UCLA Research Workshop Series Summer 2020

FileMaker pro

Anthony Caldwell





What is a Database?





A database is...

An organized collection of data

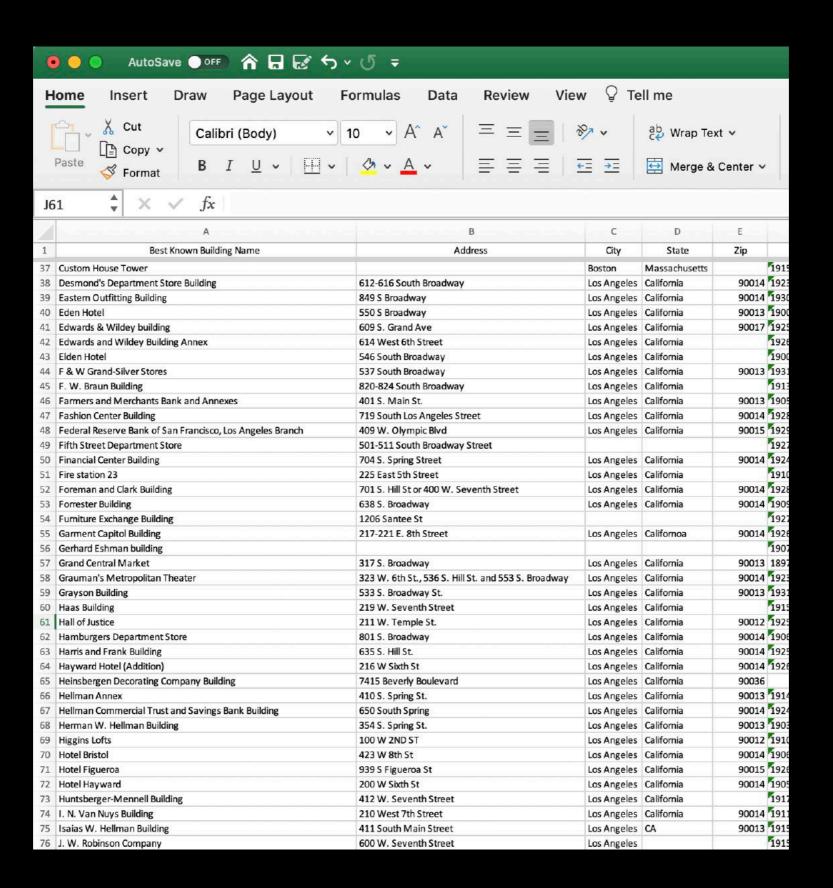




Why do I need a database?

