

Rewriting the OS X Address Book: no previous coding experience necessary

Simon Whitaker

Pimp My Address Book?

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My Pimp Address Book!

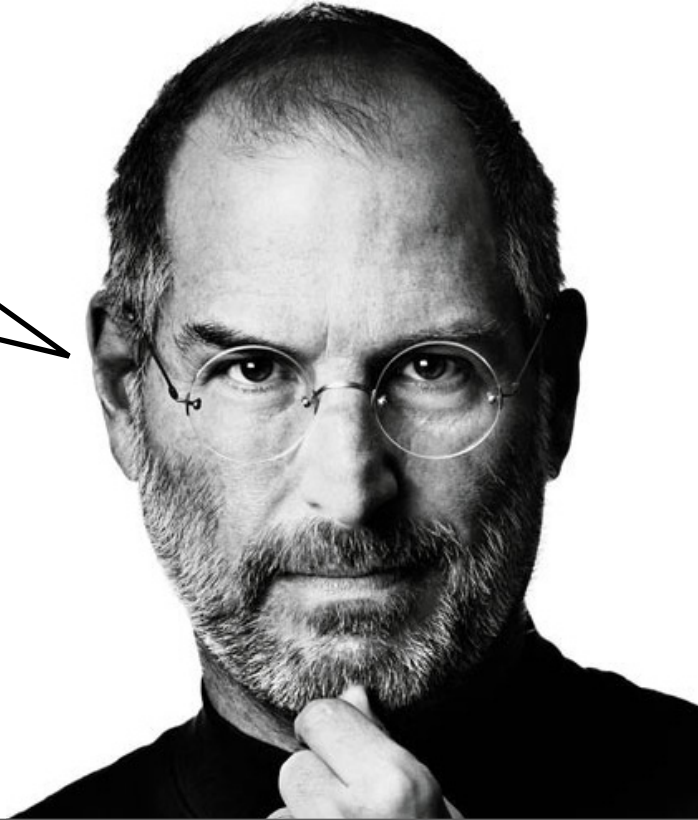
Simon Whitaker



Core Data?

A man wearing a purple velvet suit, a purple top hat with a black band, and sunglasses. He is standing with his hands in his pockets.

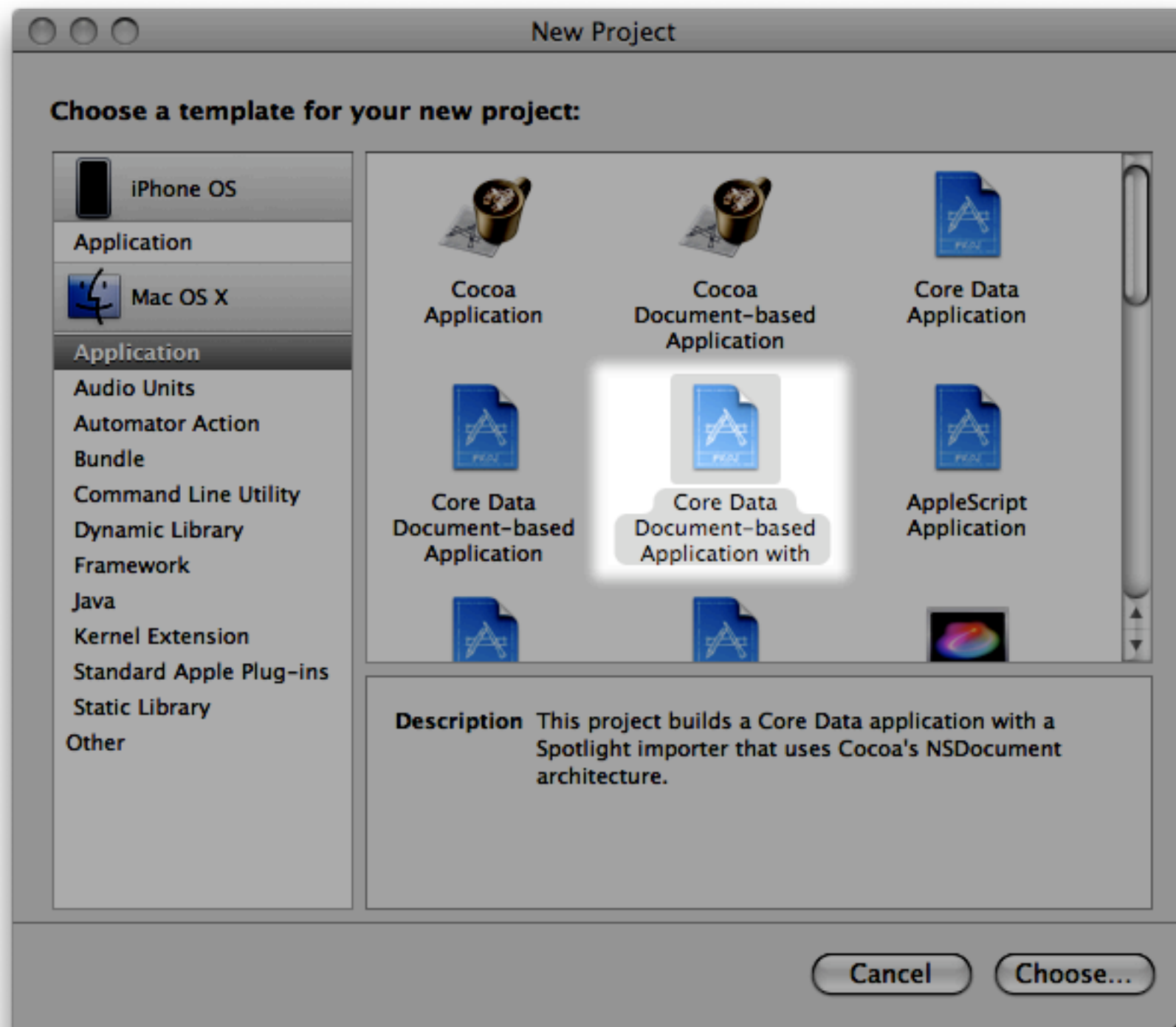
Wanna track my laydeez.
Whatcho got?

