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Introduction

Intention

When I searched for a film data base which should answer my personal needs I encountered php4flicks from David Fuchs. This program could match my conceptions of a film data base best.

Since the layout and the functionality (paged out in windows) did not please me at all - I thought it could be a good thing to replace the windows by requesters.

I planned to write an AJAX program that behaves and also looks like a Mac OS-X application. Of course multilingual, with scalable GUI and user specific configuration possibilities.

FilmDB was not programmed to be particularly Windump-IE friendly. This should nobody surprise in accordance with the above paragraph. I am not a fan of the products of “MidgetSquashy” and therefore won't supply any special support. But after a lot of inquiries I made then the most important adjustments for IE 5.5 and 6.

I paid attention with programming especially to get a high compatibility with the Gecko and the KHTML/WebKit engine. That Opera (versions before 9) thereby would fail was no intention but however could not be avoided. (More to this topic at Problems)

Color patterns

- **Dark Green**
  This color always defines an information area.

- **Light Green**
  This color always defines an editing area.

- **Pink**
  This color always defines an area of increased attention and movies as unmarked and lent!

- **Blue**
  This color always defines a function area.

- **Rot**
  This color always defines movies as marked and lent!

- **Grün**
  This color always defines movies as marked and available!

Function patterns

- **Film-Poster**
  A click on a poster will always open the IMDb page of the selected film (in a new browser window). [EXCEPTION: EDIT mode]

- **Tooltips**
  Tooltips
  Each object that provides a tooltip and/or change to BLUE on mouse over hides itself a function.
Conditions

Browser Conditions

XMLHttpRequest-Object Browser support is a basic condition.

Javascript 1.5 Browser support is a basic condition.

CSS 2.1 Browser support is a basic condition.

IFrame z-index support is a basic condition.

HTML 4.x Browser support is a basic condition.
800 x 600 Pixel Window is the minimum size!

...these Browser fulfills all/most conditions by its Gecko
...or KHTML/WebKit/Opera based Rendering Engines!

Server Conditions

PHP 4.3.x Server support is a basic condition.
magic quotes must be set Off (even gpc).

MySQL 4.x Server support is a basic condition.
Installation

The Installation is splitted into two parts:

After unzipping the archive "install_AJAX-FilmDB_1.2.X.zip" you'll see this folderlisting...

Before you start to install:

Read the PDF and the README file carefully!

First the copying to the web directory...

Copy the files "filmdb_1.2.X.zip" and "install.php" to a web accessible directory and point your browser to install.php!

...followed by the automated installation...

Originally these script is part of the "Txt-Db-API" package, but it was made available by the author Mario Sansone - very friendly!
Welcome to the installation of FilmDB

This little setup will guide you quickly with few steps through the installation process, so that you can work with FilmDB immediately. Here again the main features of FilmDB:

- Comfortable film database with automatic determination of all relevant film information (incl. Poster, Actors, Director etc.).
- Appearance is oriented at Mac OS-X and owing to AJAX (Asynchronous Javascript and XML) also the handling.
- All program configurations can be settled very comfortably online. You don’t need to leave the browser.
- All browsers with Gecko or KHTML/Webkit Rendering engine are supported (e.g. SeaMonkey/Mozilla/Firefox/Netscape/Safari/Konqueror etc.).

AJAX-FilmDB Installation
Version 1.0.0

Please specify the path.

The absolute path to the root directory of your webserver was detected and was already printed out in front of the input field.

If you don’t know, what to enter here, then please use the pre-defined value.

Directory, where the files of FilmDB will be copied to:

/Library/WebServer/Documents/ filmdb

If you have no write access...
AJAX-FilmDB Installation
Version 1.0.0

The entered path was verified.

Result:

Directory, where the files of FilmDB will be copied to:

⚠️ /Library/WebServer/Documents/filmdb

No write access in the following directory:
/Library/WebServer/Documents

...else we will go on!
AJAX-FilmDB Installation
Version 1.0.0

Please select the component which shall be installed additionally.