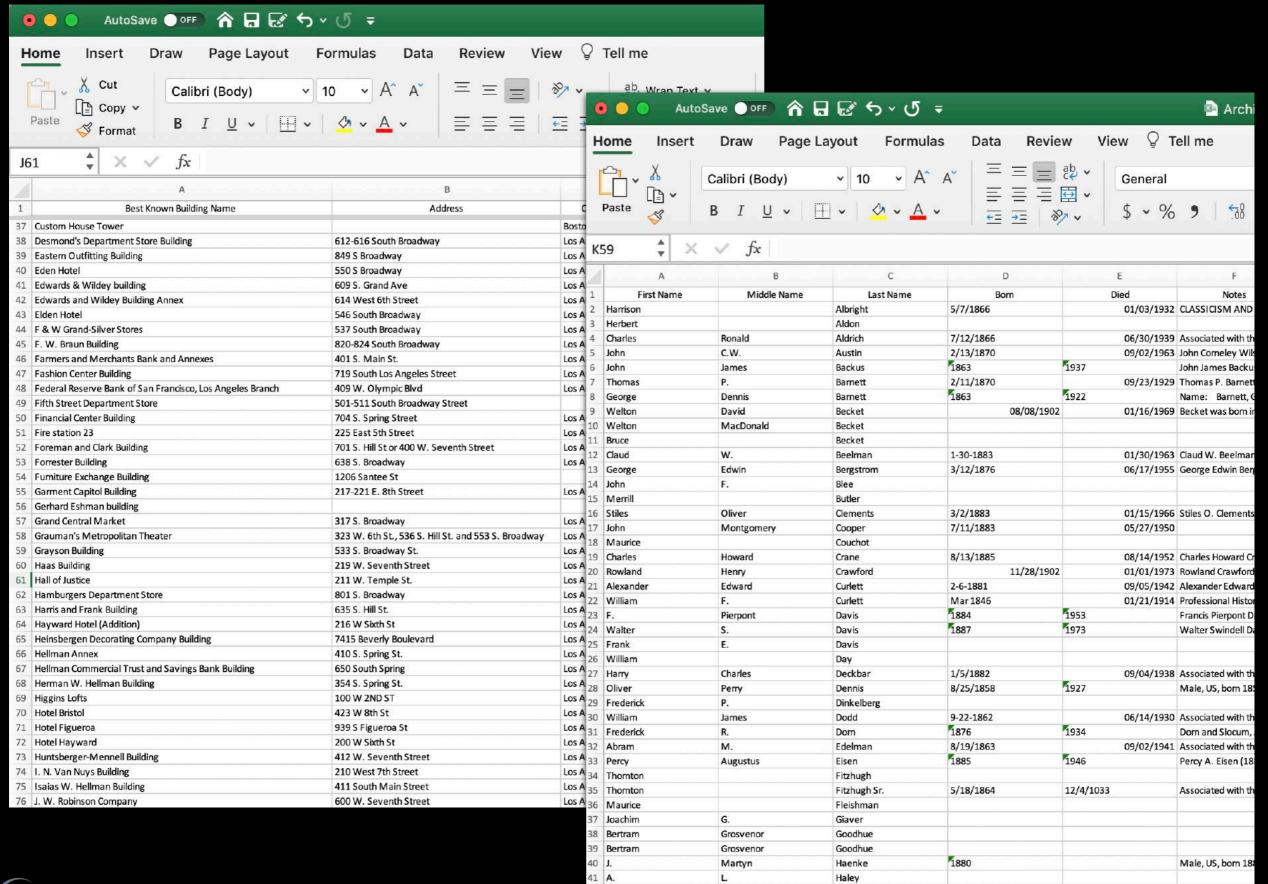






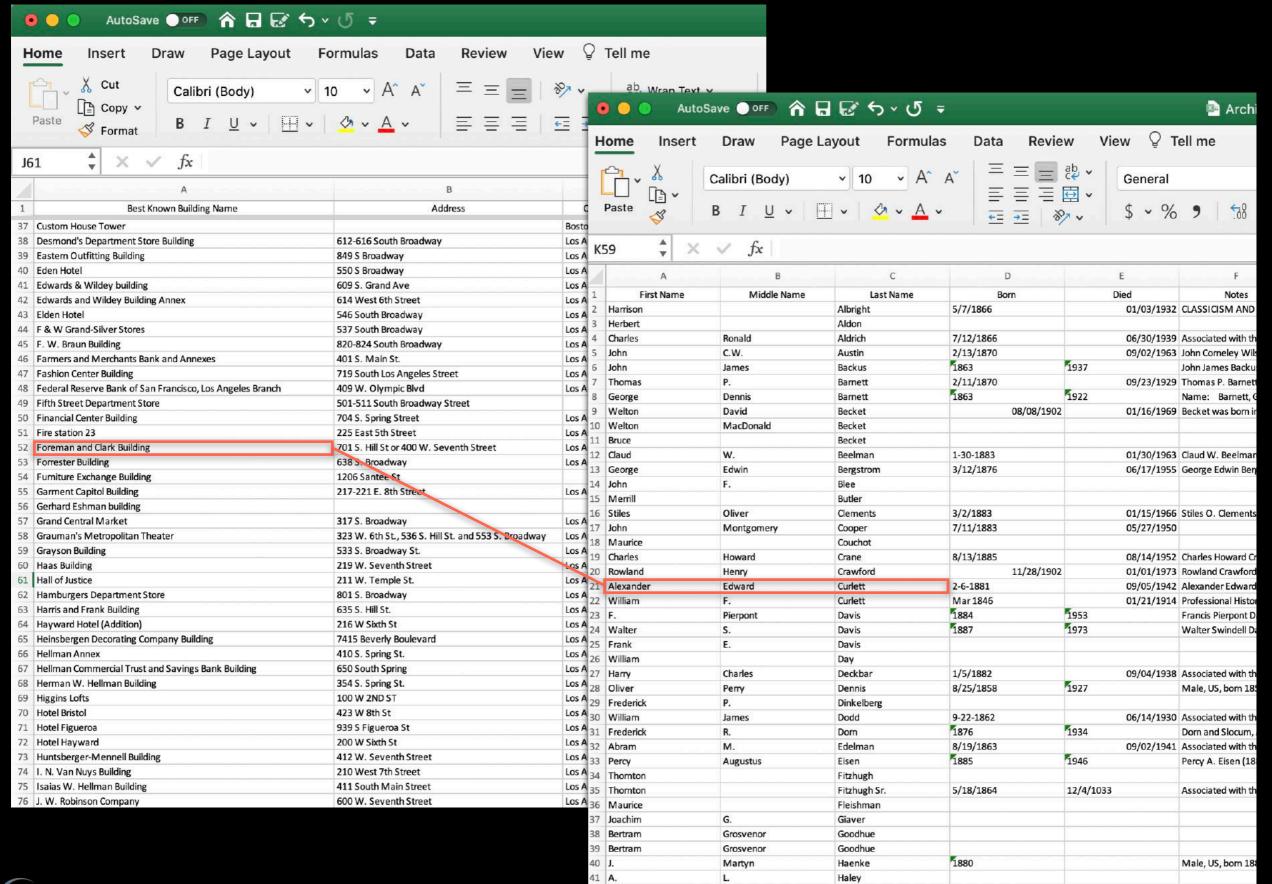






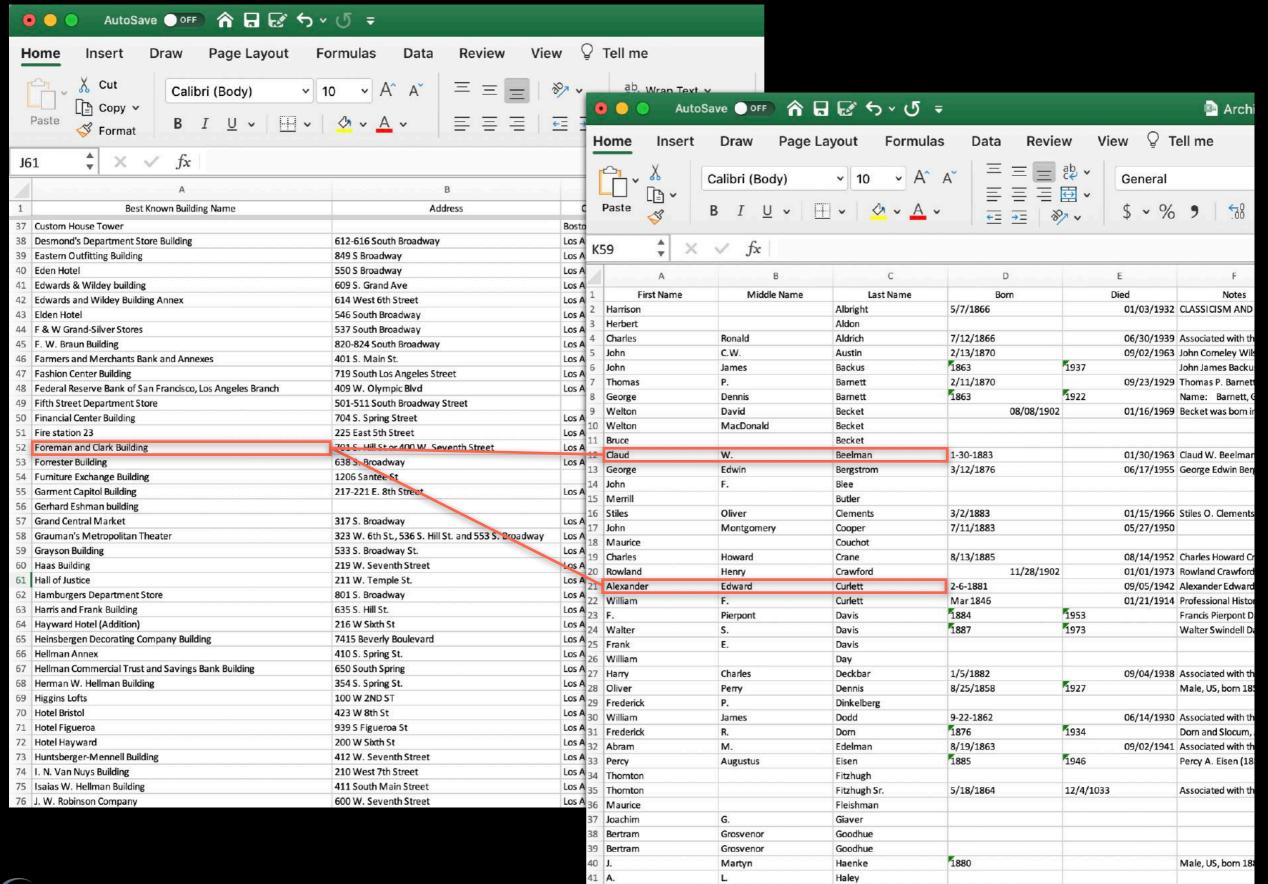






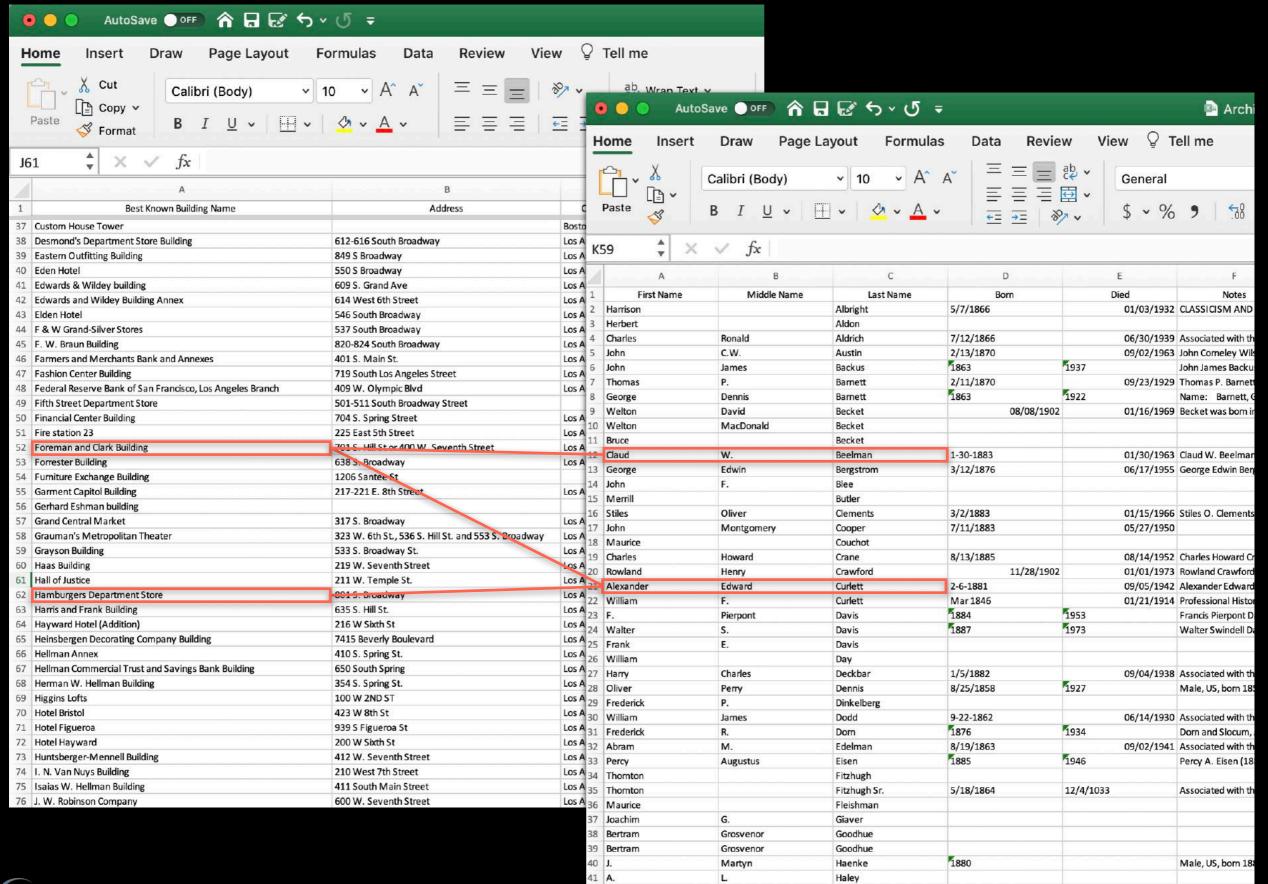






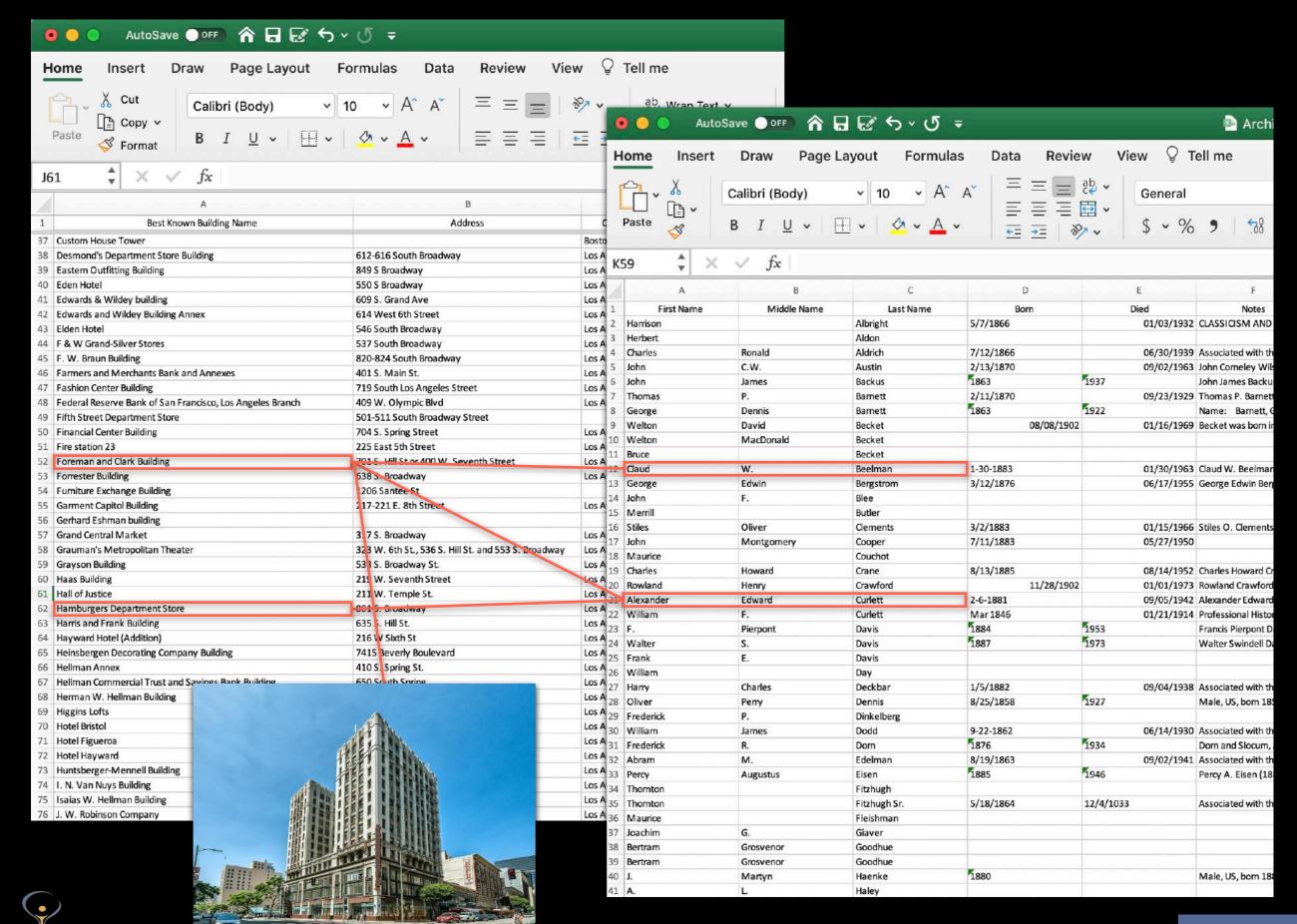




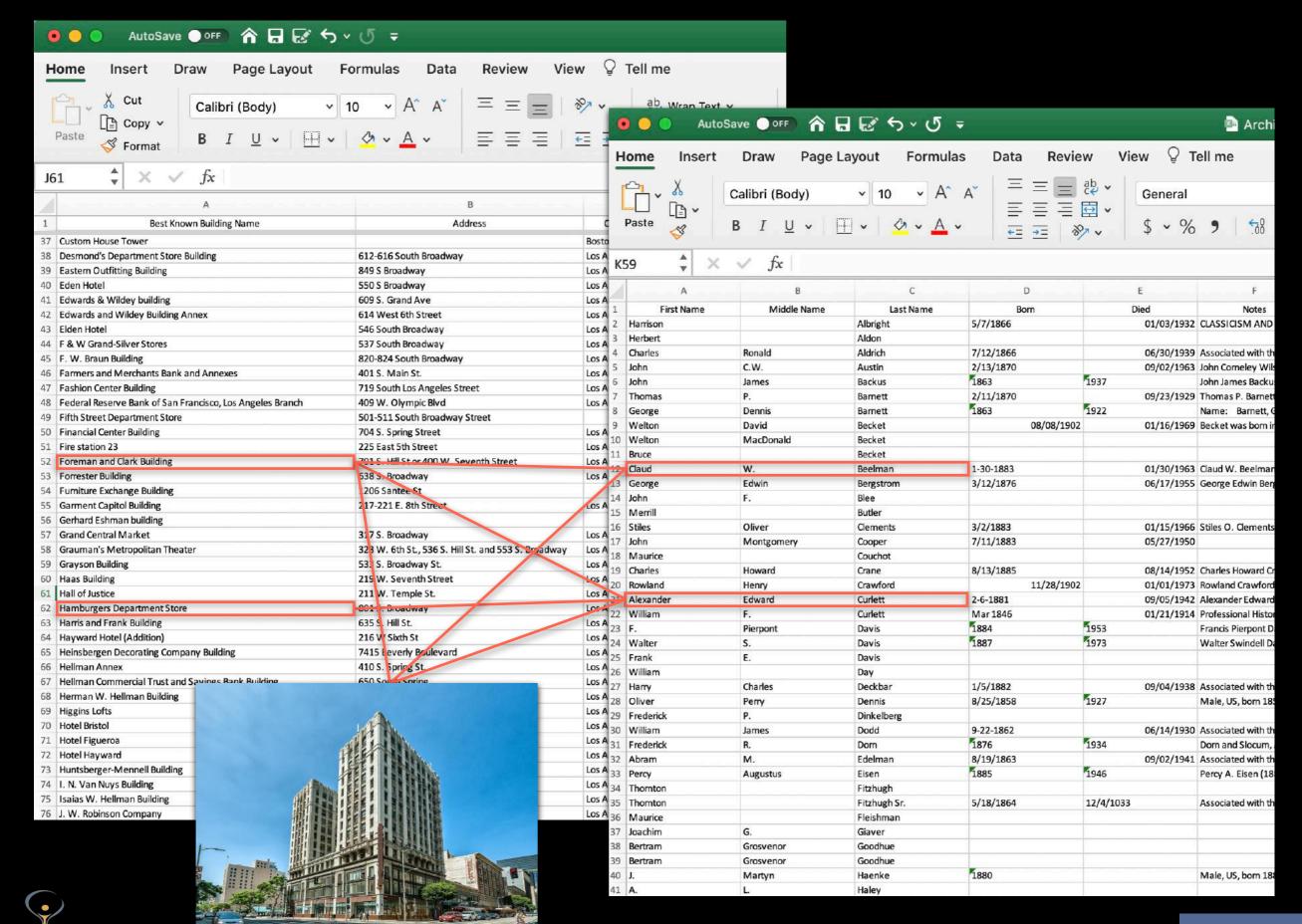




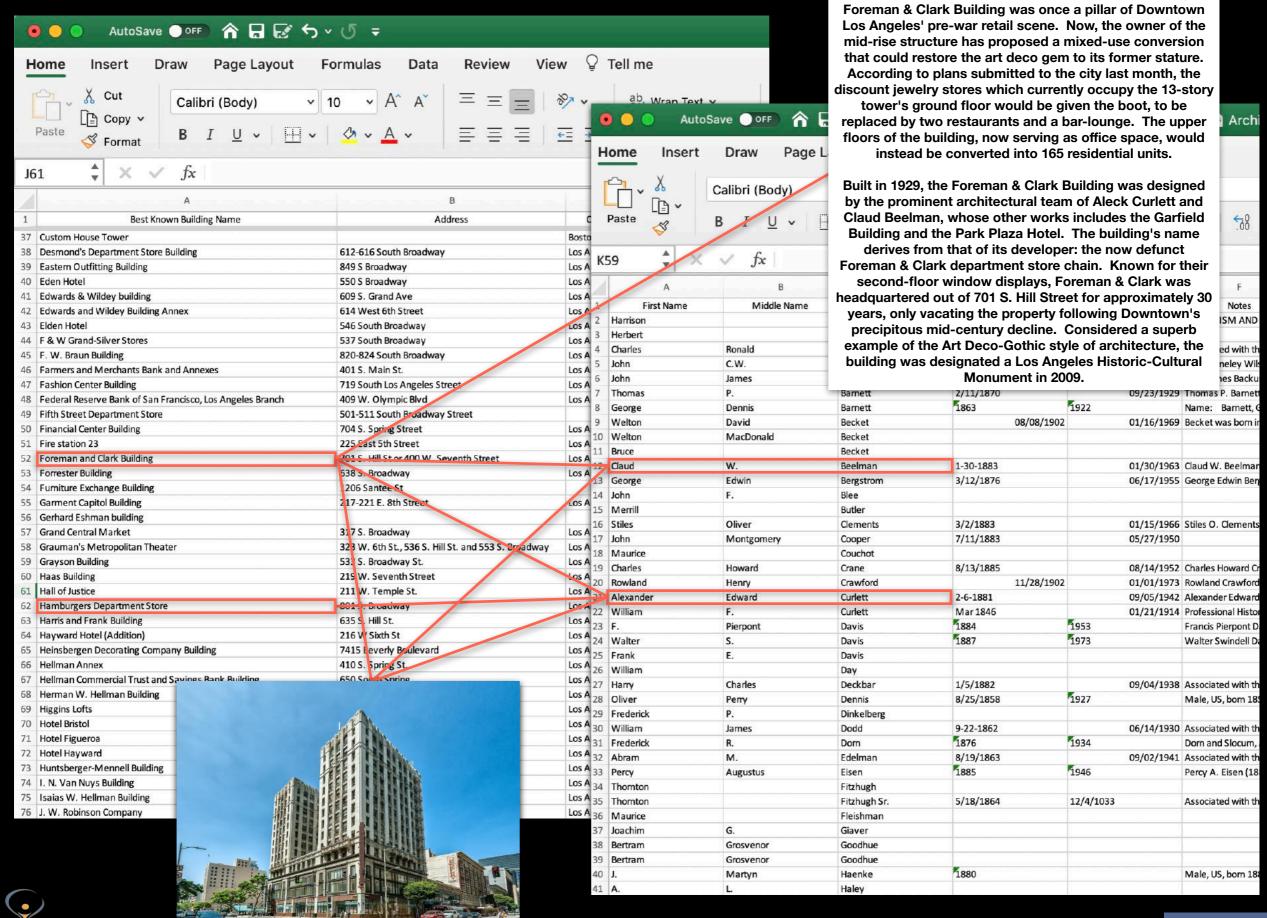






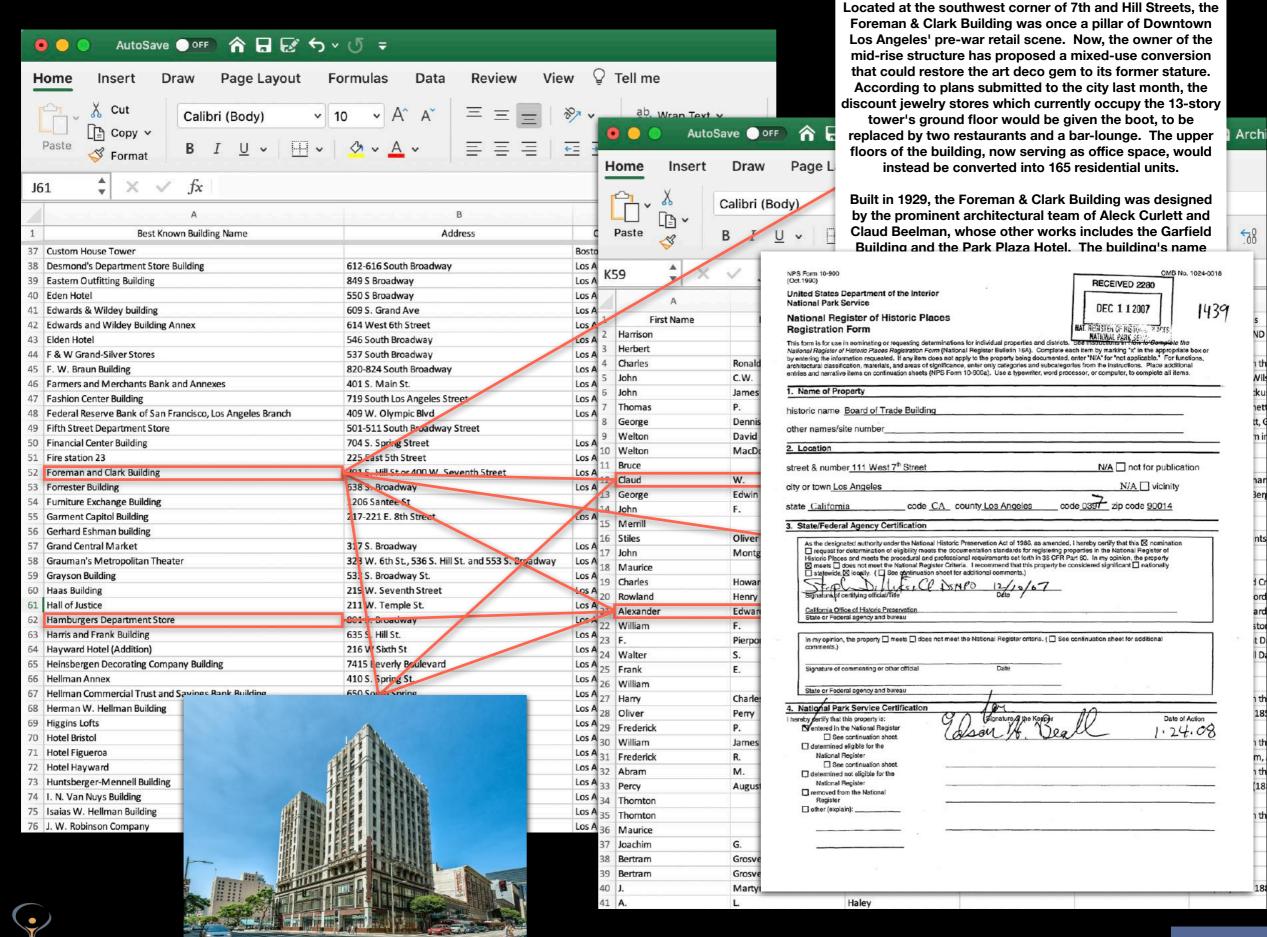








Located at the southwest corner of 7th and Hill Streets, the





You need a database