A black and white portrait of Steve Jobs, wearing his signature round glasses and a black turtleneck, with his hand on his chin in a thoughtful pose.

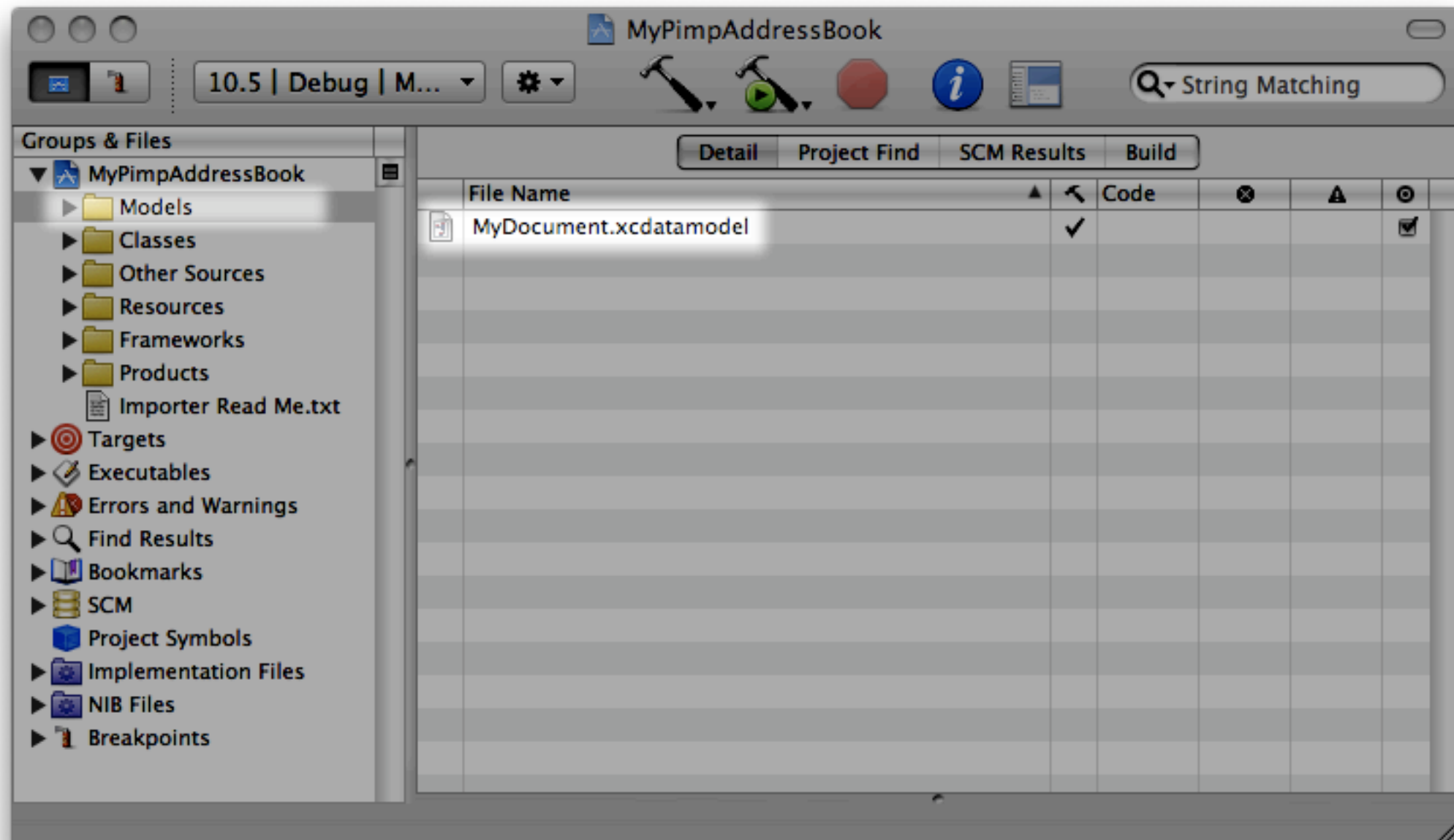
What about Core Data?
Define your model, views and
controller without writing a
line of code. Boom! There's
your app right there.

Fo shizzle!

