

**Paul Dougherty Application Profile (in progress) using PBcore standard**

-----Entity/Class: Camera Masters (Table) ----- Foreign Keys are in Red

<b>Element Name</b>	<u>_PK_CM_code</u> (abbrev. For Camera Master code)
<b>Data element</b>	instantiationIdentifier
<b>Definition</b>	unique code for every Camera Master (Primary Key)
<b>Expected values</b>	Unique string
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	Interviewee initials (of interviewee) followed by a number ...like JV01 The # would typically be 1 or 2 and = (as in) reel 1 & 2

<b>Element Name</b>	Interviewee code (I-code) from (abbrev <u>_FK_PERSON_initials</u> )
<b>Data element</b>	Local element
<b>Definition</b>	I-code is a CV* from the <i>Interviewee Table</i> which will contain their names etc
<b>Expected values</b>	Unique string (based on person's initials)
<b>Repeatability</b>	Not-Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	Initials used to make the code "human readable." plus underscore & # Connected in FileMaker to codes in Interviewee Table

<b>Element Name</b>	<u>_FK_location_CM</u> (Foreign Key)
<b>Data element</b>	local
<b>Definition</b>	code that will connect each CM to a location in the Location table
<b>Expected values</b>	unique string
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	*Location Code somewhat human readable in so far as locale (place name like "apt" or safety deposit box)

<b>Element Name</b>	Reel#
<b>Data element</b>	local
<b>Definition</b>	Series # w/in interview session (usually 1 to 3)
<b>Expected values</b>	text
<b>Repeatability</b>	Not-Repeatable
<b>Cardinality</b>	Not Mandatory
<b>Notes</b>	See end note re. Seth Kaufman.

<b>Element Name</b>	date
<b>Data element</b>	instantiationDate
<b>Definition</b>	date of interview
<b>Expected values</b>	W3C Complete date: YYYY-MM-DD (eg 1997-07-16)
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Not mandatory
<b>Notes</b>	Shoot date (recording) formatted 2007-06-02 (FM doesn't do "dash" periods used

<b>Element Name</b>	2nd_unit
<b>Data element</b>	Local element
<b>Definition</b>	This field is filled in "Yes" if there is a B camera "No" if not.
<b>Expected values</b>	Yes or No
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Not Mandatory
<b>Notes</b>	

<b>Element Name</b>	duration
<b>Data element</b>	<b>instantiationDuration</b>
<b>Definition</b>	Duration or running time
<b>Expected values</b>	integer
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Not Mandatory
<b>Notes</b>	Rounded out to nearest minute. This data type is Time in Filemaker

<b>Element Name</b>	release
<b>Data element</b>	<b>instantiationRights/rightsSummary</b>
<b>Definition</b>	What type of Interviewee “talent” release was used
<b>Expected values</b>	Text (local controlled vocabulary on type of personal release
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Not Mandatory
<b>Notes</b>	“The rightsSummary element is used as a general free-text element to identify (snip) property rights” local controlled vocabulary on type of personal release. My controlled vocab = old, primary and custom (when amended by Interviewee)

<b>Element Name</b>	Mic_to_trk
<b>Data element</b>	<b>instantiationEssenceTrack/essenceTrackAnnotation</b>
<b>Definition</b>	microphone to audio track assignment
<b>Expected values</b>	Text (local controlled vocabulary describing mic to track assignment
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	<b>Example</b> <essenceTrackAnnotation annotationType="Microphone assignment">ch1 Interviewee, ch2 Interviewer</essenceTrackAnnotation> controlled vocab = standard, switched & boom_lav

-----Entity/Class: Interviewee (Table) -----

<b>Element Name</b>	<u>_PK_PERSON_id_</u> initials Interviewee id code = initials (Primary Key)
<b>Data element</b>	Local element
<b>Definition</b>	Interviewee id code = person's initials to make it readable (see note)
<b>Expected values</b>	Unique string (See notes)
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	Going with initials as the basis of an Interviewee id code with the addition an underscore and a number to make it truly unique within this database.