☑ Documentation  (*FilmDB Online-Help and PDF: 5.0 MB*)

AJAX-FilmDB Installation
Version 1.0.0

Now you must enter the access data of the *MySQL 4.x* server used by *FilmDB*.
Please enter the hostname, username, password and a database name.

- **Database server:** localhost
- **Username:** name
- **Password:** pass
- **Database name:** filmdb
At last delete the file "install.php" from web directory and point your browser to where you installed AJAX-FilmDB. Installation is finished now.

For security reasons login as "admin" with password "admin" and change the password via config requester!

Have fun...

P.S. If the preparation of the MySQL database fails for any reason during the installation, this can be accomplished also manually (e.g. per phpMyAdmin)!
Create the MySQL-Database (e.g. per phpMySQL).

Create new database [Documentation]
filmdb Create

Show MySQL runtime information
Show MySQL system variables [Documentation]
Show processes [Documentation]
Reload MySQL [Documentation]
Privileges
Databases
Export

Generate the MySQL-Tables thru importing the file "install/db_defs.sql" (e.g. per phpMySQL).

Database filmdb running on localhost

Run SQL query/queries on database filmdb [Documentation]

Show this query here again

Location of the textfile:
install/db_defs.sql search... Max: 2.04

Compression:  "Autodetect"  "None"  "gzipped"  Go
Handling
Views

Different Data Views

If you click in the upper operating area on one of the four view graphics you will get the following data views:

**List-View**

This view shows a middle information density in order to accommodate as much as possible films per page.

If you are logged in as a user you can (by click on this button)...

...edit the selected film.

If you are logged in as a user you can (by click on one of this two buttons)

- available
- Loaned to XXXX at 01-Jan-2005

...edit the film status.

This Requester serves to adapt the film status to the current situation!

If you drive with the mouse over the miniature poster at the right edge of the page a Tooltip with the poster in original dimension appears!

A click on a miniature poster will open the IMDb page of the selected film (in a new browser window).

The Tooltips appears only if "Without Posters in the List-View!" is set to OFF in the configuration.

Otherwise instead of the miniature poster only simple reference graphics are indicated...

Show the IMDb-Page of this Film!
**Poster-View**

This view shows the film posters and local titles only.

If you are logged in as a user you can (by click on this button)...

![Edit this Film!](image)

...edit the selected film.

---

**Row-View**

This view shows only a few films per page in order to accommodate all relevant information.

If you are logged in as a user you can (by click on this button)...

![Edit](image)

...edit the selected film.

---

**Film-View**

This view shows only one film per page in order to accommodate all stored information.

If you are logged in as a user you can (by click on this button)...

![Edit](image)

...edit the selected film.

---

**Incompatible Browsers**

This View is meant for incompatible or old Browsers only (JavaScript must be activated). Thus at least the most important information can be still sighted.

You can reach this View by the URL...

http://localhost/filmdb/list.php

...replace localhost by your personal Domain!
## PDA and Mobile Phone

This **View** is meant for HTML-ABLE mobile telephones and PDAs only. Thus at least the most important information can be still sighted *(sorted according to date).*

You can reach this **View** by the **URL**...

- ![Image of Opera Mini](image.png)

http://localhost/filmdb/mobile/

...replace **localhost** by your personal Domain!

## RSS Feed

This **View** is for **RSS** readers only. Shows the 10 newest Movies in the Film DataBase.

You can reach this **View** by the **URL**...

- ![Image of RSS Feed](image.png)

- ![Image of Film Database](image.png)

http://localhost/filmdb/rss/

...replace **localhost** by your personal domain and **http:** could also be **feed:**!
Infos

Special Informations
If you click in the upper operating area on one of the two graphics you will get the following informations:

AJAX-Implementation and basic Conditions

FILMDataBase Copyright-Informations
Display

Different Displays

In the upper operating area there is a thin display viewing different program modes:

- **Version 1.0.0 • 01-Mär-2006** You are not logged in!
  You may view and print all film-views and store your own user specific configuration.

- **Benutzerkennung: youcan** You are logged in as a user!
  You may add, edit and delete films and edit the list of borrowers additionally.