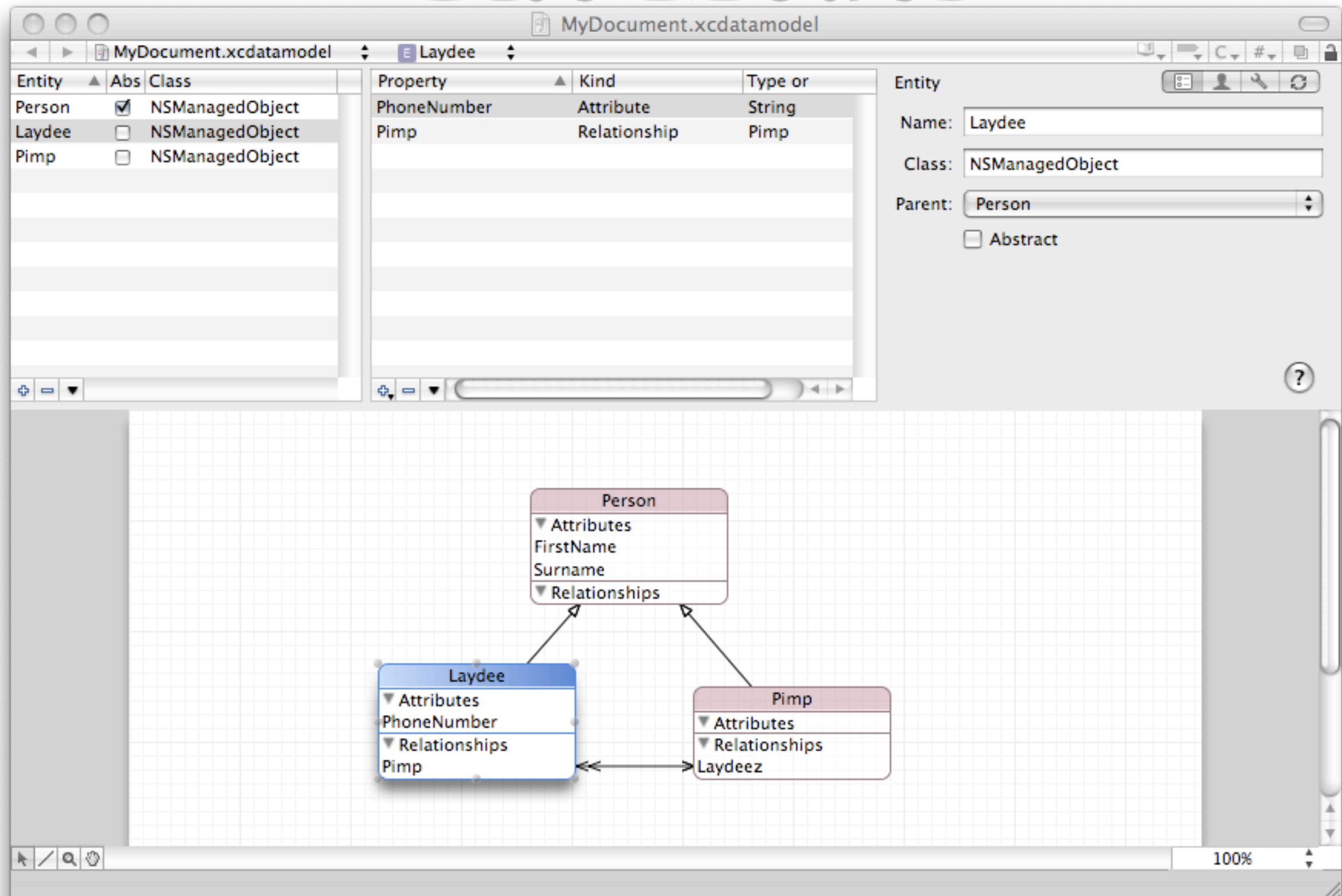
Getting Started



