...', 'Field', and 'Order', each with a downward arrow. The main content area is empty. A green bar at the bottom features a camera icon and the text 'SCAN BARCODE'. The same vertical black sidebar with document, home, and back icons is present on the right.

General Operations

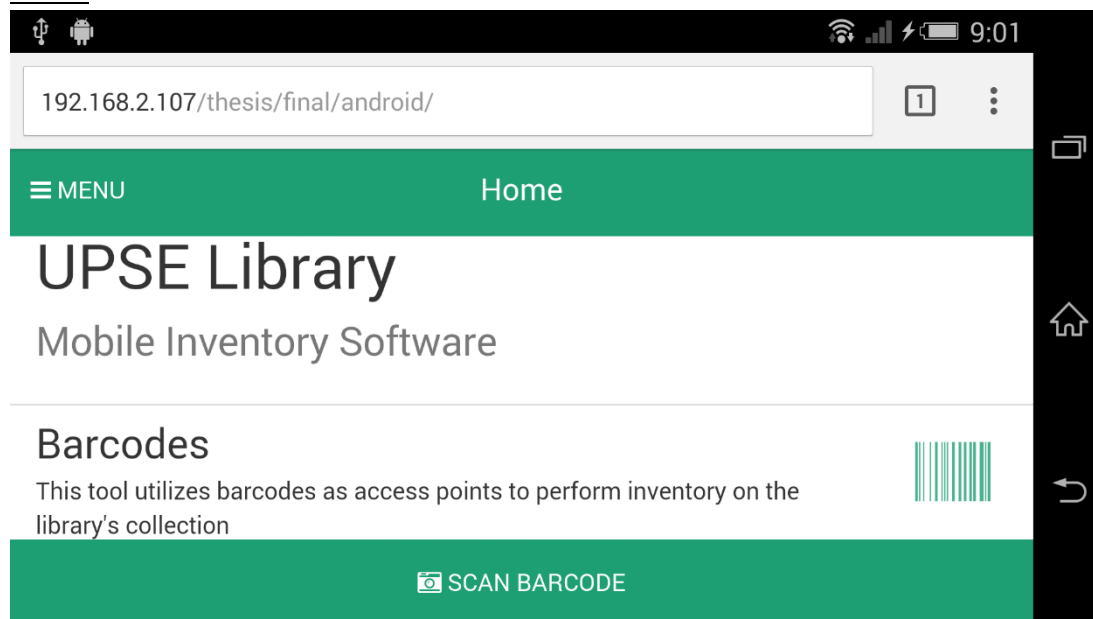
Launching the Android mobile barcode inventory software

- Launch your browser (Internet, Chrome, Firefox, Opera, Dolphin, etc.)
- Go to the URL: **http://[SERVER IP ADDRESS]/inventory/release/android**

Scanning a material - Mobile

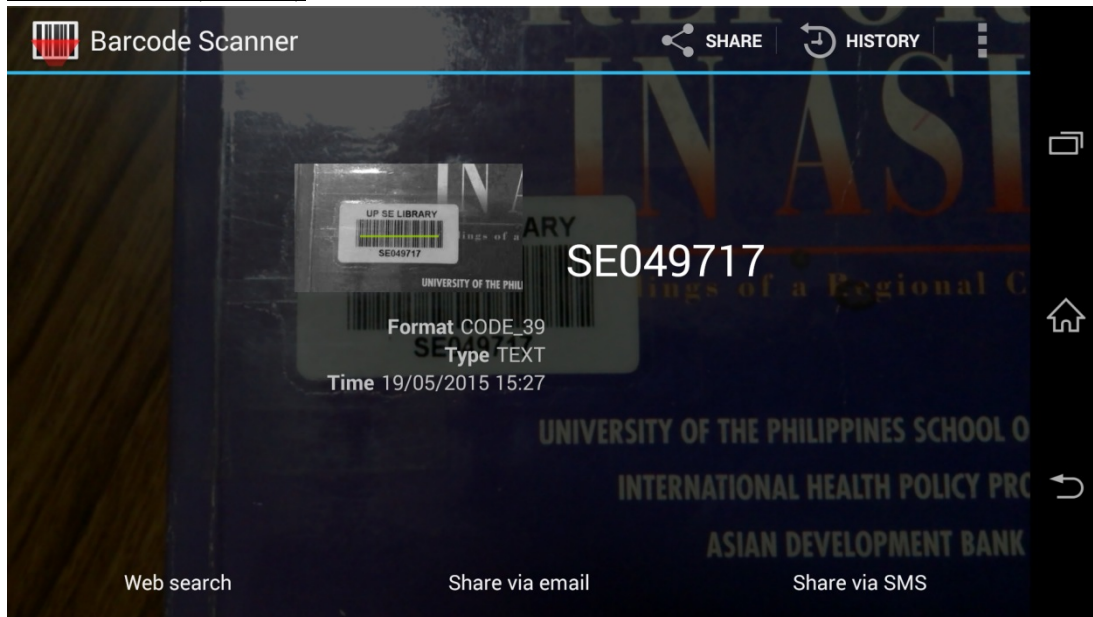
- Tap the **Scan Barcode** button at the **bottom** of the display

Home



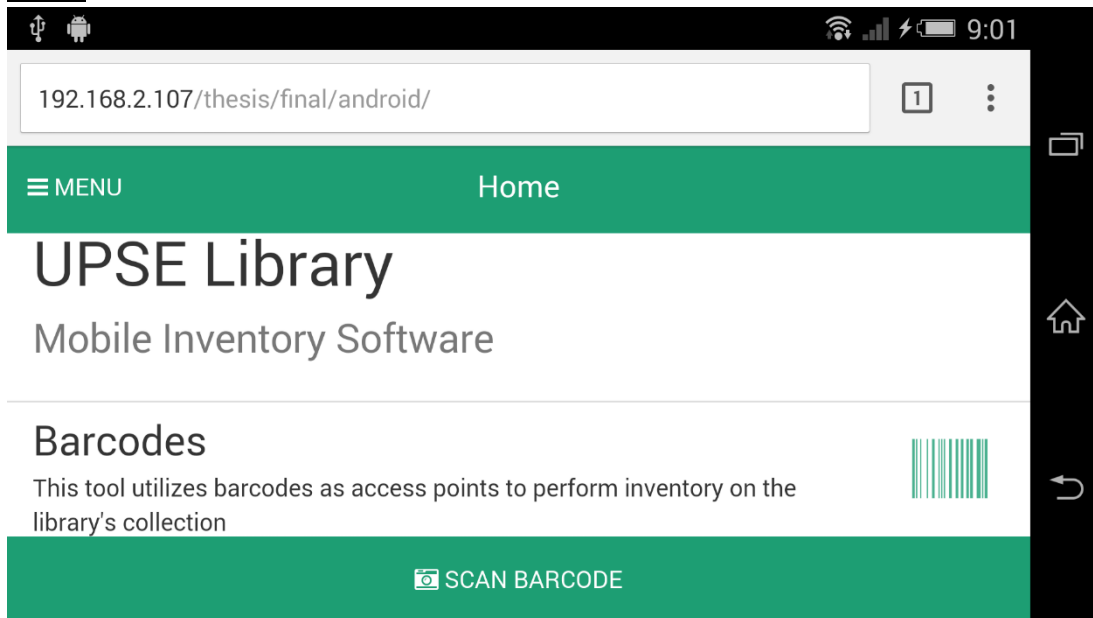
- **Align and position** the barcode with respect to your phone's camera sensor

Scan Barcode (Mobile)