Why FileMaker?

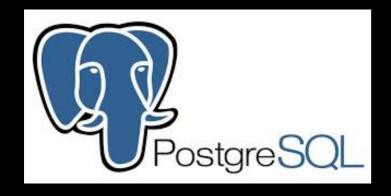






























Commercial Large Scale



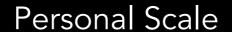
















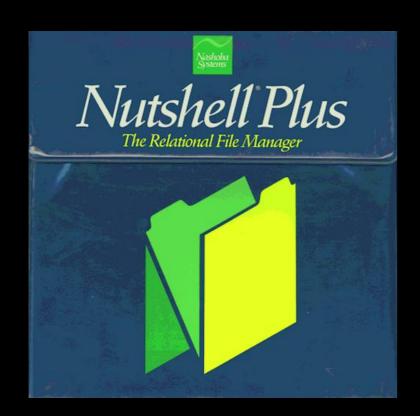
What is FileMaker pro?

Cross-platform database application that allows users to organize data into screens, layouts or forms





Early 1980s

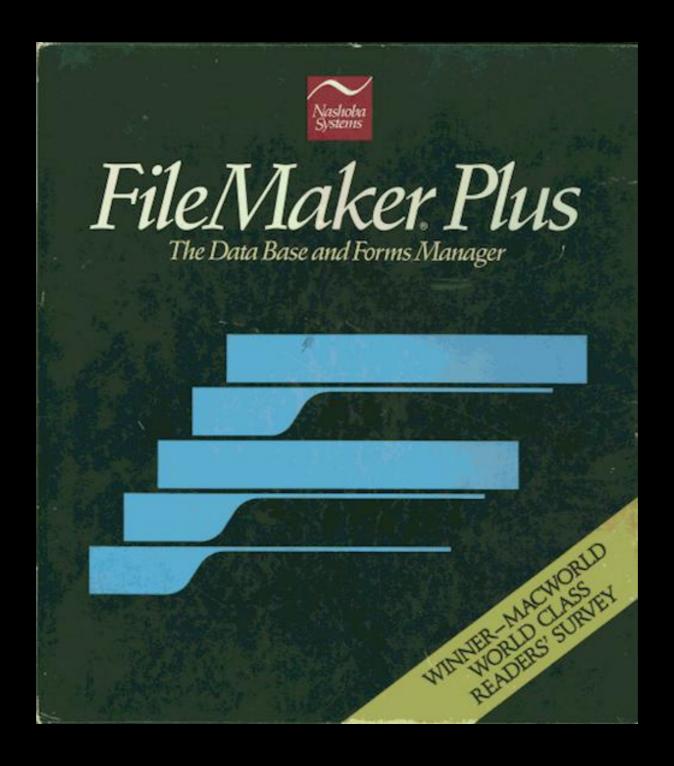




Developed by Nashoba Systems, distributed by Leading Edge MS-DOS-based