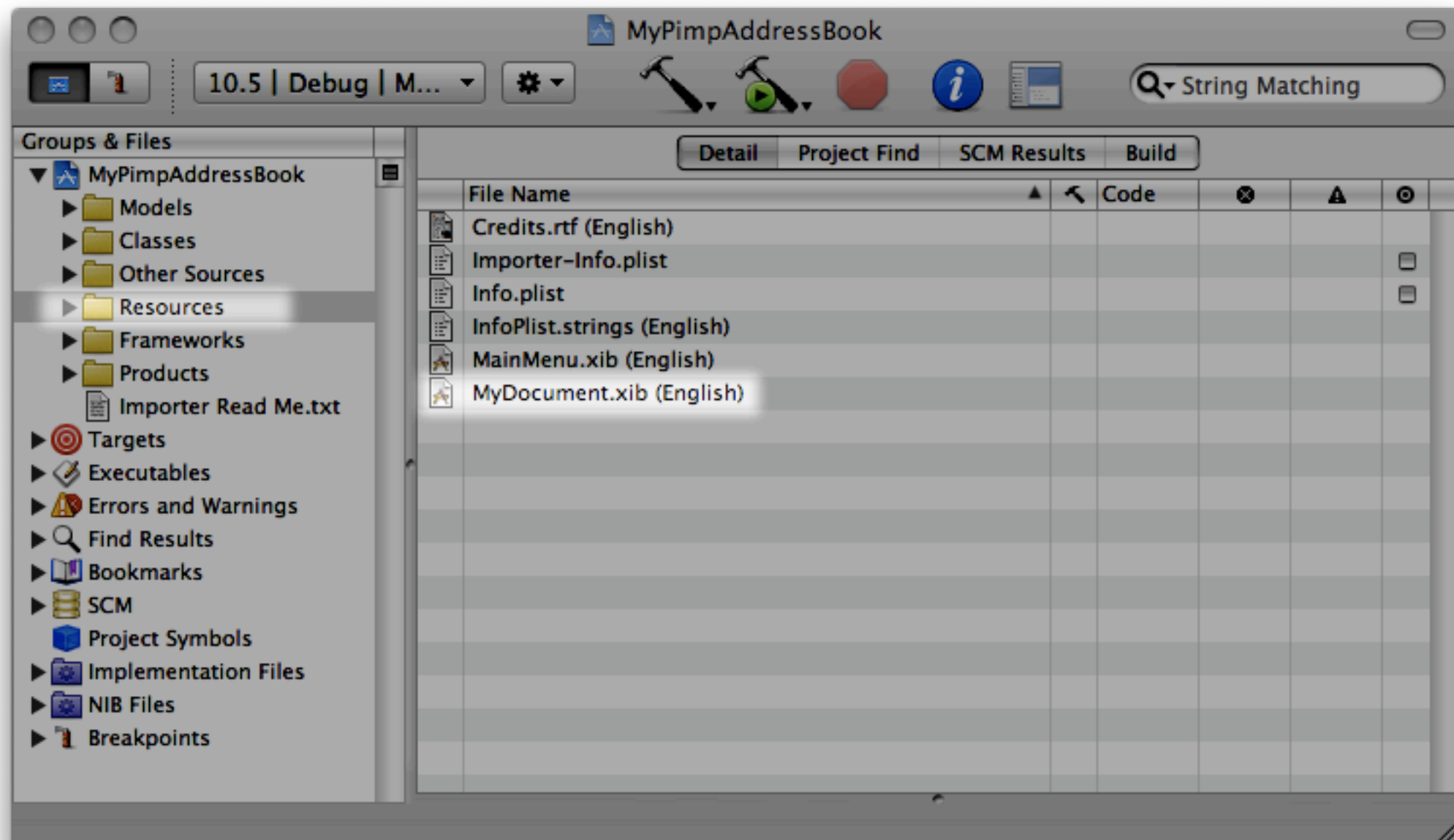
The Model

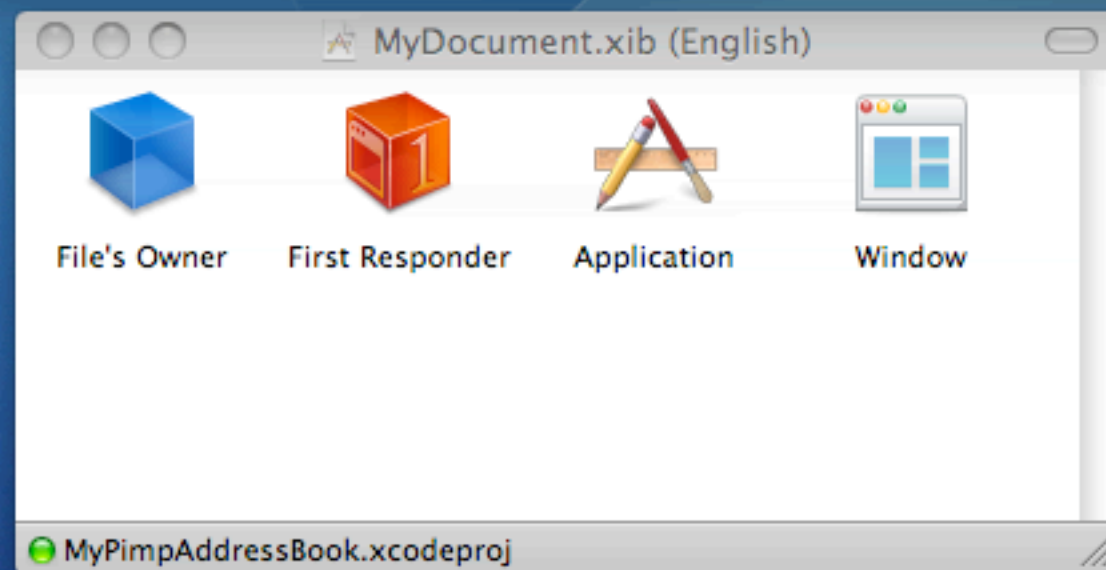