- To scan another material, tap **Scan Barcode** again

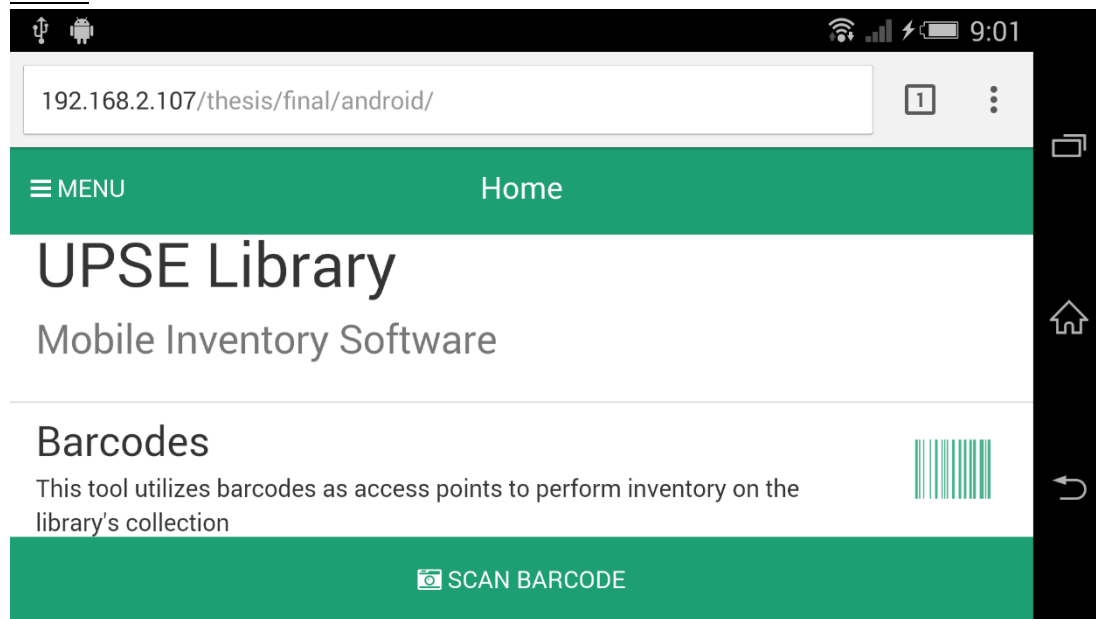
Home



Scanning a material – Desktop

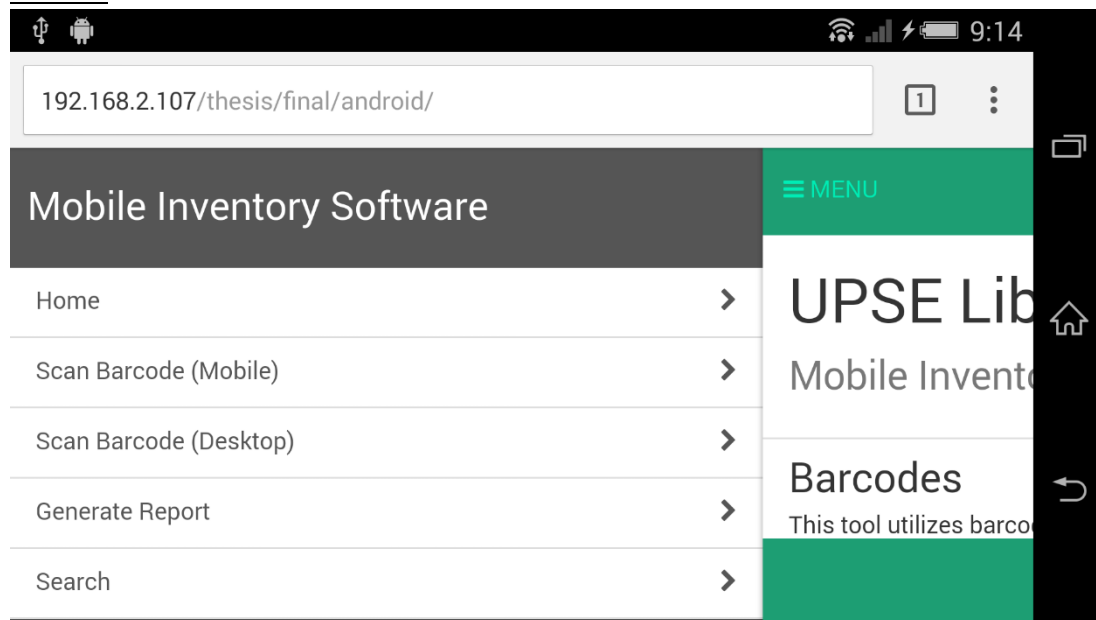
- Tap on the **Menu** button at the **top-left portion** of the display in order to reveal the **sidebar**

Home



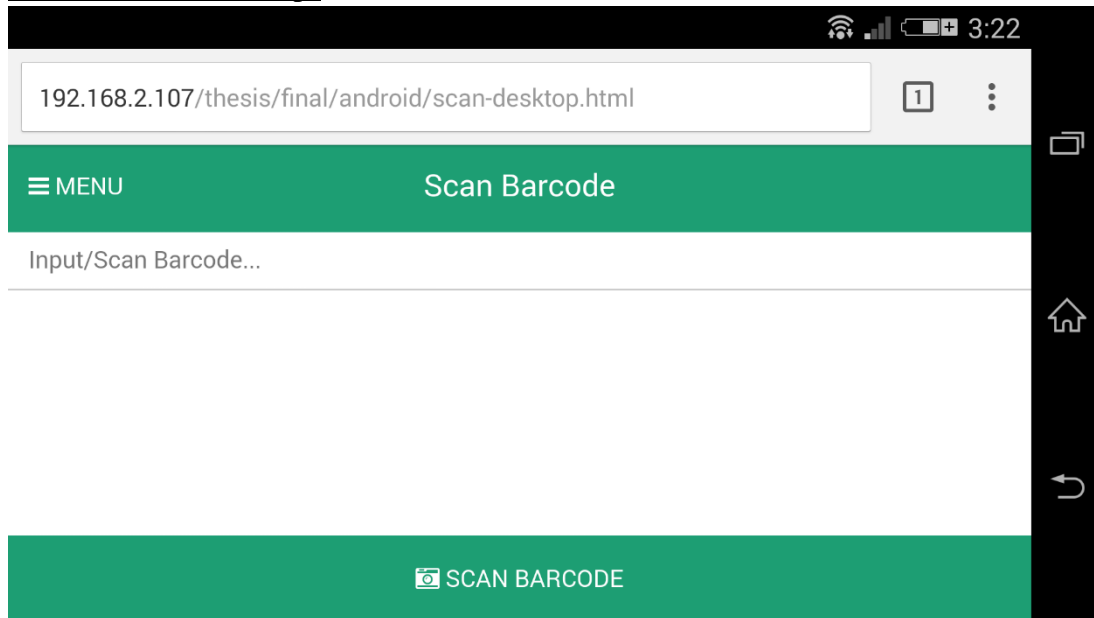
- Tap on **Scan Barcode (Desktop)**

Sidebar



- Tap on the field **Input Barcode** and **input the code** manually into the text filled or **scan the barcode** using an **external barcode scanner**.

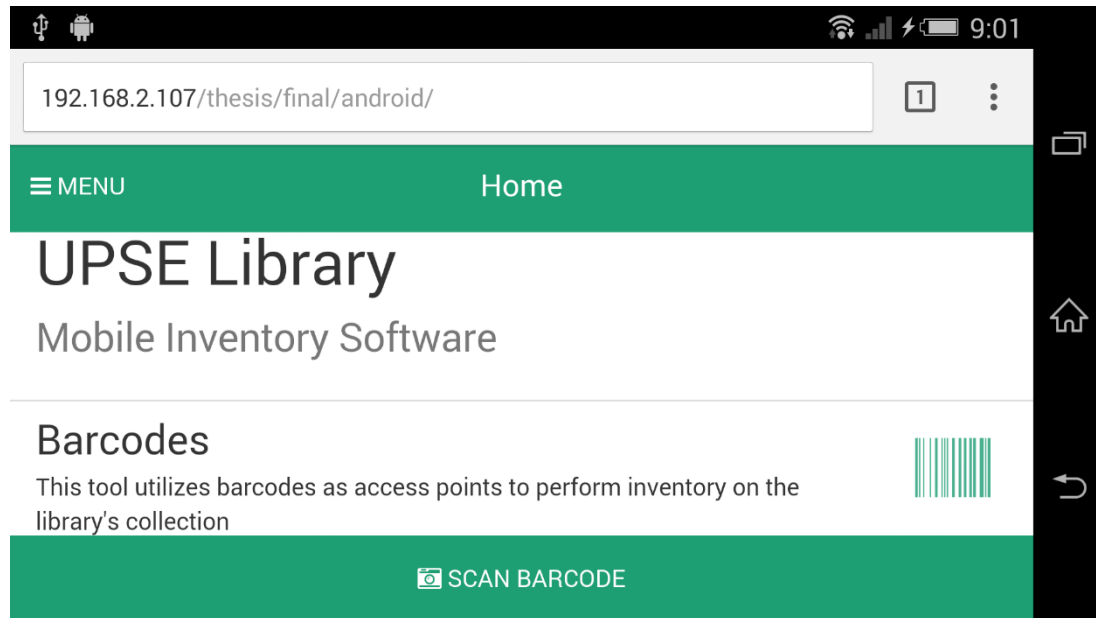
Scan Barcode (Desktop)



Generating a report

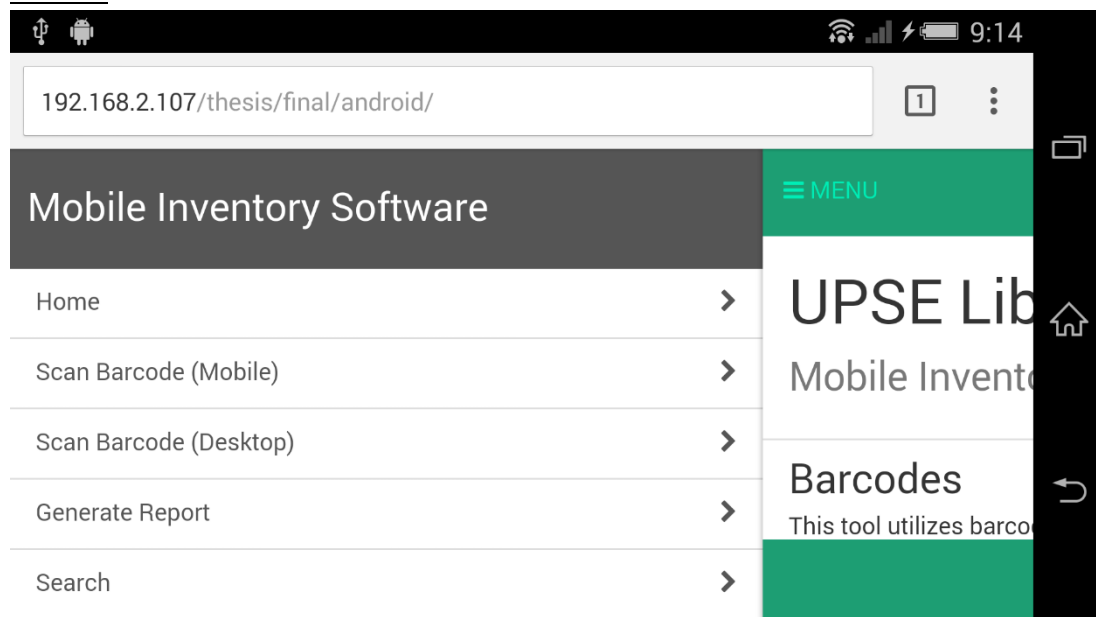
- Tap on the **Menu** button at the **top-left portion** of the display in order to reveal the **sidebar**

Home



- Tap on **Generate Report** on the sidebar

Sidebar



- Select the desired report output **parameters**

Generate Report

The screenshot shows a mobile web application interface. At the top, a status bar displays signal strength, battery level, and the time 3:22. Below this is a browser address bar showing the URL '192.168.2.107/thesis/final/android/report.html'. The main header is a green bar with a 'MENU' icon on the left and the title 'Generate Report' in the center. Below the header is a form with four dropdown menus labeled 'Type', 'Field', 'Order', and 'Output', followed by a green 'GO' button. At the bottom of the screen is a large green button with a camera icon and the text 'SCAN BARCODE'. A vertical sidebar on the right contains icons for a document, a home screen, and a back arrow.