<b>Element Name</b>	last_name
<b>Data element</b>	pbcoreContributor (see below qualification)
<b>Definition</b>	Interviewee's last name
<b>Expected values</b>	text
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	<i>Interviewee is (effectively) a record in the Interviewee Table, taken as a whole (record) it would be... pbcoreContributor/contributor = John Doe contributorRole = Interviewee (but this doesn't *exactly* apply to first or last name in isolation)</i>

<b>Element Name</b>	first_name
<b>Data element</b>	pbcoreContributor (see below qualification)
<b>Definition</b>	Interviewee's first name
<b>Expected values</b>	text
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	<i>Interviewee is (effectively) a record in the Interviewee Table, taken as a whole (record) it would be... pbcoreContributor/contributor = John Doe contributorRole = Interviewee (but this doesn't *exactly* apply to first or last name in isolation)</i>

**Protection Copies (Class / Table) - lists all of them, typically each mstr has several PC's**

<b>Element Name</b>	<u>__PK_PROT_code</u> (Primary Key)
<b>Data element</b>	instantiationIdentifier
<b>Definition</b>	Code for each Protection Master
<b>Expected values</b>	unique string - code for every Protection Copy (Primary Key)
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	The PC_code will be constructed by starting with the master tape code (from which Prot Copy is derived) and then adding PC1 (for prot. Copy #1) as in JV02_PC1

<b>Element Name</b>	<u>_FK_CM_number</u> (Foreign Key)
<b>Data element</b>	instantiationIdentifier
<b>Definition</b>	code will connect each PC to parent Camera Master(s) record (in CM table)
<b>Expected values</b>	Unique string - code for every Camera Master (created in CM table)
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	The CM_number is defined in the CM table (and is a Primary Key there) – in this <b>Protection Copy table</b> it is appears/used as a Foreign Key

<b>Element Name</b>	<u>_FK_location_PC</u> (Foreign Key)
<b>Data element</b>	Local element
<b>Definition</b>	code that will connect each PC to a location (code) in the Location table
<b>Expected values</b>	unique string
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	*Location Code somewhat human readable in so far as locale (place name like “apt” or safety deposit box) will be abbreviated as “a” or “s” and cabinet will be named “wood” or “white”

<b>Element Name</b>	prot_format
<b>Data element</b>	<a href="#">instantiationPhysical</a>
<b>Definition</b>	format of Protection Copy (PC)
<b>Expected values</b>	controlled vocabulary from Open Metadata Registry of PBcore vocabulary
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	<b>Vocabulary:</b> Show detail for PBCore instantiationPhysical For example <a href="http://metadataregistry.org/concept/list/page/3/vocabulary_id/145.html">http://metadataregistry.org/concept/list/page/3/vocabulary_id/145.html</a>

<b>Element Name</b>	dig_clone
<b>Data element</b>	Local Element
<b>Definition</b>	Yes or No - is the PC a Digital Clone of the Camera Master?
<b>Expected values</b>	Yes / No
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	See end note about clone

<b>Element Name</b>	match_TC
<b>Data element</b>	pbcoreAnnotation
<b>Definition</b>	Yes or No does the timecode on PC match the Camera Master?
<b>Expected values</b>	Yes / No
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Not Mandatory
<b>Notes</b>	To keep things granular & discreet this will be the only use of pbcoreAnnotation

**Location (Class / Table)** any given tape (CM or PC) can have only one location

<b>Element Name</b>	__PK_LOC_CODE (location code)
<b>Data element</b>	local
<b>Definition</b>	code for storage location – somewhat human readable (abbrev*)
<b>Expected values</b>	Unique string (See notes)
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	<p>*Location Code somewhat human readable see earlier LOC_CODE notes</p> <p>&lt;instantiationIdentifier&gt;123456&lt;/instantiationIdentifier&gt;</p> <p>&lt;instantiationLocation&gt;Shelf 46, Row 3&lt;/instantiationLocation&gt;</p> <p>I believe one could assign this element to instantiationIdentifier is akin to above example from PBcore but my understanding of PBcore is not nuanced enough. (see end notes). One difference is that my id is human readable (not a arbitrary #) and is derived from the location value.</p>

<b>Element Name</b>	locale
<b>Data element</b>	instantiationLocation
<b>Definition</b>	this would be a place name like “safety deposit box” or “apt”
<b>Expected values</b>	Text from local vocabulary
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	See above PBcore example shelf is akin to locale & cabinet is akin to row

<b>Element Name</b>	cabinet
<b>Data element</b>	instantiationLocation
<b>Definition</b>	this would be a storage unit (shelf or box) in (say) apt w/ name like “wood”.
<b>Expected values</b>	Text from local vocabulary
<b>Repeatability</b>	Not Repeatable
<b>Cardinality</b>	Mandatory
<b>Notes</b>	cabinet might be abbreviated (readable) within the code name. Cabinet name might be “white” or “wood.”

End notes for Application Profile (more notes at end of Physical Model doc)

To better mirror this Physical Model (diagram) - code fields will be listed twice... both where they originate (as Primary keys **\_\_PK** in their "native" table) and the 2nd time, where they appear in another table as Foreign Keys (**\_FK**).