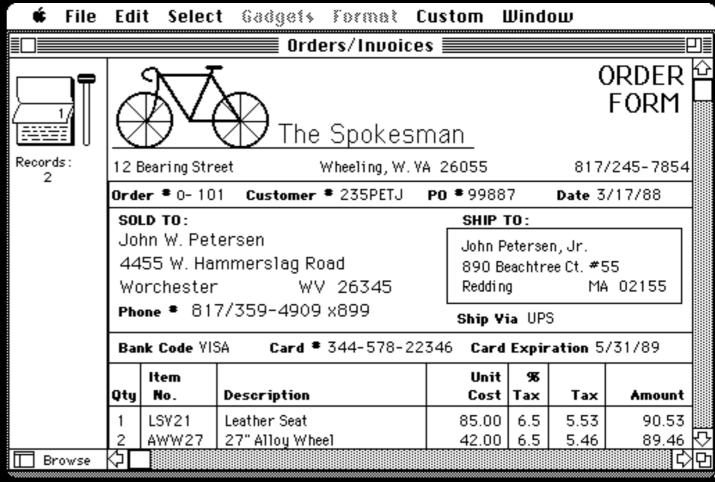


FileMaker 1.0 Macintosh









First version to be published by Claris Corporation (aka Apple)





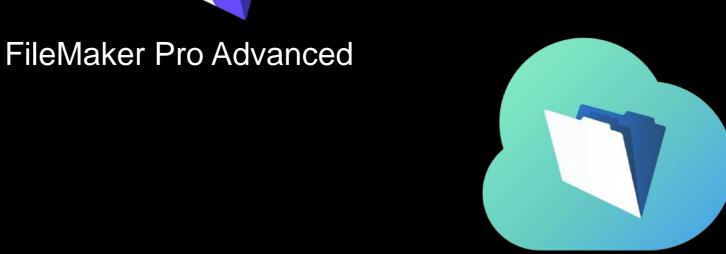






FileMaker Cloud





FileMaker Platform





Import



FileMaker Pro Advanced

File Maker Pro

Comma-Separated Values

Custom-Separated Values

Merge Files

Excel 95-2004 Workbooks (.xls)

Excel Workbooks (.xlsx)

dBase Files





ODBC



FileMaker Pro Advanced



Microsoft SQL Server and Sybase

MySQL, PostgreSQL and SQLite

Oracle

Microsoft Access(.mdb, .accdb, .xls, .csv and .txt files)





Export







Tab-Separated Values

Comma-Separated Values

DBF

Merge

HTML Table

File Maker Pro

XML







Data Types

Text: 10,000,000 characters per field per repetition (limited by available memory) with optional

text style runs and paragraph runs. Index is based on the first 100 characters of each

word or value.