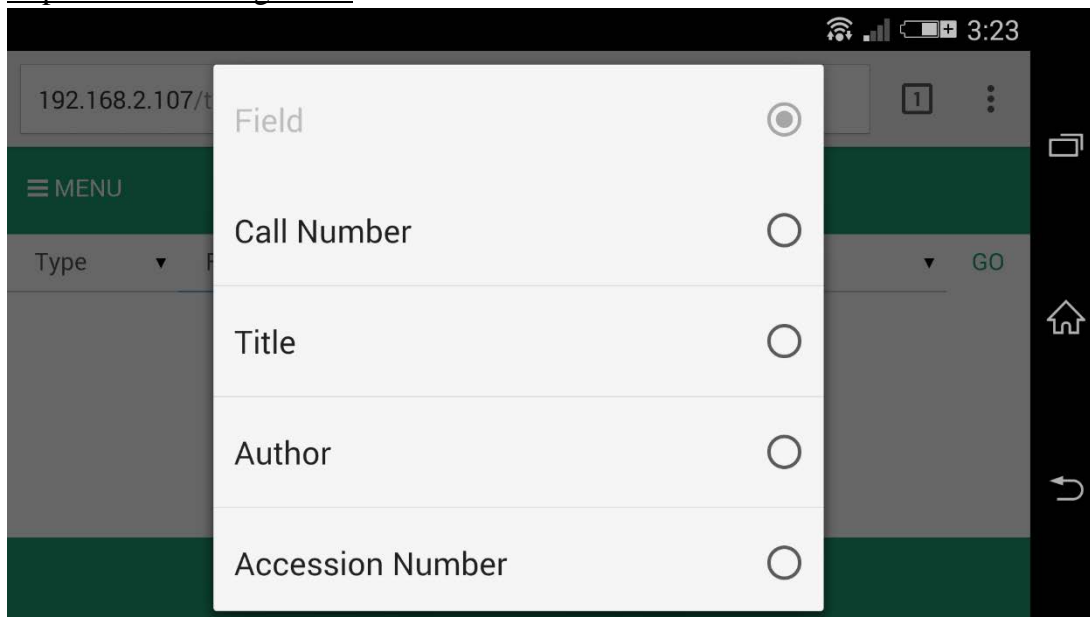
- Select the desired **report type**

Report Type Menu

This screenshot shows the same web application interface as the previous one, but with a modal menu open over the 'Type' dropdown. The modal menu is a white box with a dark green header containing the word 'Type'. It lists three options: 'Type' (which is selected, indicated by a filled radio button), 'Found' (with an empty radio button), and 'Missing' (with an empty radio button). The background interface is dimmed, showing the same header, address bar, and 'SCAN BARCODE' button as before.

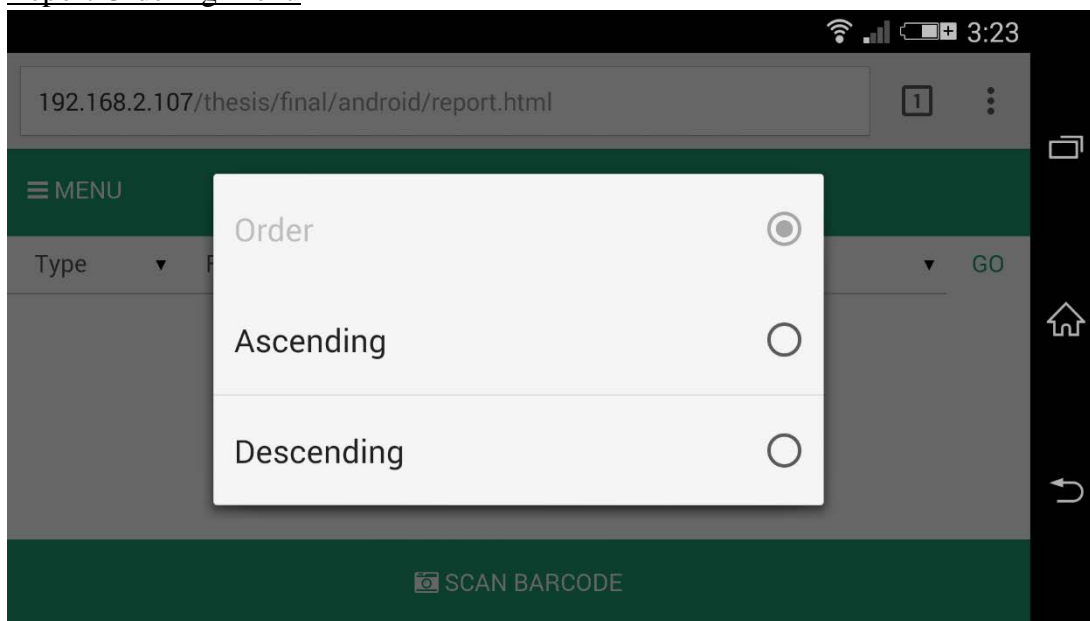
- Select the desired **field** for sorting

Report Field Sorting Menu



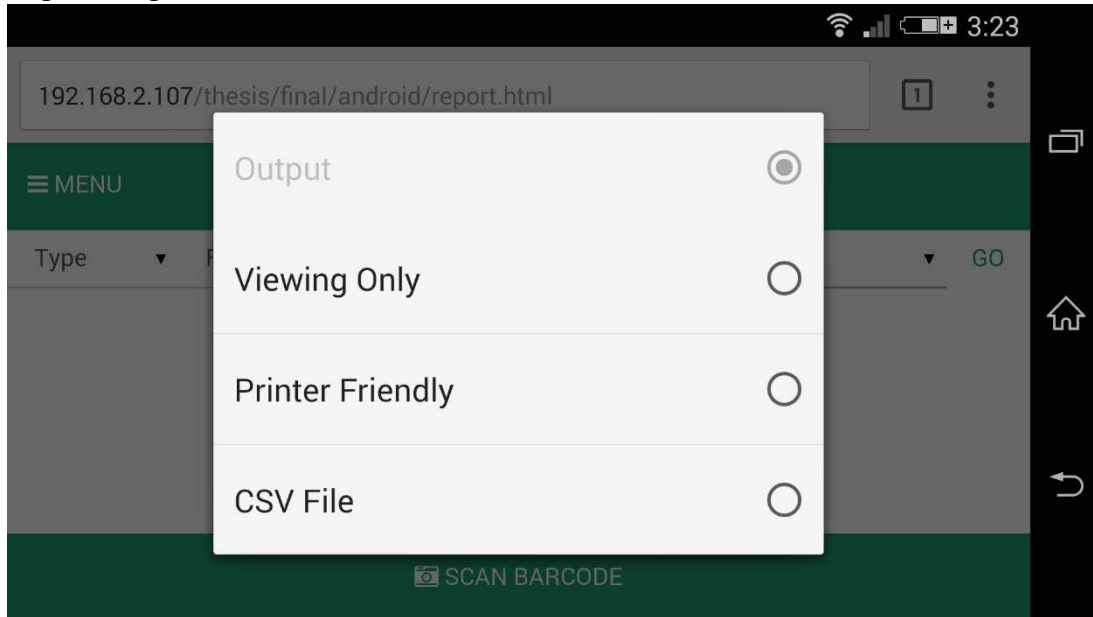
- Select the desired **order**

Report Ordering Menu



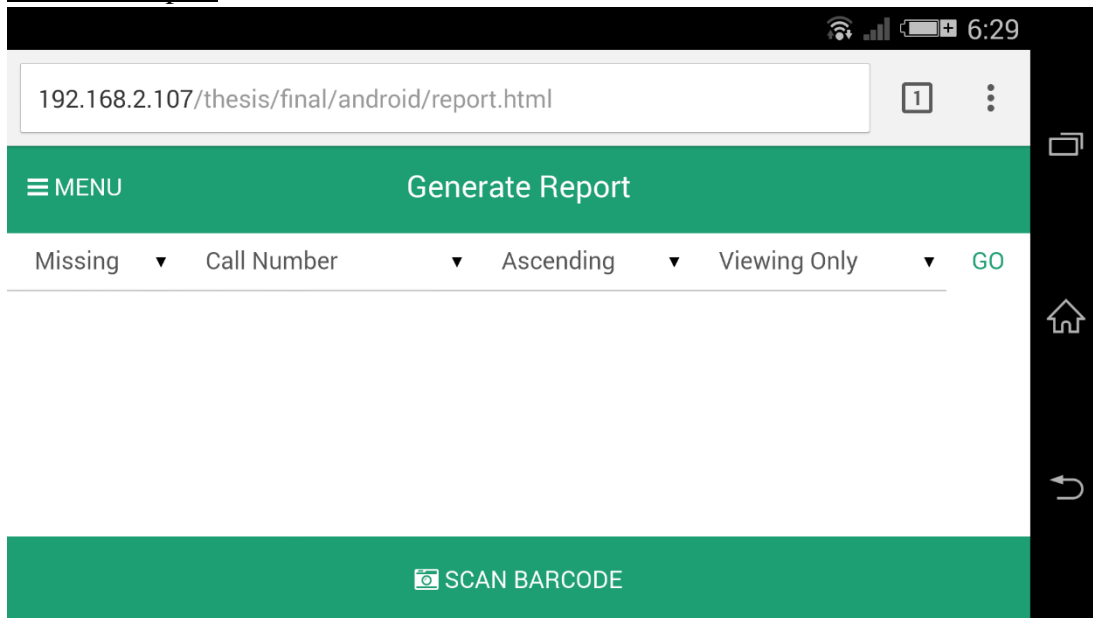
- Select the desired **output**

Report Output Menu



- Click on **GO** to generate the desired report

Generate Report



Sample report outputs

- Viewing Only

Viewing Only – Part 1

The screenshot shows a mobile application interface. At the top, there is a status bar with signal, battery, and time (6:30) indicators. Below it is a browser address bar showing the URL: 192.168.2.107/thesis/final/android/report-output.php?type=NULL&field=c& . A green header bar contains a 'MENU' icon and the word 'Report'. The main content area is titled 'Report Statistics' and contains a table with the following data:

	Number	Percentage
Items Found:	152	98.06%
Items Missing:	3	1.94%
Total:	155	100.00%

Below the table is a green bar with a camera icon and the text 'SCAN BARCODE'. On the right side, there is a vertical navigation bar with icons for home, back, and other functions.