I have provided the most detailed notes about elements (codes) in their native Table, where they are primary keys.

We discussed in e-mail that (following your advice) that I should not be too strict at first with making (entering) values required "leave it open until you see some use cases." I agree, yet some of these same fields do have value lists – but that info might not be handy at the time of the first pass at data entry (such as mic assignment, release forms, etc.)

I believe one could assign this element LOC\_CODE (location code) to instantiationIdentifier as it is akin to above XML example from PBcore but my understanding of PBcore is not nuanced enough and in my profile instantiationIdentifier will remain a tape id code only.

Regarding reel# I've decided to take cue from Seth Kaufman of Collective Access who deems the "reel 2 of 3" aka 2/3 to be a non-standard "legacy" assignation and keep it local. It is conceivable that it could be made to work with instantiationRelationType but this db is not treating the (many part) interview as a defined entity. Rebecca Fraimow had suggested this...

pbcoreRelationIdentifier: 102 (in my case JV02)  
pbcoreRelationType: is 2 of 3

To differentiate the Camera Master code from the new version of the Interviewee code that contains a # after the initials, I add an underscore after the initials in the Interviewee code.

I realize that the way digital clone\* applies to my collection is non-standard. I'll spare you the details but all my digital (tape) protection copies exactly mirror the audio-video data, but some don't have matching TC. Hence these are not standard digital clones.

pbcoreRelation/relationType was under consideration but was not a ideal fit  
Alternately relationType .. [Is Clone of](http://metadataregistry.org/concept/show/id/3085.html) <http://metadataregistry.org/concept/show/id/3085.html>

This explanation appears in my PPT slides... My (DVcam) DSR-80 does not offer a Firewire DV stream and instead offers SDI (Serial digital interface). Using this transfer (clone) method, full clones with matching TC require DVcam, not miniDV stock which was not in reach of this self-funded budget.

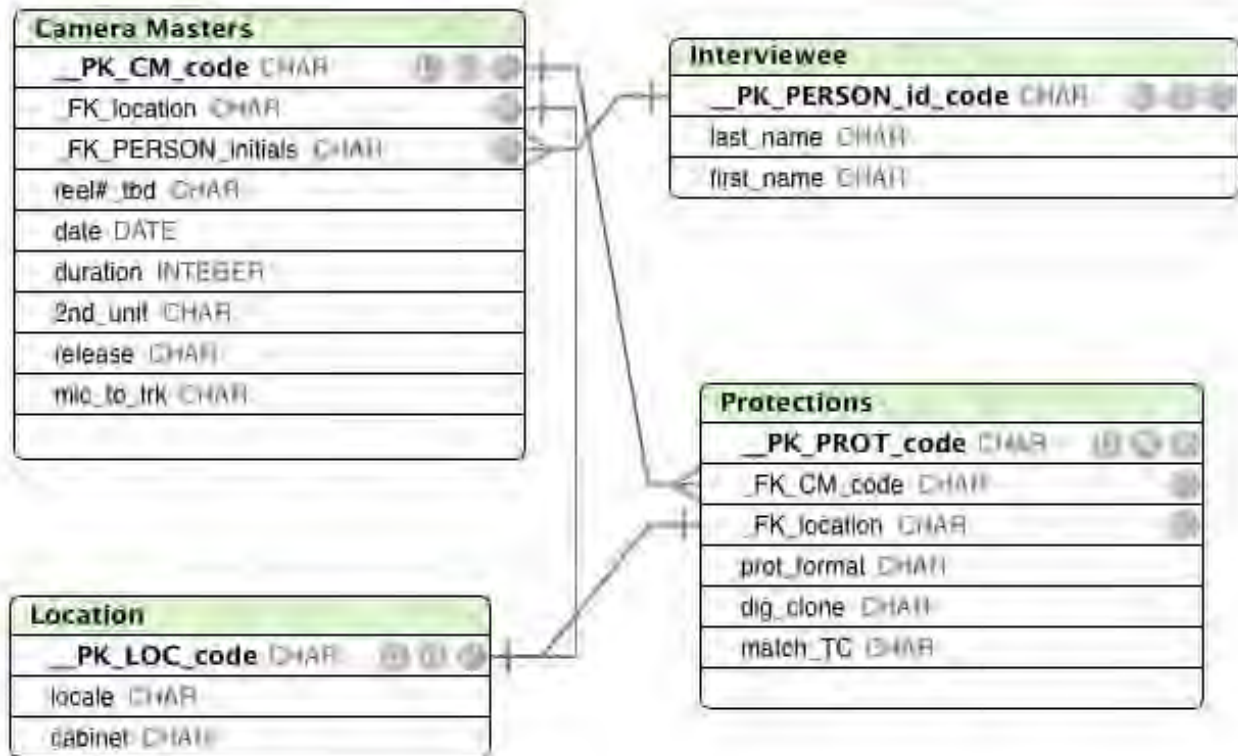




## Physical Model for Metadata project (CINE-GT 1803)

Paul Dougherty

"Punk Before Punk" documentary collection. Video interviews with over 40 people recorded between 2000-2003 for a documentary project about NYC "punk" origins.