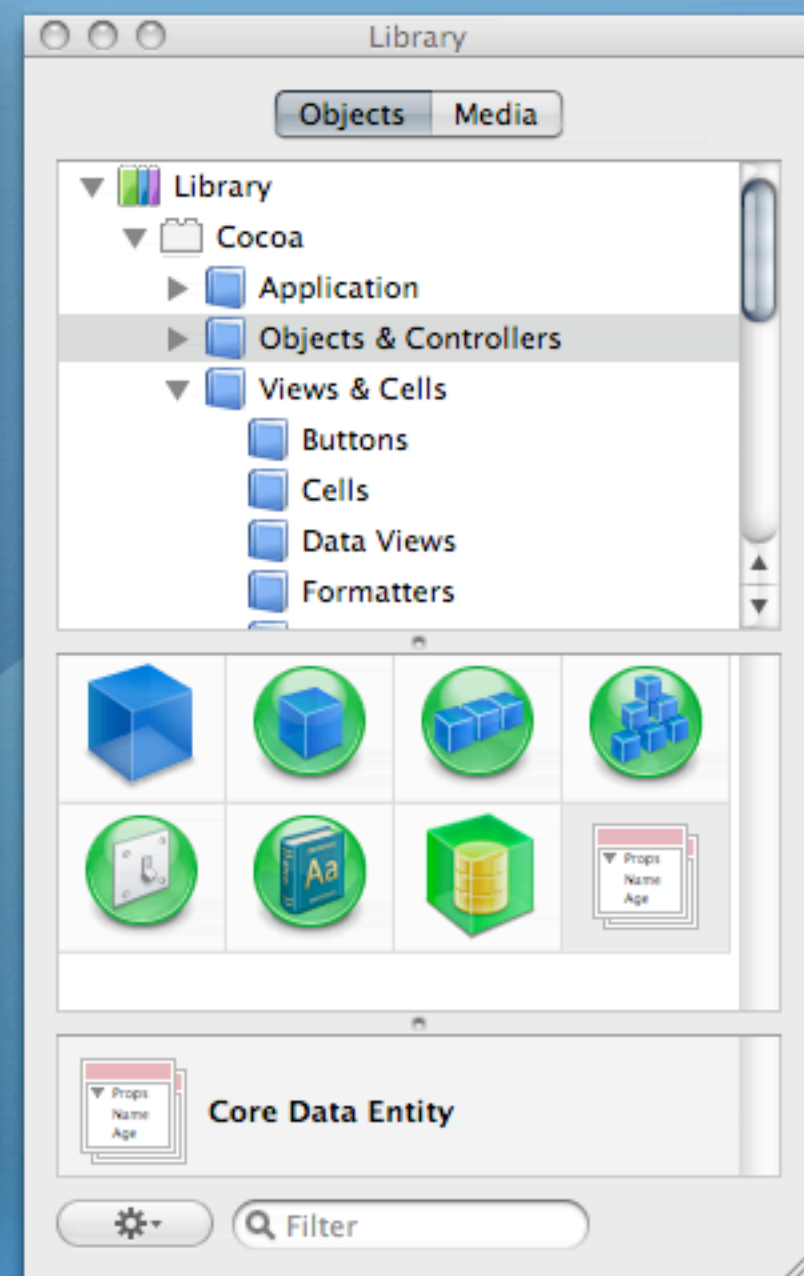
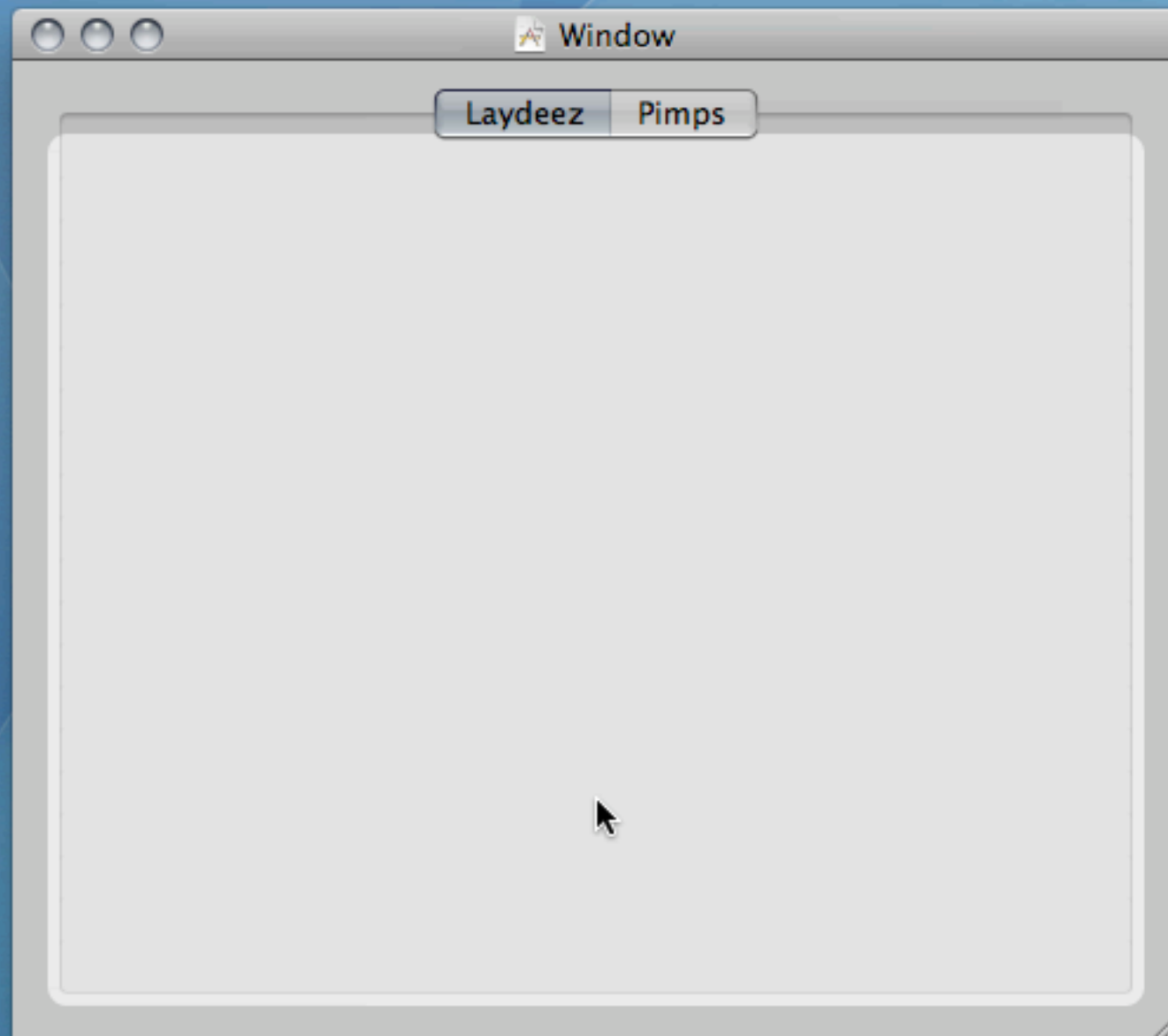