Viewing Only – Part 2

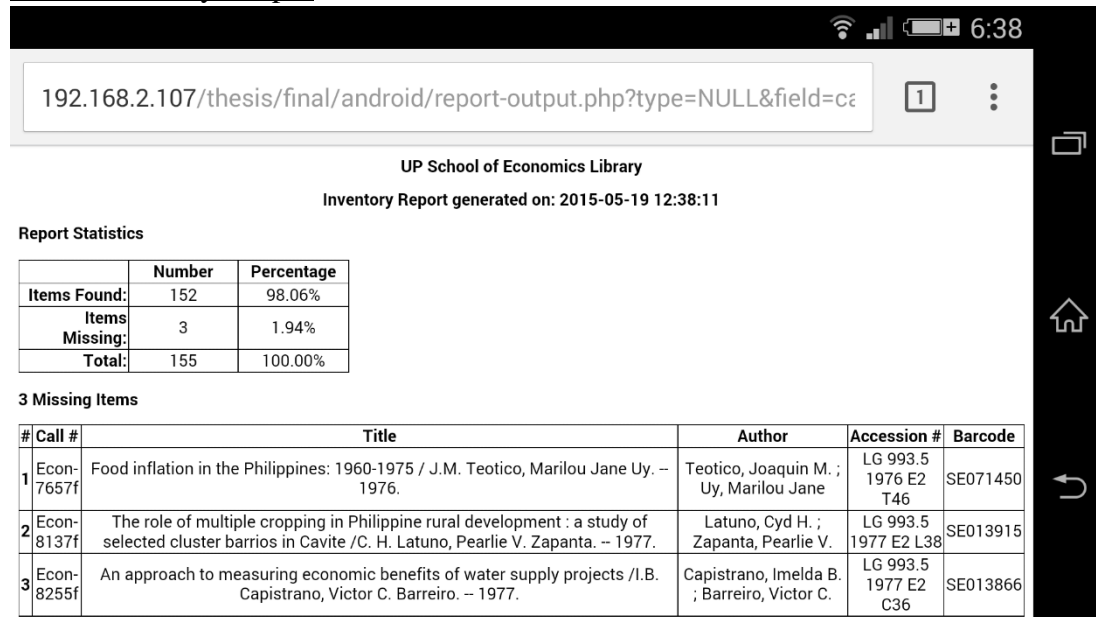
The screenshot shows the same mobile application interface as Part 1, but the main content area is titled '3 Missing Items' and displays a table with the following data:

#	Call #	Title	Author	Accession #	Barcode
1	Econ-7657f	Food inflation in the Philippines: 1960-1975 / J.M. Teotico, Marilou Jane Uy. -- 1976.	Teotico, Joaquin M. ; Uy, Marilou Jane	LG 993.5 1976 E2 T46	SE071450

Below the table is a green bar with a camera icon and the text 'SCAN BARCODE'. The interface elements (status bar, header, navigation bar) are consistent with the previous screenshot.

- Printer-Friendly Output

Printer-Friendly Output



192.168.2.107/thesis/final/android/report-output.php?type=NULL&field=c&

UP School of Economics Library
Inventory Report generated on: 2015-05-19 12:38:11

Report Statistics

	Number	Percentage
Items Found:	152	98.06%
Items Missing:	3	1.94%
Total:	155	100.00%

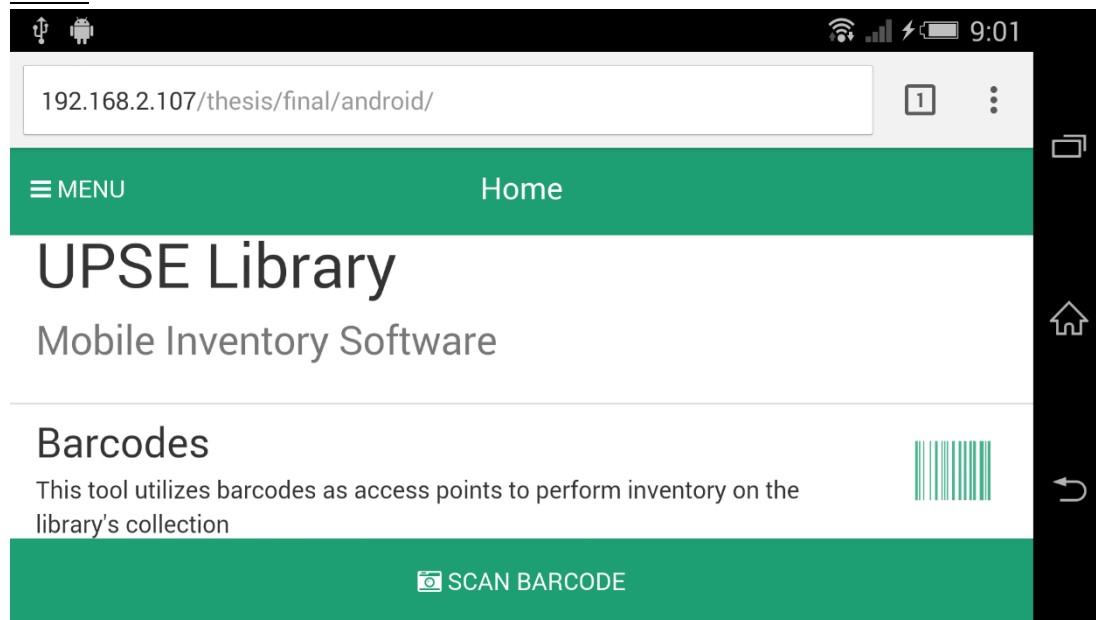
3 Missing Items

#	Call #	Title	Author	Accession #	Barcode
1	Econ-7657f	Food inflation in the Philippines: 1960-1975 / J.M. Teotico, Marilou Jane Uy. -- 1976.	Teotico, Joaquin M. ; Uy, Marilou Jane	LG 993.5 1976 E2 T46	SE071450
2	Econ-8137f	The role of multiple cropping in Philippine rural development : a study of selected cluster barrios in Cavite / C. H. Latuno, Pearlie V. Zapanta. -- 1977.	Latuno, Cyd H. ; Zapanta, Pearlie V.	LG 993.5 1977 E2 L38	SE013915
3	Econ-8255f	An approach to measuring economic benefits of water supply projects / I.B. Capistrano, Victor C. Barreiro. -- 1977.	Capistrano, Imelda B. ; Barreiro, Victor C.	LG 993.5 1977 E2 C36	SE013866

Searching for a material

- Tap on the **Menu** button at the **top-left portion** of the display in order to reveal the **sidebar**

Home



192.168.2.107/thesis/final/android/

MENU Home

UPSE Library

Mobile Inventory Software

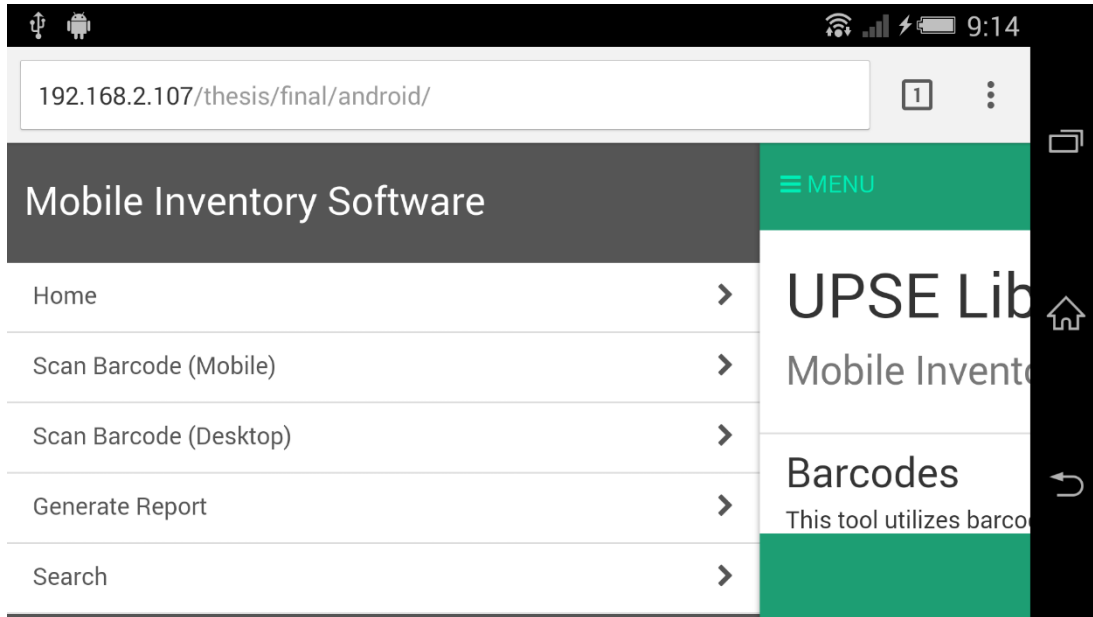
Barcodes

This tool utilizes barcodes as access points to perform inventory on the library's collection

