Stumbling toward the data you need

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In case you want to follow along...

http://bit.ly/1qx7nl0
“Nobody knows who they were or what they were doing.”

**Agenda**
- Introductions
- Overview of Reports in Evergreen
- “Tour” of the Reports Interface
- Building a Template
- Creating a Report
- Viewing Output
- Troubleshooting
“Hello Cleveland!”

The report building experience in Evergreen.
“I've been working with this now for about half an hour...it's a complete catastrophe!”

Building reports can be a challenge at first.
“These go to eleven.”

Evergreen vs. Legacy Systems
“Quite exciting, this computer magic!”

Knowledge of relational databases is helpful.
Data in Evergreen is stored in a relational database. Relational databases are made up of multiple tables. Each time you add an item, register a patron, or check out an item to a patron, you are adding at least one row to at least one table.
Every row in every table has a unique numeric ID, sometimes called the primary key.

The primary key can be used to link tables together. When the primary key of one table it referenced in another table, it is called a foreign key.
# Patron Table

<table>
<thead>
<tr>
<th>ID</th>
<th>First Name</th>
<th>Last Name</th>
<th>Middle Name</th>
<th>...</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>David</td>
<td>St Hubbins</td>
<td></td>
<td>...</td>
</tr>
<tr>
<td>002</td>
<td>Nigel</td>
<td>Tufnel</td>
<td>“Tuffy”</td>
<td>...</td>
</tr>
</tbody>
</table>

# Item Table

<table>
<thead>
<tr>
<th>ID</th>
<th>Barcode</th>
<th>Creation Date/Time</th>
<th>Price</th>
<th>...</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>333330305823</td>
<td>03/10/13 12:00 PM</td>
<td>25.00</td>
<td>...</td>
</tr>
<tr>
<td>002</td>
<td>333330458211</td>
<td>11/11/11 11:11 AM</td>
<td>11.11</td>
<td>...</td>
</tr>
</tbody>
</table>

# Circulation Table

<table>
<thead>
<tr>
<th>ID</th>
<th>Check Out Date/Time</th>
<th>Circling Item</th>
<th>User</th>
<th>...</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>3/13/14 10:56 AM</td>
<td>002</td>
<td>001</td>
<td>...</td>
</tr>
<tr>
<td>002</td>
<td>3/13/14 11:12 AM</td>
<td>001</td>
<td>002</td>
<td>...</td>
</tr>
</tbody>
</table>
SQL stands for “Standard Query Language.”
ALL Evergreen reports are long and complex SQL queries!
The more you know about SQL, the better you will be at building reports.*

*The more you know about SQL, the less you will want to use the reporter :)
In order to begin building a report, you must pick a **source**. Sources in the Evergreen reporter roughly correspond to tables in the Evergreen database. You will want to consider how you will be **filtering** your results when choosing your source.
Goal: Items in a location that are over 10 years old and haven’t circ’d in 2 years.
Weeding Report

Filters:
- Shelving Location
- Call Number Range
- Last Check Out Date
- Owning Library
- Not Deleted
- Creation Date

Display Fields:
- Shelving Location
- Circ Modifier
- Call Number
- Author
- Title
- Publication Date
- Barcode
- Last Check Out Date
- Number of Check Outs
Can’t get enough reports?

Friday 1:15 - 2:00 PM
Reports Interest Group Meeting

Saturday 10:50 AM - 12:00 PM
SQL for Librarians
Resources

Evergreen Documentation:  
http://docs.evergreen-ils.org (Look for your version of Evergreen)

Georgia PINES Reports Documentation:  http://pines.georgialibraries.org/reports

SITKA Reports Documentation:  
http://docs.sitka.bclibraries.ca/Sitka/current/html/report.html

Evergreen Indiana Reports Tutorials:  
http://www.in.gov/library/3380.htm#report

Link to this presentation:  
http://bit.ly/1gx7nI0
Thank you!

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