The Model



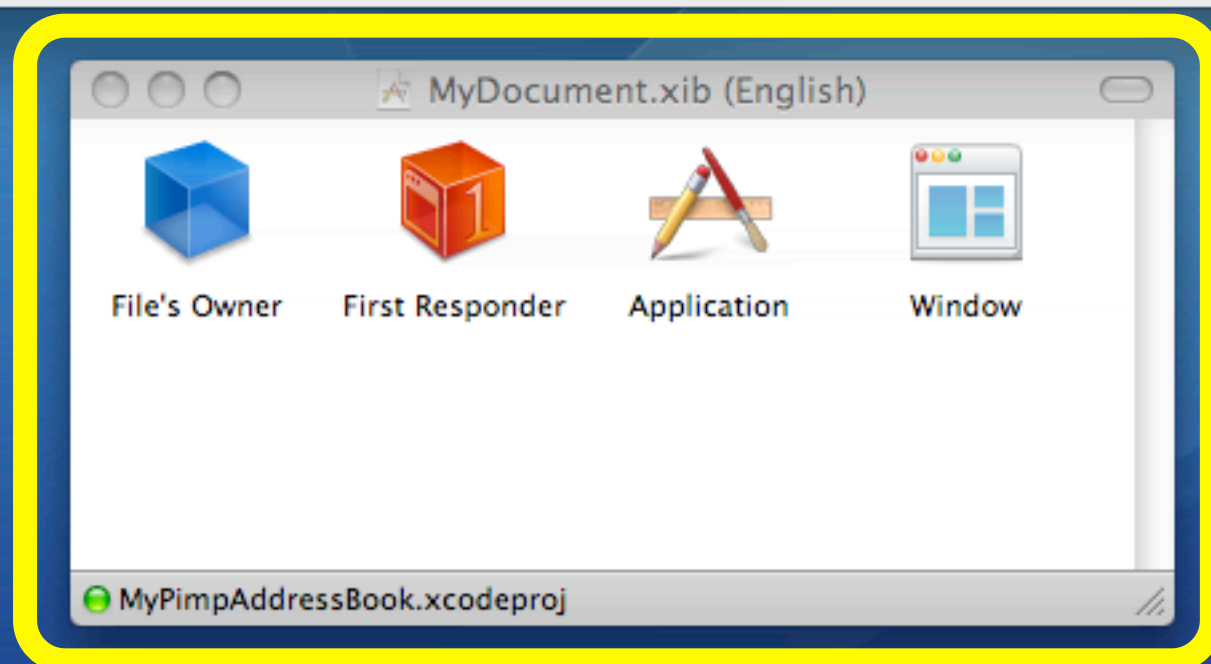
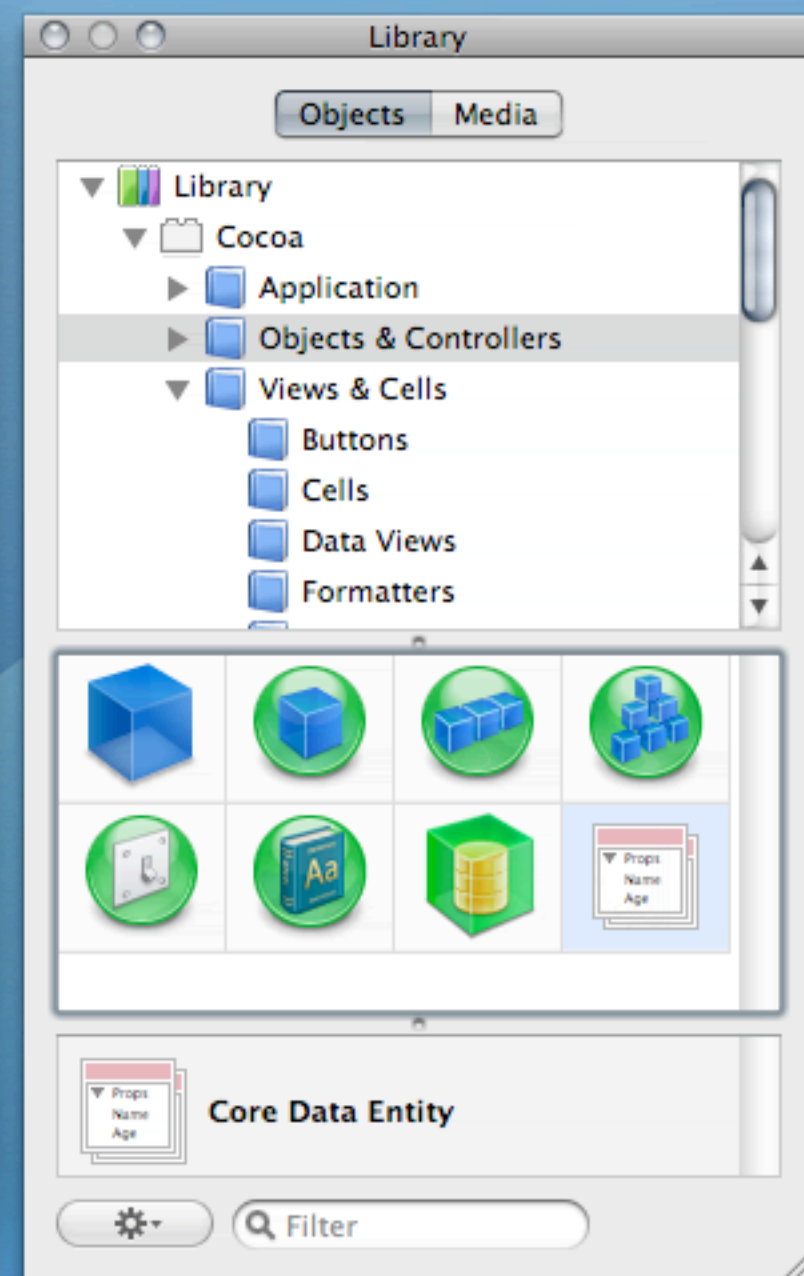