SCAN BARCODE

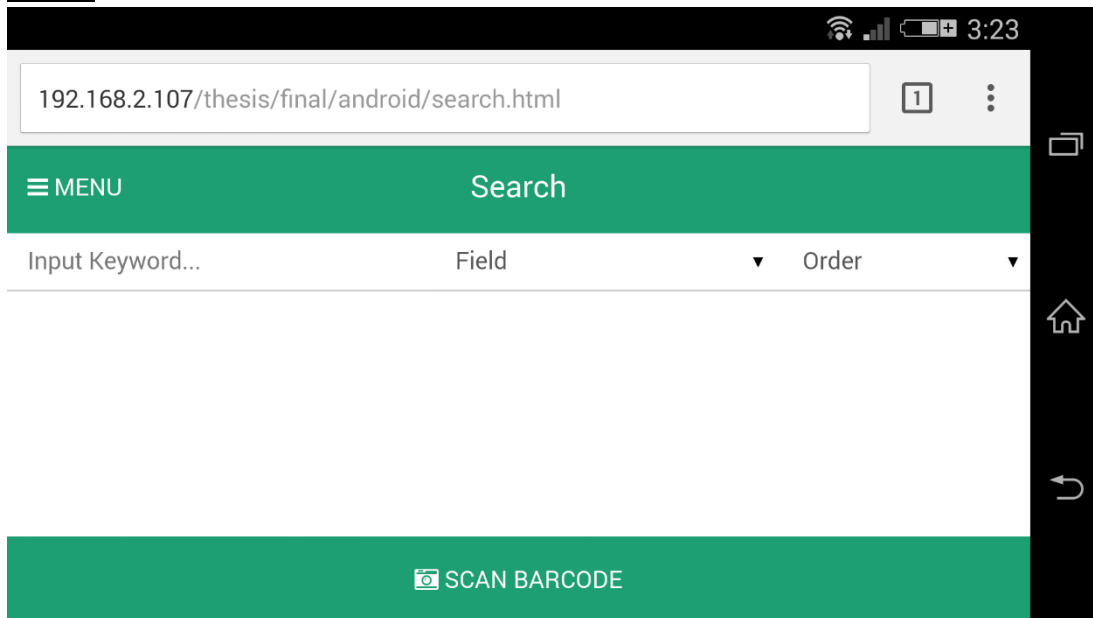
- Tap on **Search**

Sidebar



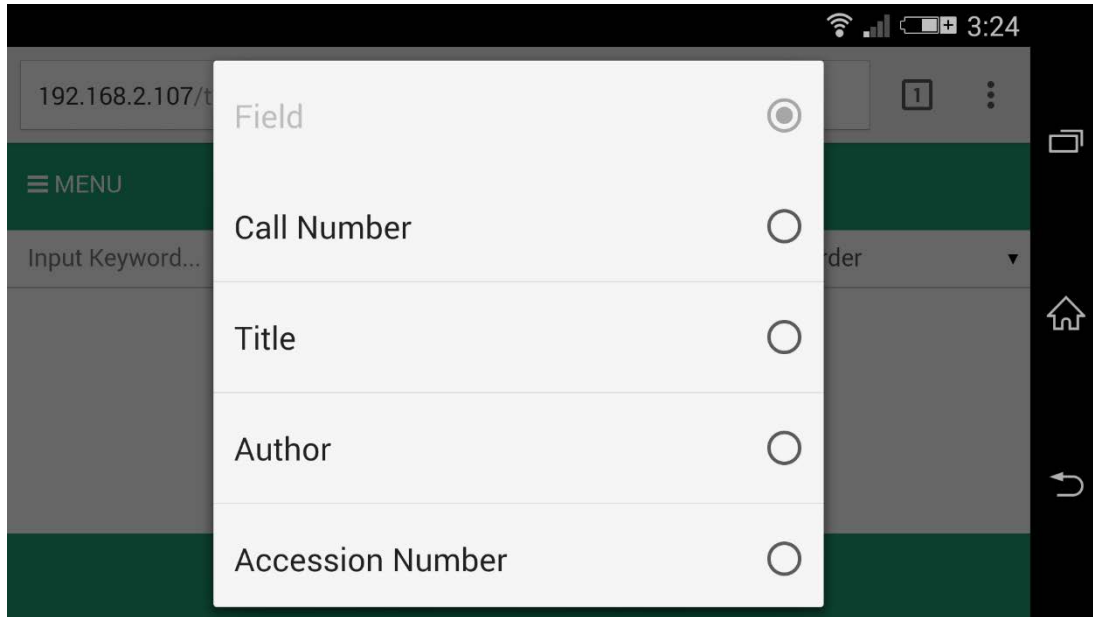
- Input your search term on the **Input Keyword...** box

Search



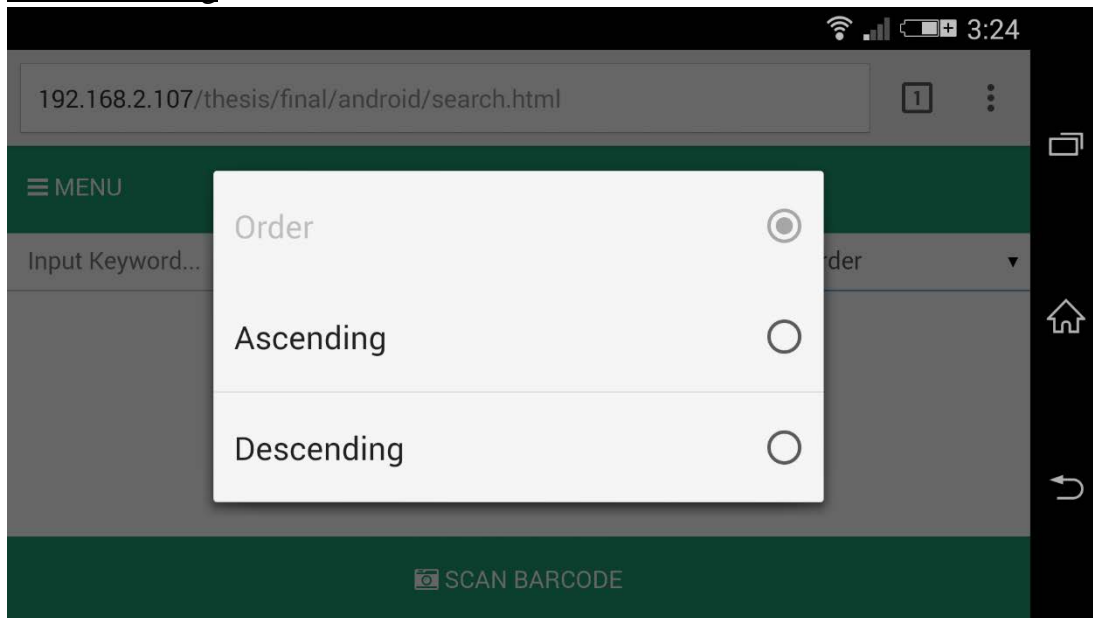
- Select the desired **Field** to search from

Search Field Menu



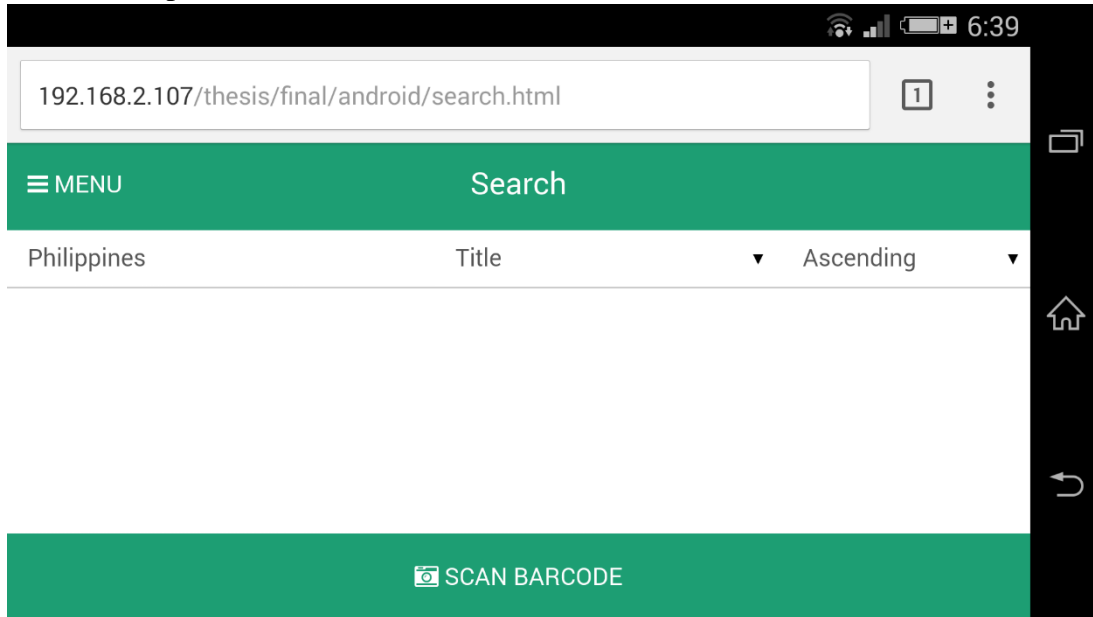
- Select which **Order** should the software arrange the results