Number: Support values from 10^-400 up to 10^400 and the negative values of the same range.

Index based on the first 400 significant digits. Up to 1 billion characters per field. The

first 400 digits are indexed.

Date: Gregorian calendar with the range of 1/1/0001...12/31/4000. Month, day, year order

based on system settings when file is created.

Time: Input formats: Hour:Minute:Seconds. Fractional, Hour:Minute:Seconds, Minute:Seconds.

Fractional, Hour:Minute, Seconds.Fractional and Seconds. Time may be preceded by a negative sign and each numeric value must be in a range of 0 to 999999. Times are not limited to 24-hour format to allow for calculations spanning multiple days. If the minutes or

seconds exceed 60, the excess is carried over to minutes or hours as appropriate.

Timestamp: Standard date followed by spaces and then by a time in the range of 0:0:0.0 to

23:59:59.999999.

Container: Multiple streams of binary data totaling no more then 4 gigabytes per container field.

(remote storage available)

Calculation: Depends on result type.

Summary: Depends on result type.





Tables

Building ID	Building Name	Building Information	Building Address	
1	Orpheum (Palace) Theatre	The Orpheum Theatre-1911	630 S. Broadway	90014
2	Sun Realty Building	The Sun Realty Building-1931	629 S. Hill St.	90014
3	William May Garland Building	The William May Garland Building-1924	859 South Spring	90014
4	Los Angeles Stock Exchange Building	The Los Angeles Stock Exchange Building-1931	618 S. Spring St.	90014
5	Fine Arts Building	The Fine Arts Building-1926	811 West 7th Street	90017
6	Garfield Building	The Garfield Building-1930	403 W. Eighth St.	90014
7	Gerry Building	The Gerry Building-1947	910 S. Los Angeles St.	90015
8	Van Nuys Building Annex	Van Nuys Building Annex-1929	719 South Spring street	90014
9	Eastern Columbia Outfitters Building	The Eastern Outfitting Building Building-1930	849 S Broadway	90014
10	Orpheum Theatre and Office Building	Orpheum Theatre and Office Building-1926	842 S Broadway	90014
11	Merritt Building	The Merritt Building-1915	761 S Broadway (301 West 8th Stree	90014
12	Van Nuys Hotel	The Van Nuys Hotel-1896	103 W 4th Street	90013
13	Pantages (Arcade) Theatre	The Pantages Theatre-1910	534 S. Broadway	90013
14	Ninth and Broadway Building	The Ninth and Broadway Building-1930	850 S. Broadway	90014
15	Herman W. Hellman Building	The Herman W. Hellman Building-1903	354 S. Spring St.	90013
16	Los Angeles Theatre	The Los Angeles Theatre-1931	615 S Broadway	90014
17	Los Angeles City Hall	Los Angeles City Hall-1928	200 N. Spring Street	90012
		Pacific Southwest Bank Building-1910	215 West Sixth Street	90013
19	James Oviatt Building	The James Oviatt Building-1928	617 S Olive St	90014
20	Ken Stoakes Fireproof Garage	Ken Stoakes Fireproof Garage-1924	816 S Grand Ave	90017
21	Financial Center Building	The Financial Center Building-1924	704 S. Spring Street	90014
22	I. N. Van Nuys Building	The I. N. Van Nuys Building-1911	210 West 7th Street	90014
23	Bendix Aviation Building	The Bendix Aviation Building-1929	1206 Maple Avenue	90015
24	Rosslyn Hotel Annex	The Rosslyn Hotel Annex-1923	102 W Fifth St	90013
25	Rosslyn Hotel	The Rosslyn Hotel-1914	100 W. Fifth St	90013
26	United Artists Theater and California Petroleum Corporation	United Artists Theater and California Petroleum Corporation Building-1927	933 S. Broadway	90015
27	Hayward Hotel	The Hayward Hotel-1905	200 W Sixth St	90013
28	Board of Trade Building	The Board of Trade Building-1926	111 W. Seventh Street	90014
29	Pantages (Warner Bros. Downtown) Theatre	The Pantages Theatre-1920	410 W. Seventh St	90013
	Biltmore Hotel	The Biltmore Hotel-1923	515 S. Olive St.	90014
31	Title Insurance and Trust Building	The Title Insurance and Trust Building-1928	433 South Spring	90013
32	Tower Theatre	The Tower Theatre-1927	800 S. Broadway	90014
33	Sun Drug Building	The Sun Drug Building-1922	700 S. Hill Street	90014
34	Foreman and Clark Building	The Foreman and Clark Building-1928	701 S. Hill St	90014
35	Hellman Annex	The Hellman Annex-1914	410 S. Spring St.	90013
36	Stowell Hotel	The Stowell Hotel-1913	416 S. Spring St	90013
37	Edwards & Wildey building	The Edwards & Wildey building-1925	609 S. Grand Ave	90017
		The Title Guarantee & Trust Building-1930	411 W. Fifth St.	90014
0.00		Pacific Mutual (Sentry) Building-1921	523 W. Sixth St.	90014
The second secon	Crocker-Citizen Plaza (AT&T Center)	Crocker-Citizen Plaza (AT&T Center)-1969	611 West 6th Street	90014
		The William Fox Building-1932	608 S Hill Street	90014