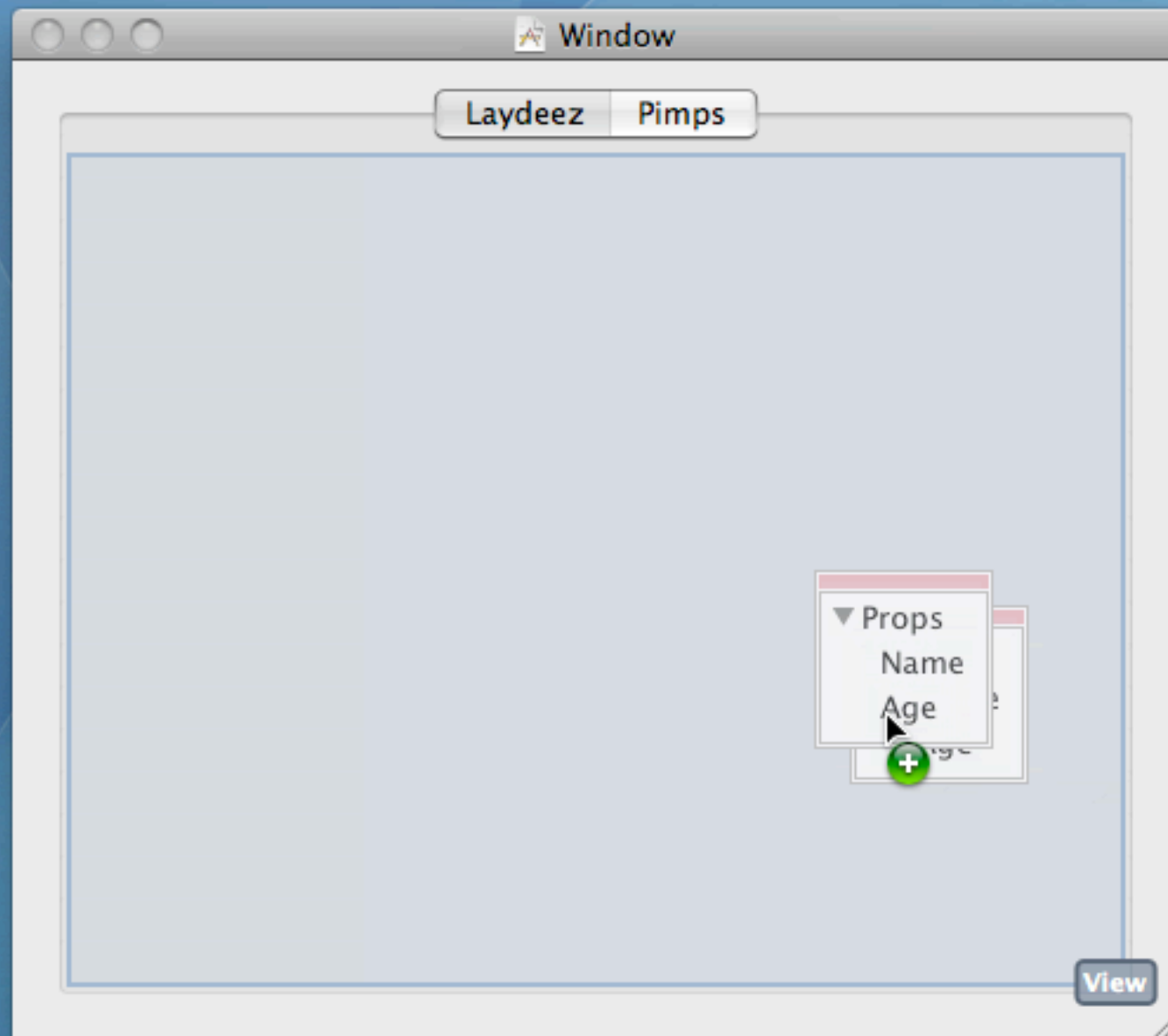
The View





The Controller





Core Data!