Search Ordering

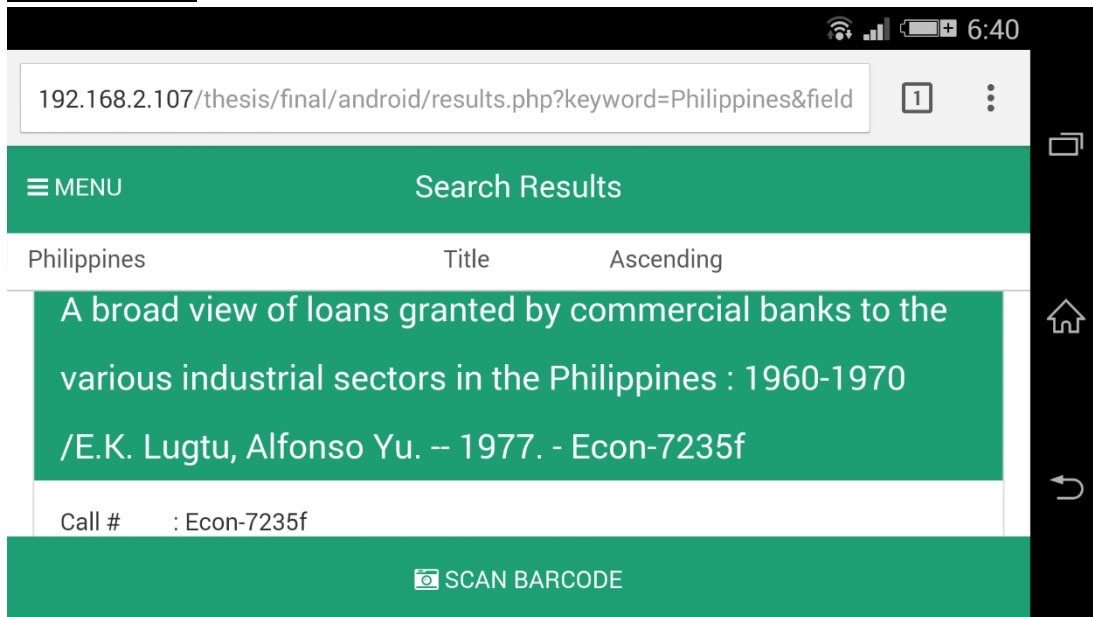


- Result

Search with parameters

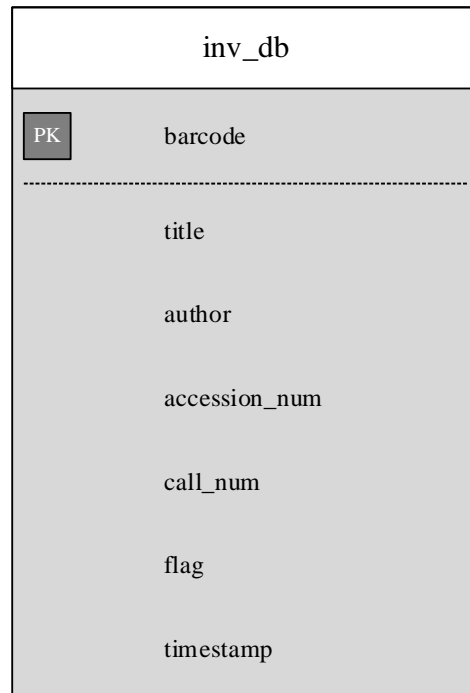


Search Results



Technical Operations

Database Structure



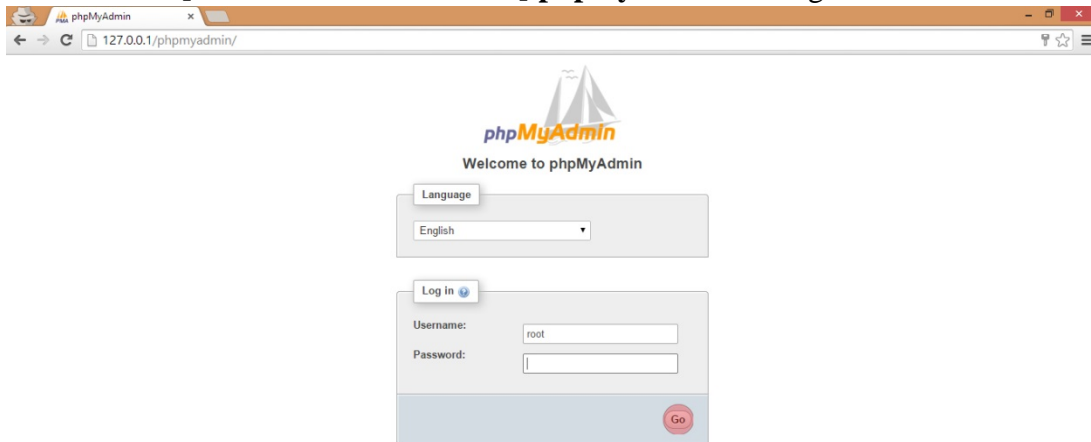
Crow's foot notation of the inventory software's database design

Importing Data Dump: Preparation

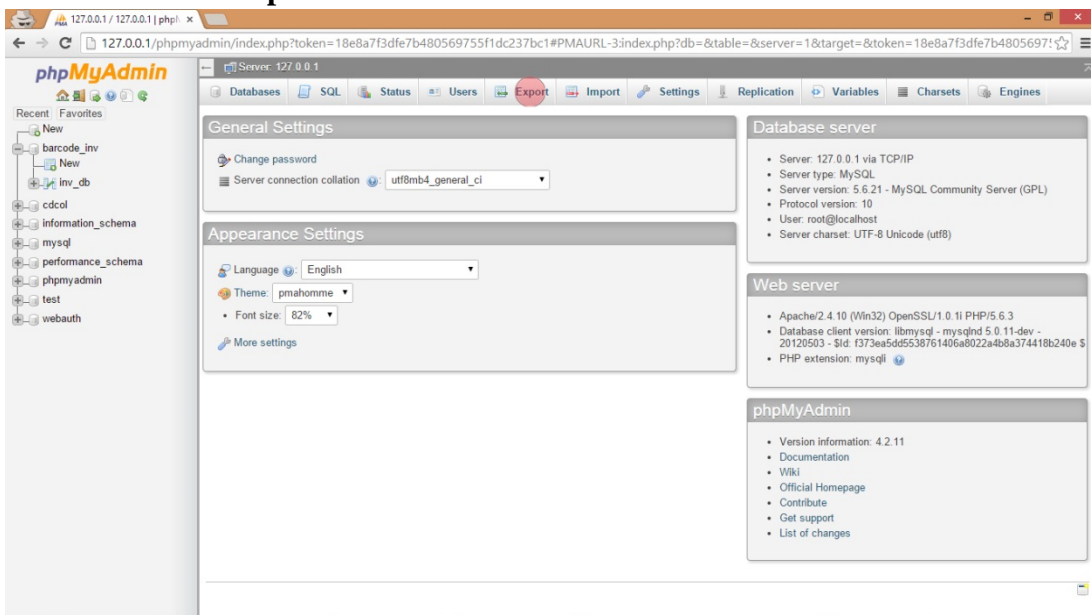
- Open **.csv data dump** using **Microsoft Office Excel** or **LibreOffice Base**
- Omit unnecessary fields. (Please refer to the database structure regarding which fields are essential to the database)
- Arrange columns with respect to the arrangement of columns in the database.
- Save the spreadsheet **as a .csv file**
- (For Microsoft Office Excel Users) Save the file as **CSV (MS-DOS)**

Importing Data Dump: Importing

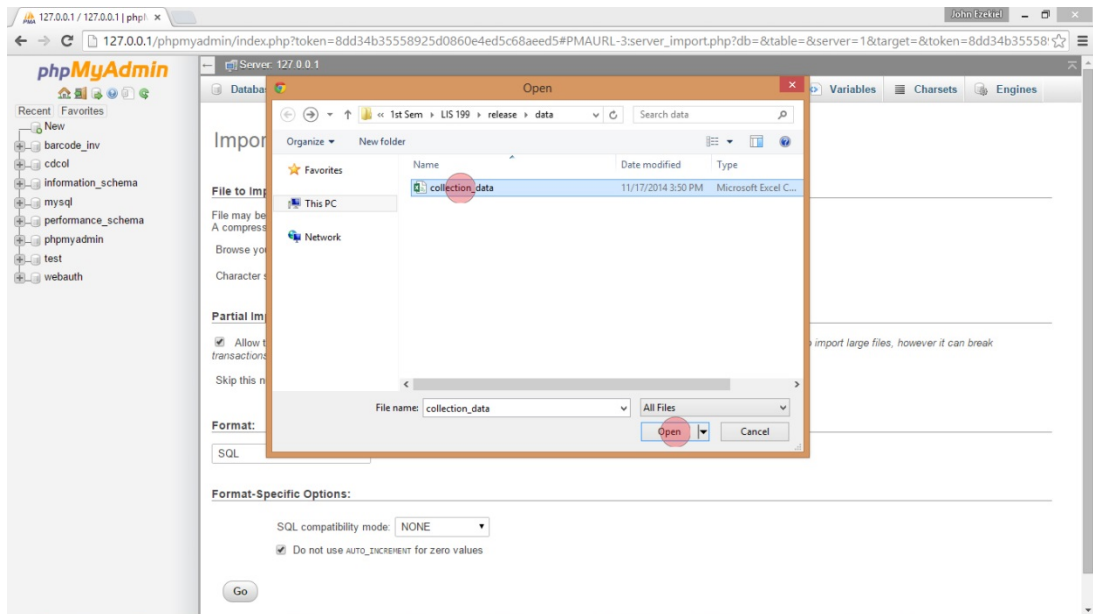
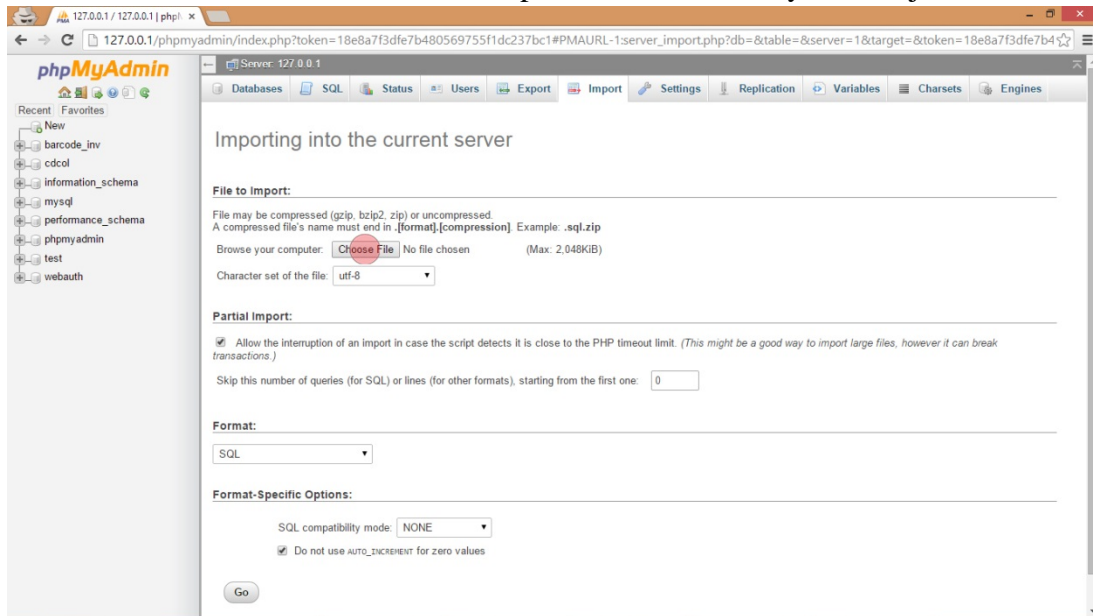
- Go to **[SERVER IP ADDRESS]/phpmyadmin** and login



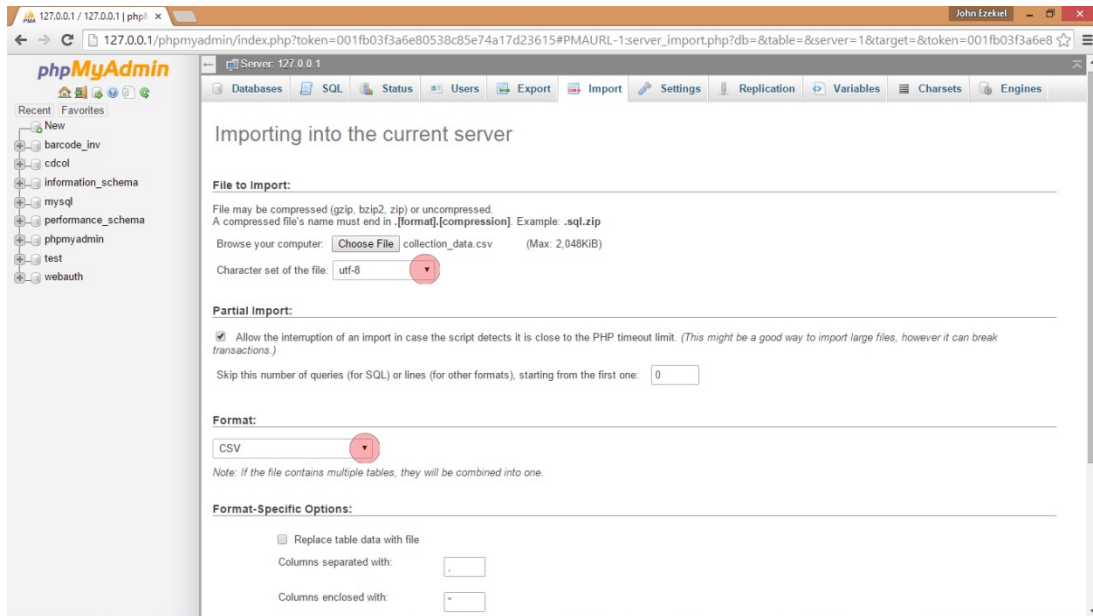
- Go to the **Import Tab**



- Click on **Choose File** and then open the .csv file that you have just saved



- Set character set to **UTF-8** and select **CSV** under **Format**



127.0.0.1 / 127.0.0.1 | phpMyAdmin

127.0.0.1/phpmyadmin/index.php?token=001fb03f3a6e80538c85e74a17d23615#PMAURL-1server_import.php?db=&table=&server=1&target=&token=001fb03f3a6e8

Server: 127.0.0.1

Databases SQL Status Users Export Import Settings Replication Variables Charsets Engines

Importing into the current server

File to Import:

File may be compressed (gzip, bzip2, zip) or uncompressed.
A compressed file's name must end in `[format].[compression]`. Example: `.sql.zip`

Browse your computer: collection_data.csv (Max: 2,048KiB)

Character set of the file:

Partial Import:

☒ Allow the interruption of an import in case the script detects it is close to the PHP timeout limit. (This might be a good way to import large files, however it can break transactions.)