Table Relationships

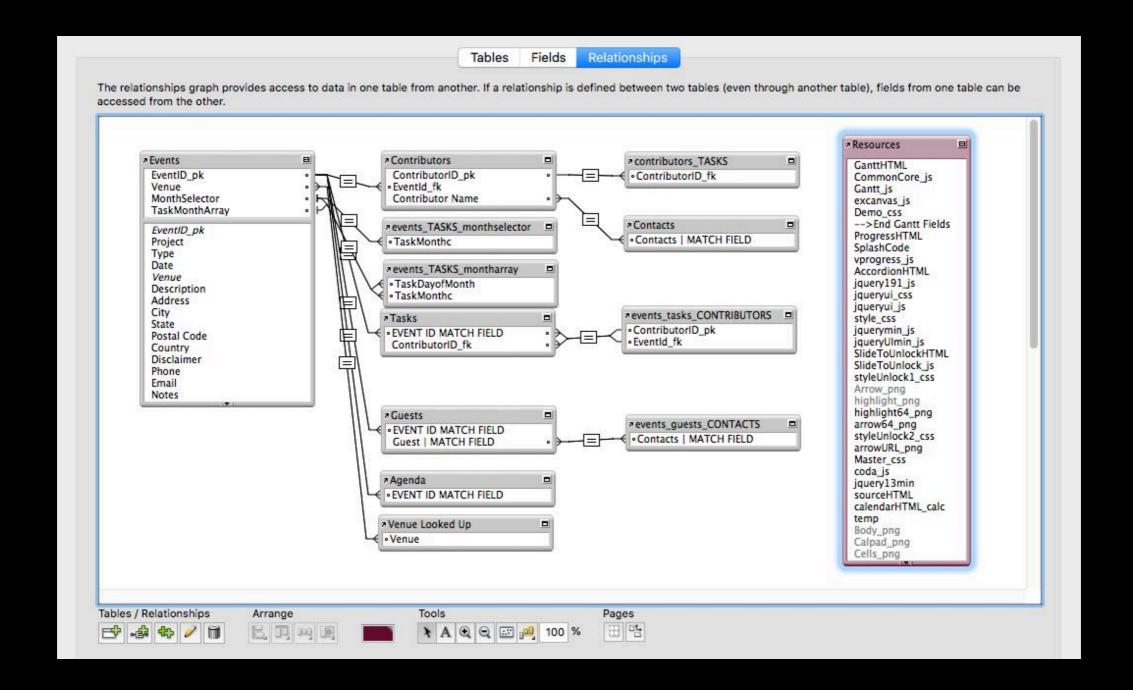
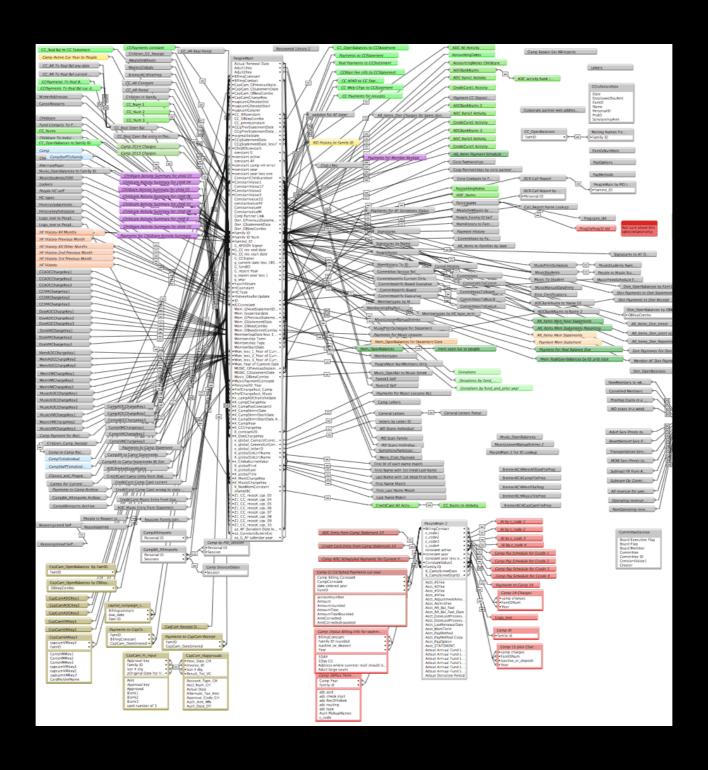