Colin's Pimp Book

Laydeez Pimps

Laydee

Q All

First Name	Surname	Phone Number	Pimp
Honey	Longlegs	01234 567890	Colin
Sugar	Goodtime	01234 565565	Colin

1 out of 2

Fetch Remove Add

First Name: Sugar

Surname: Goodtime

Phone Number: 01234 565565

Pimp: Colin

Shazam!

Core Data Formats

Colin's Address Book

00000000	43	6F	72	65	44	61	74	61	00	00	00	01	08	04	08	00	CoreData.....
00000010	00	00	00	00	00	00	04	3E	00	00	00	00	00	00	03	80>.....
00000020	00	00	00	00	00	00	00	40	00	00	00	00	00	00	03	FE@.....
00000030	00	00	00	00	00	00	00	03	00	00	00	00	00	00	00	00
00000040	62	70	6C	69	73	74	30	30	D4	01	02	03	04	05	06	09	bplist00.....
00000050	0A	58	24	76	65	72	73	69	6F	6E	54	24	74	6F	70	59	.X\$versionT\$topY
00000060	24	61															
00000070	74	73															
00000080	74	61															
00000090	63	68															
000000A0	26	20															
000000B0	64	65															
000000C0	6C	D3															
000000D0	4E	53															
000000E0	74	73															
000000F0	17	18															
00000100	1D	1E															
00000110	61	72															
00000120	65	64															

Terminal — sqlite3 — 104>

```
SQLite version 3.4.0
Enter ".help" for instructions
sqlite> .schema
CREATE TABLE ZPERSON ( Z_PK INTEGER PRIMARY KEY, Z_OPT INTEGER
  VARCHAR, ZSURNAME VARCHAR, ZPHONENUMBER VARCHAR );
CREATE TABLE Z_METADATA (Z_VERSION INTEGER PRIMARY KEY, Z_UUID
CREATE TABLE Z_PRIMARYKEY (Z_ENT INTEGER PRIMARY KEY, Z_NAME V
CREATE INDEX ZPERSON_ZFIRSTNAME_INDEX ON ZPERSON (ZFIRSTNAME);
CREATE INDEX ZPERSON_ZPIMP_INDI
CREATE INDEX ZPERSON_ZSURNAME
```

```
Terminal — sqlite3 — 104x16 — %1
SQLite version 3.4.0
Enter ".help" for instructions
sqlite> .schema
CREATE TABLE ZPERSON ( Z_PK INTEGER PRIMARY KEY, Z_OPT INTEGER, ZPIMP INTEGER, Z_ENT INTEGER, ZFIRSTNAME
  VARCHAR, ZSURNAME VARCHAR, ZPHONENUMBER VARCHAR );
CREATE TABLE Z_METADATA (Z_VERSION INTEGER PRIMARY KEY, Z_UUID VARCHAR(255), Z_PLIST BLOB);
CREATE TABLE Z_PRIMARYKEY (Z_ENT INTEGER PRIMARY KEY, Z_NAME VARCHAR, Z_SUPER INTEGER, Z_MAX INTEGER);
CREATE INDEX ZPERSON_ZFIRSTNAME_INDEX ON ZPERSON (ZFIRSTNAME);
CREATE INDEX ZPERSON_ZPIMP_INDEX ON ZPERSON (ZPIMP);
CREATE INDEX ZPERSON_ZSURNAME_INDEX ON ZPERSON (ZSURNAME);
CREATE INDEX ZPERSON_Z_ENT_INDEX ON ZPERSON (Z_ENT);
sqlite> select * from ZPERSON;
1|1|3|2|Honey|Longlegs|01234 565565
2|2|3|2|Sugar|Goodtime|01234 567890
3|1|3|Colin|McGillacuddy|
sqlite>
```

```
Colin's Address Book.xml
</metadata>
</databaseInfo>
<object type="LAYDEE" id="z102">
  <attribute name="phonenum" type="string">01234 565565</attribute>
  <attribute name="surname" type="string">Goodtime</attribute>
  <attribute name="firstname" type="string">Sugar</attribute>
  <relationship name="pimp" type="1/1" destination="PIMP"
    idrefs="z103"></relationship>
</object>
<object type="PIMP" id="z103">
  <attribute name="surname" type="string">McGillacuddy</attribute>
  <attribute name="firstname" type="string">Colin</attribute>
  <relationship name="laydeez" type="0/0" destination="LAYDEE" idrefs="z102
    z104"></relationship>
</object>
<object type="LAYDEE" id="z104">
  <attribute name="phonenum" type="string">01234 567890</attribute>
  <attribute name="surname" type="string">Longlegs</attribute>
</object>
Line: 1 Column: 1 XML Soft Tabs: 2
```