Skip this number of queries (for SQL) or lines (for other formats), starting from the first one:

Format:

Note: If the file contains multiple tables, they will be combined into one.

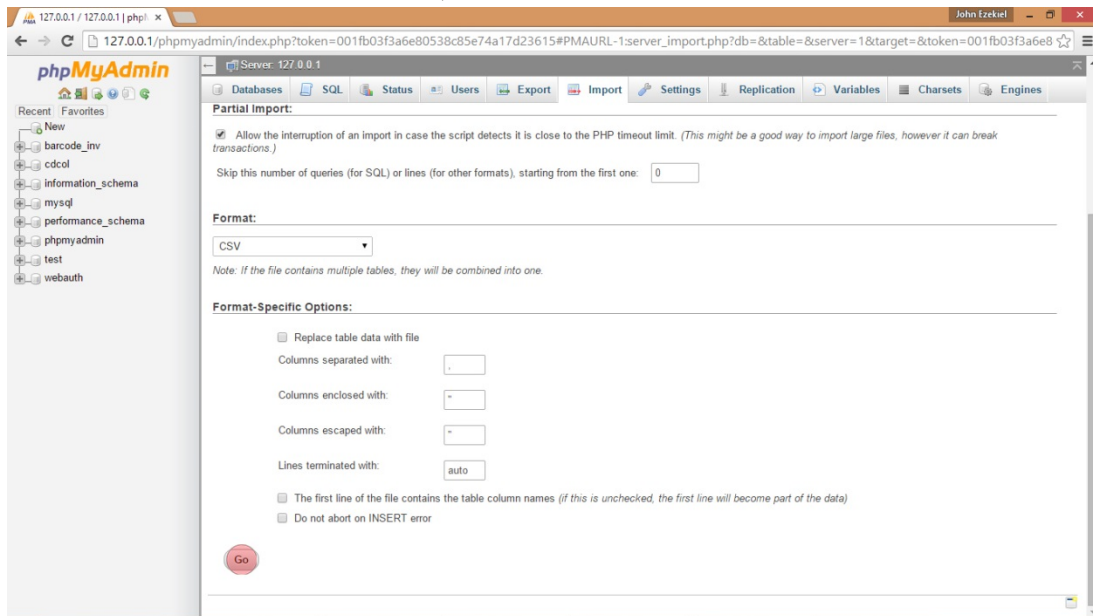
Format-Specific Options:

☐ Replace table data with file

Columns separated with:

Columns enclosed with:

- On the bottom of the form, click on the **Go** button



127.0.0.1 / 127.0.0.1 | phpMyAdmin

127.0.0.1/phpmyadmin/index.php?token=001fb03f3a6e80538c85e74a17d23615#PMAURL-1server_import.php?db=&table=&server=1&target=&token=001fb03f3a6e8

Server: 127.0.0.1

Databases SQL Status Users Export Import Settings Replication Variables Charsets Engines

Importing into the current server

File to Import:

File may be compressed (gzip, bzip2, zip) or uncompressed.
A compressed file's name must end in `[format].[compression]`. Example: `.sql.zip`

Browse your computer: collection_data.csv (Max: 2,048KiB)

Character set of the file:

Partial Import:

☒ Allow the interruption of an import in case the script detects it is close to the PHP timeout limit. (This might be a good way to import large files, however it can break transactions.)

Skip this number of queries (for SQL) or lines (for other formats), starting from the first one:

Format:

Note: If the file contains multiple tables, they will be combined into one.

Format-Specific Options:

☐ Replace table data with file

Columns separated with:

Columns enclosed with:

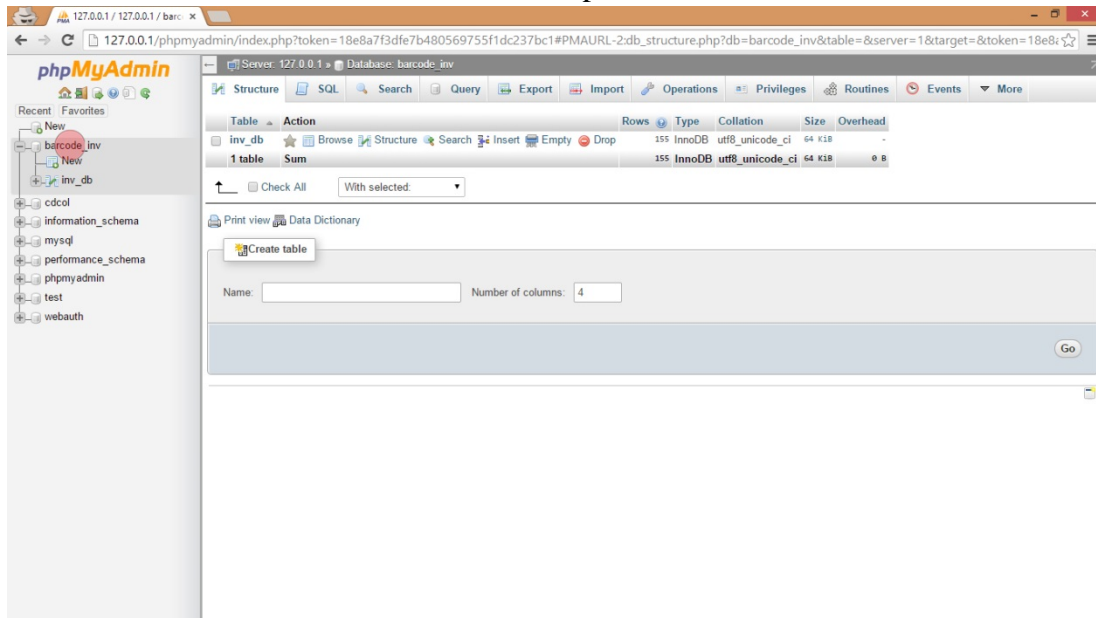
Columns escaped with:

Lines terminated with:

☐ The first line of the file contains the table column names (if this is unchecked, the first line will become part of the data)

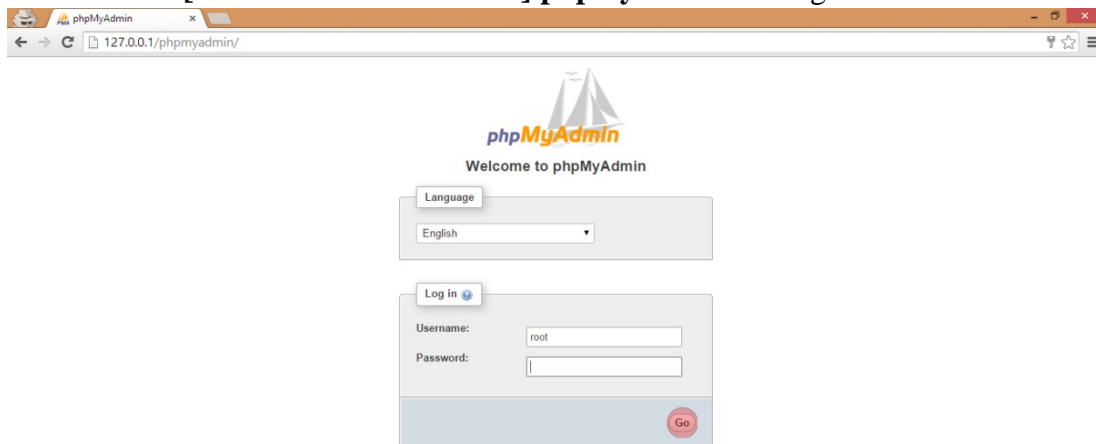
☐ Do not abort on INSERT error

- Go to the **Browse** tab to check the imported data.