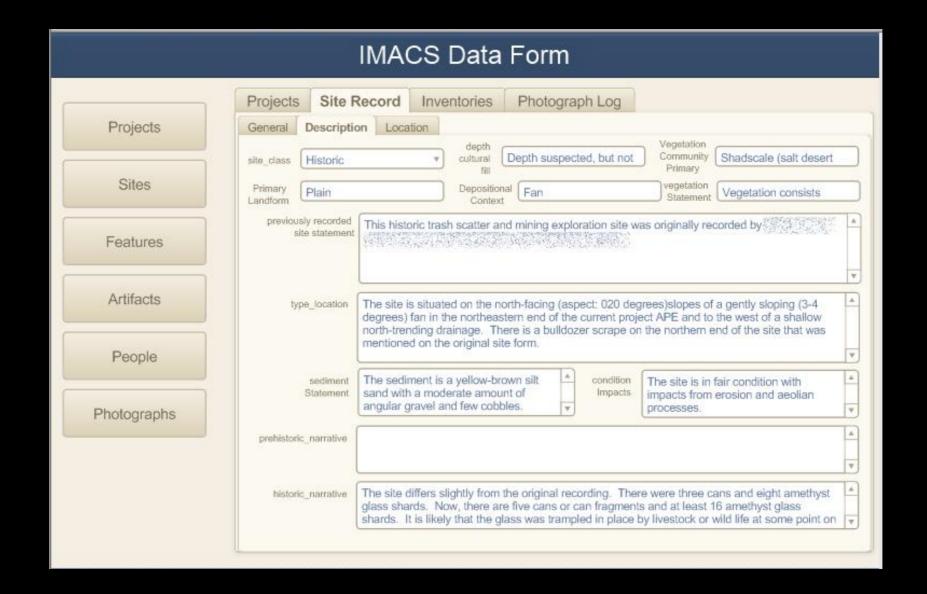
Table Relationships







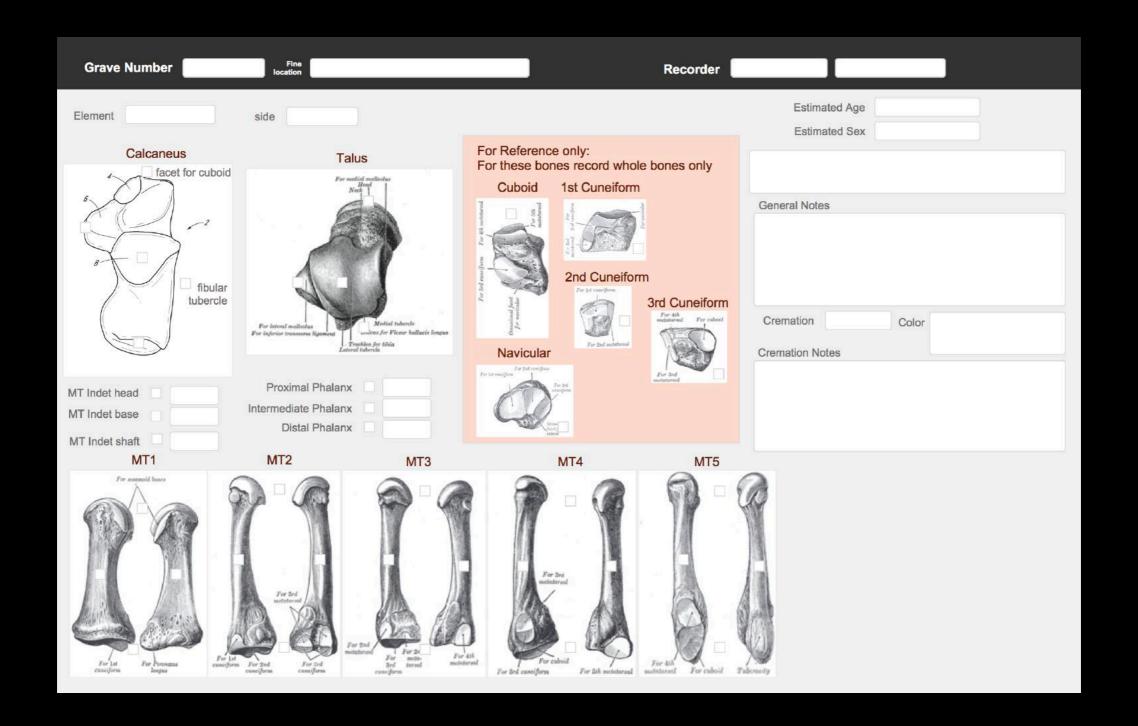
Forms







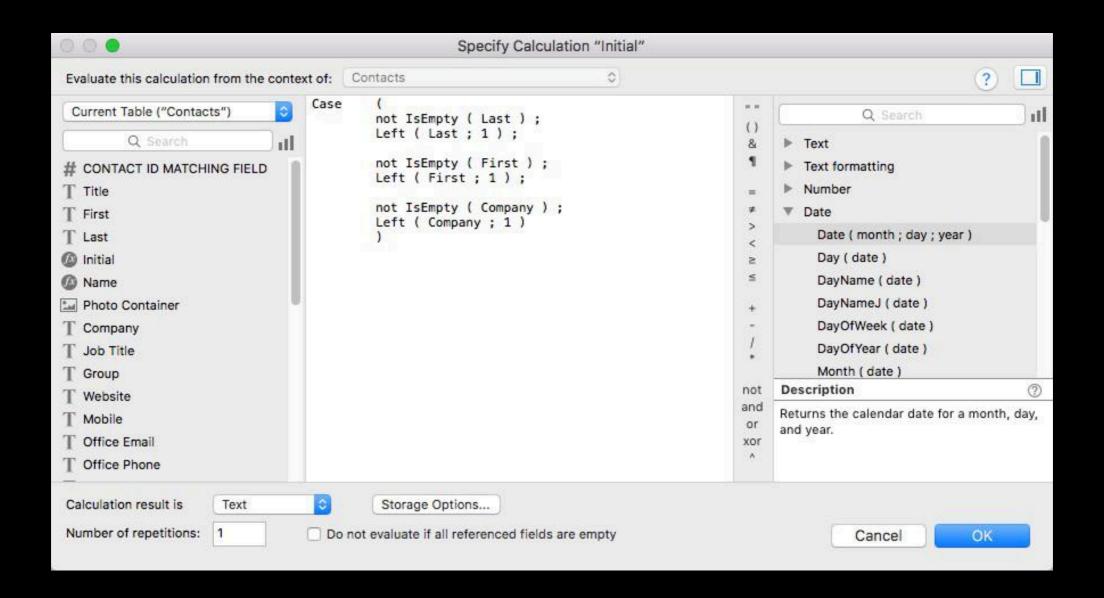
Forms







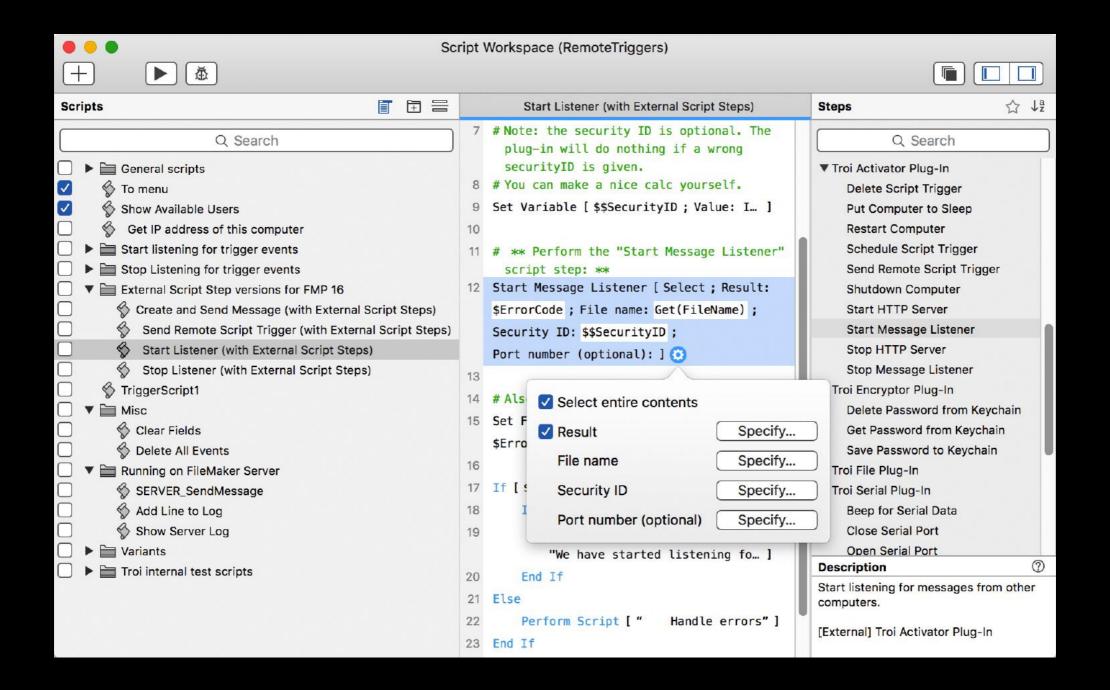
Functions







Scripting

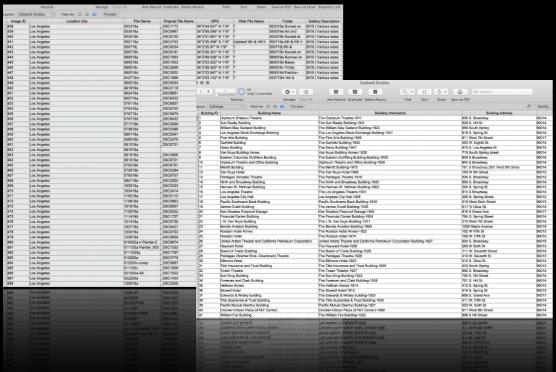




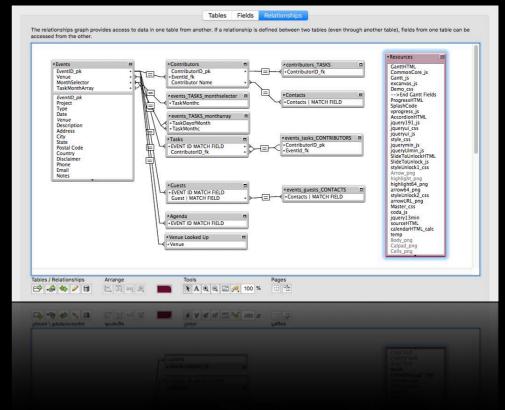


Workflow

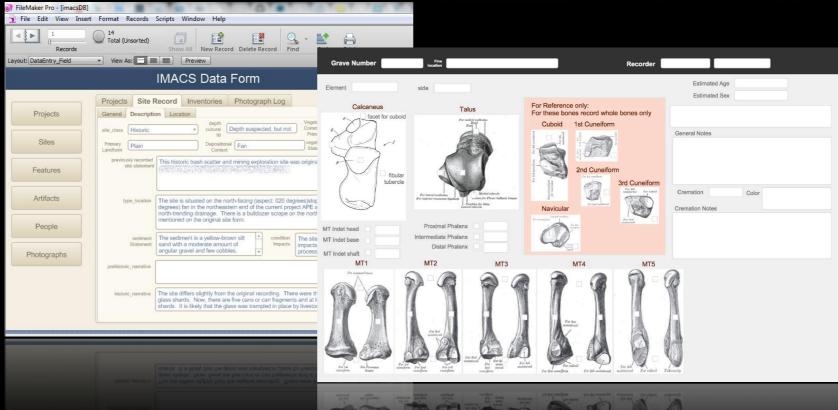
1. Tables



2. Relationships



3. Forms







FileMaker Resources

Claris FileMaker Home Page

Claris Community

ISO FileMaker Magazine – FileMaker Pro Video Tutorials

<u>FileMaker Beginner Tutorials Youtube Channel</u>

FileMaker Beginner Basics

FileMaker Relationships Explained

FileMaker Scripting Basics

FileMaker Calculation Basics





Questions?

Anthony Caldwell

UCLA Digital Research Consortium
Scholarly Innovation Labs
11630L Charles E. Young Research Library
sil@ucla.edu