There are 4 Classes or Tables

**Camera Masters** - to list raw interview recordings

**Interviewee** - to list information about each Interviewee

**Protection Copies** – listed (typically each mstr has several Protection Copies)

**Locations** – to list all places where tapes may be stored

CARDINALITY - as the Physical Model illustrates there is...

1 Camera Master to many Protection Copies

1 Interviewee can appear in many Camera Masters (and/or Protection Copies by extension )

1 Camera Master to one location

1 Protection Copy to one location

a Camera Master's (many) Protection Copies can be in many locations

*in list below PK = Primary Key & FK = Foreign Key*

**Camera Masters** (Class/Table) to list raw interview recordings (in graph called "originals")

\_\_PK\_CM\_code unique code for every Camera Master (Primary Key)

\_\_FK\_PERSON\_initials code based on initials of interviewee\* FK links to Intv.table

\_\_FK\_location code id's location (foreign) key connects to Location table

reel#	series w/in interview session (example 1 of 3 = 1/3)
date	date of interview (W3C date format)
duration	data type Time in FM (no time option in ERD software)
2nd_unit	yes/no (answers was there a “B” camera?)
release	What type of Interviewee “talent” release was used
Mic_to_trk	microphone to audio track assignment

**Interviewee** (Class/Table) - to list information about each Interviewee

__PK_PERSON_id_initials	Interviewee id initials (Primary Key)
last_name	
first_name	

**Protection Copies** (Class / Table) - lists all of them, typically each mstr has several PC's

__PK_PROT_code	unique code for every Protection Copy (Primary Key)
_FK_CM_number	code that will connect each PC to each Camera Master(s) (table)
_FK_LOCATION	code id's location (foreign) key connects to Location table
prot_format	format of Protection Copy (PC)
match_TC	yes/no (answers does the timecode on PC match mstr? )
dig_clone	is the PC a Digital Clone?

**Location** (Class / Table) any given tape (CM or PC) can have only one location

__PK_LOC_code	code for storage location – somewhat human readable (abbrev*)
locale	this would be a place name like “safety deposit box” or apt
cabinet	this would be a storage unit (shelf) in apt w/ name like “wood”

## Notes

\*Location Code somewhat human readable in so far as locale (place name like “apt” or storage unit) will be abbreviated as “a” or “s” and cabinet will be named “wood” or “white”

## Controlled Vocabularies

Value Lists provide predefined values that can be used for data entry, data validation or custom sorting. You can format values as checkboxes, popup lists and so on.

8 items View by: custom order

Value List Name	Source	Values
CM code	From Field	Field: "Camera Masters::_PK_CM_code"
Locations controlled	From Field	Field: "Location::_PK_LOC_CODE"
Init_name controlled	From Field	Field: "Interviewee::_PK_PERSON_id_initials"
format PC list	Custom Values	"MiniDV", "DVCAM", "Betacam SP", "Qt", "DV_file"
boolean	Custom Values	"yes", "no"
release	Custom Values	"old", "primary", "custom"
audio_mics	Custom Values	"standard", "switched", "boom_lav"
locale	Custom Values	"s_box", "apt", "storage"

In the above screen grab, where Source = “From Field” these controlled vocabularies that are derived from Tables - in FM This involves setting the option for the field "Always Validate by Value List" then checkbox "Member of Value List" that can come from a field in another table. Here's it's codes that id Interviewee and id (storage) location.

Where above screen grab says Source “Custom Values” these were input by hand and are local vocabularies explained in the Application Profile. In this FM database they appear as drop-down menus and are set to Always Validate to prevent data entry errors.

All my data types are text except for date and duration (time). (In my ERD program, time is not an option so it's integer there. In Filemaker it is set to time)

No fields are repeatable.

*notes below repeated from 1<sup>st</sup> draft submitted*

*All my camera masters are mini-DVs which is why format does not appear in that table and only in the Protection Copy table.*

*Following a FileMaker tutorial I saw, all the Key fields start with underscores.*

*\*Should there ever be a duplicate set of Interviewee initials, numbers are added, I still wanted this "code" to be human readable.*