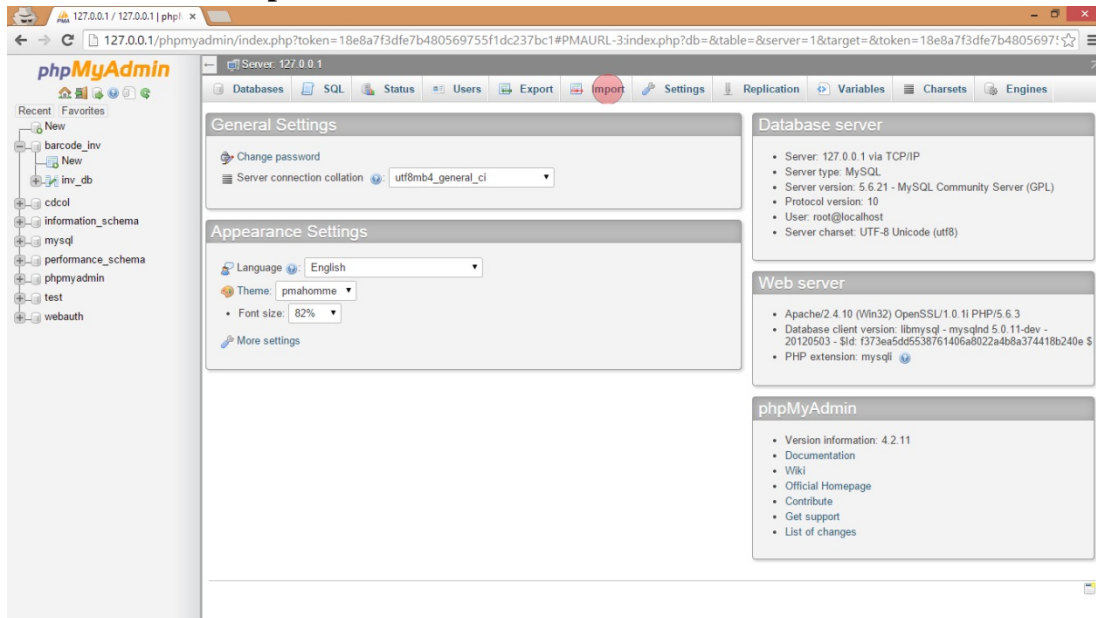


Exporting Data Dump: Complete

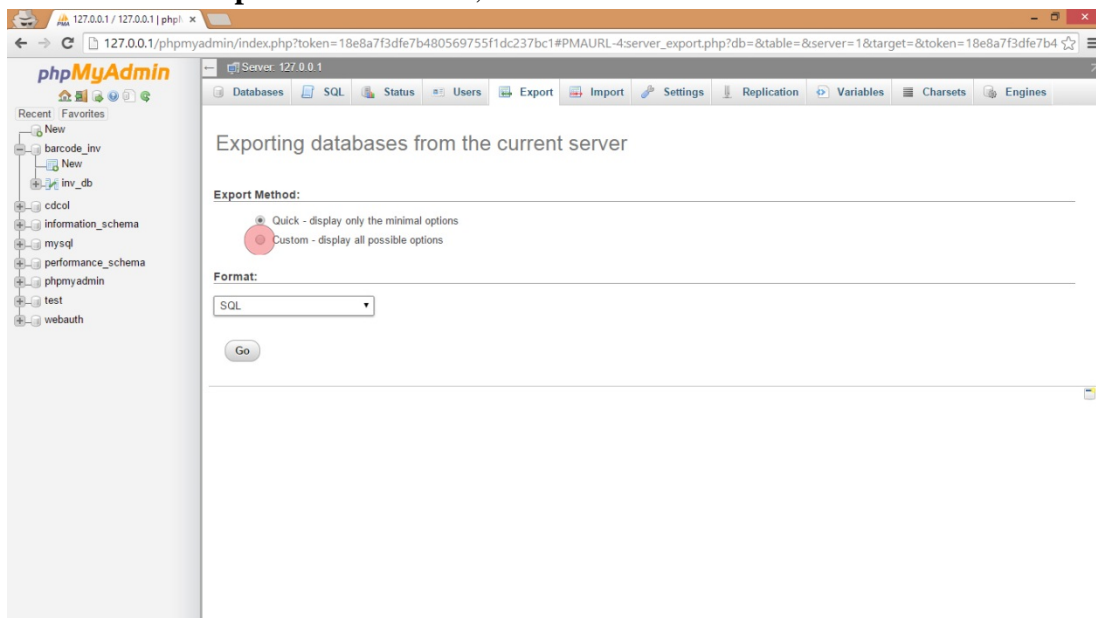
- Go to [SERVER IP ADDRESS]/phpmyadmin and login



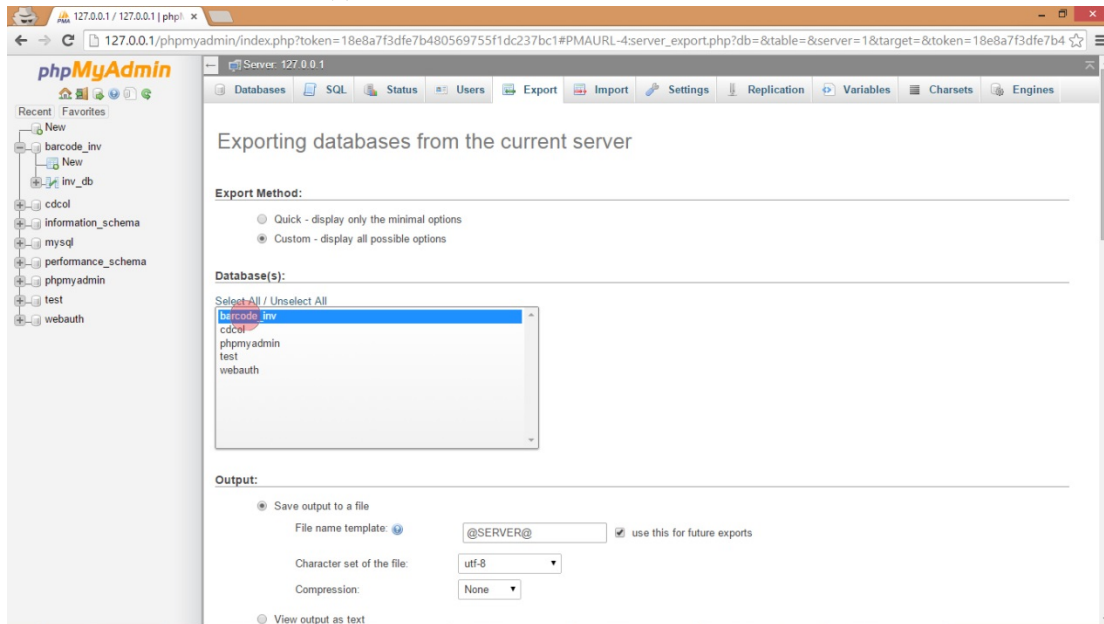
- Go to the **Export** Tab



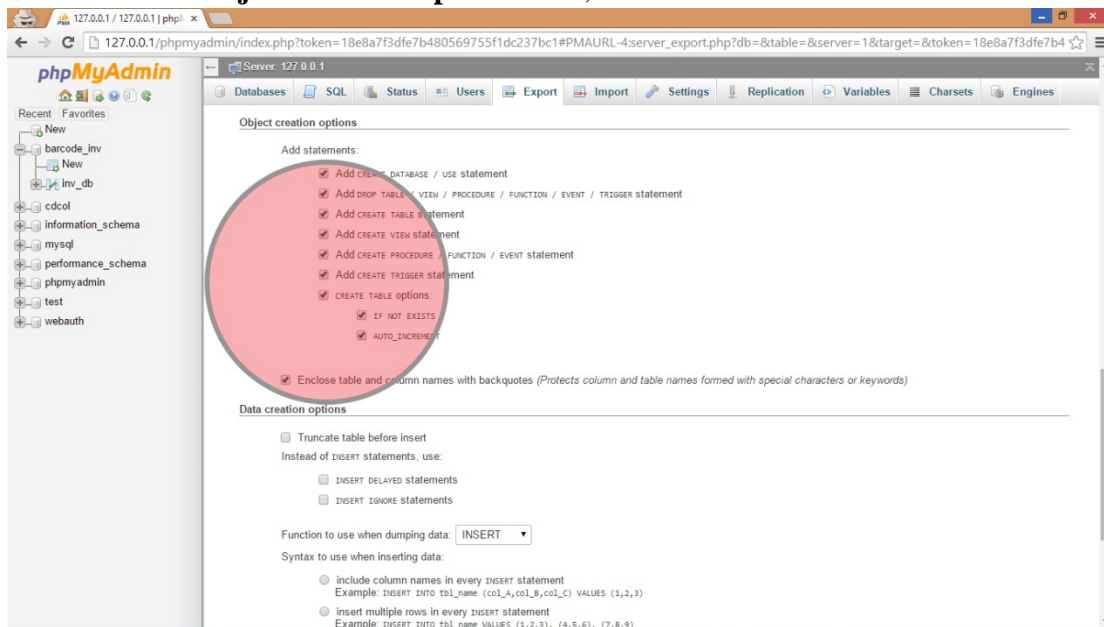
- On the **Export Method** field, select **Custom**



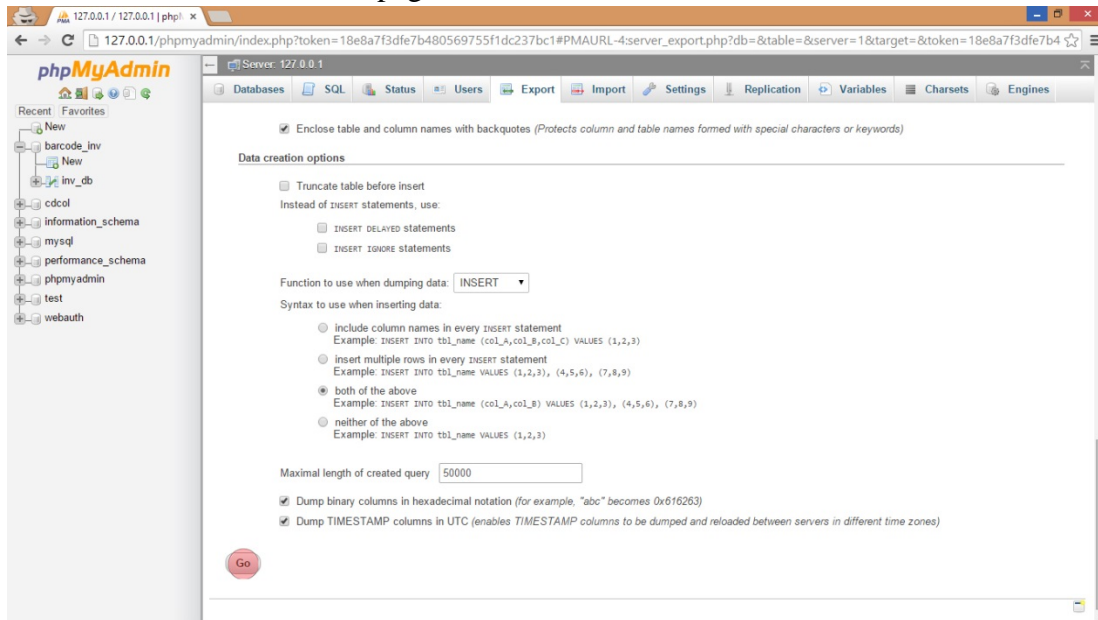
- On the **Database(s)** field, select **barcode_inv**



- On the **Object creation options** field, check **ALL**



- On the bottom of the page, click **GO**



- Input a file name and save the file in a safe location