- **logged User: admin** You are logged in as the administrator!
  You may edit the basic configuration and edit the list of users additionally.

- **User Mode: HELP** You are HERE!

- **User Mode: ADD** You are logged in!

- **User Mode: EDIT** You are logged in!
Buttons

Different Buttons

If you click in the upper operating area on one of the right lying buttons, you get access to following functions:

Add new Film*  
Enter the original title of the film you would like to add to the database and click on Search!

If you don't know the original title you can determine these simply by the following input into a search engine:

film "XXXXXX" original title

Whereby XXXXX is the already known title.

*Logged users only.

If this Requester appears the search procedure on IMDb (Internet Movie Database) is final.

The found films are sorted according to priority. Thus the top film is also usually the correct one.

If you click on one of the IMDb images - visible on the right side of each line - you could (e.g. for control purposes) open the IMDb page of the named film (in a new browser window).

Select a film by clicking!

Import new Film*  
Select the XML file of the film, which you would like to add to the data base and click on Import!

*Logged users only.
If this Requester appears, the import procedure is verified.

If the determined film is already present in the database, a **RED** text indicates that to you.

If you click on the **IMDb** number you could (e.g. for control purposes) open the **IMDb** page of the named film *(in a new browser window)*.

Click on **Import** to finalize the procedure!

---

**Attention!**

Are you really sure that you want to ... import this Movie as XML?

**Star Wreck: In the Pirkinning**

*Star Wreck: In the Pirkinning*

The uploaded movie is already contained in the database. **IMDb:** 04723556

---

**Generate Printerpage:**

A page in its own window is produced, which reflects the current listing of the films which should be printed out.

**HINT:** Since the current Browser supports nearly none of the possibilities from CSS 2.0 for print preparation, you should experiment with the print preview until the result pleases you!

---

**Print Database**

Select the view of the data *(whether film-, row-, poster or list view)* and click on the **Print** button to generate a new browser window *(for printing)*!

---

The **Print** corresponds as far as useful to the contents of the IFrame.

The difference consists on the fact that the selection made by you *(e.g. only films beginning with an "A" or only films containing the word "love" in the title)* is shown completely in a single browser page.

Select the menu item "**Print...**" in the pulldown menu of your browser to print the page!
Database Statistics

This Requester informs about the most important statistic informations of the data base!

Particularly the indication concerning the memory extent of the data base is important for all those which got a volume delimitation of the MySQL data base by their Provider.

Preferences

This Requester serves to adapt the program to the personal needs of each individual visitor!

*Unlogged users branches out to this requester.*

To store individual program configurations your browsers config has to be set at least to...

"accept Cookies" and "only from the original Website"

*Guests may view and print all film-views and store their own browser specific configuration.*
You arrive at the above requester if you click the Program button or click the entry "Edit Program Configuration" as an Admin.

Logged Users branches out to this requester.

Logged users may work additionally on the list of borrower and could add, edit and delete films as well.

You arrive this way if you've clicked the Borrower button or as an Admin the entry "Edit List of Borrower" in the preferences requester.

Logged users can add/edit the List of Borrower but they are unable to delete entries!
*The Administrator branches out to this requester.

More to this topic at Handling/Admin

*Admins may work additionally on the basic adjustment and the list of users.

You arrive this way if you've clicked the entry "Edit List of Users" in the preferences requester.

Only the logged in administrator can edit the List of Users!
You arrive this way if you've clicked the entry "Edit Basic Configuration" in the preferences requester.

Only the logged in administrator can edit the basic adjustment of the program!

Each Browser which does not accept Cookies falls back to this basic adjustment.

If the item...

"The posters will be stored in the data base as binary data!"

...is off, from now on all film posters will be saved as files (Pattern: [0-9]{*}.pic) in the directory "poster/" and not as blobs in the data base.

FilmDB will search in both sources for posters, therefore mixed processing is possible. Blobs and files have both their pro and cons. Whose account supports only little MySQL space will change over to files, even if thereby the Backup's are incomplete via phpMyAdmin (without posters).

Login
To announce as a user or administrator enter your user name and your password and click on OK!

The password delivery does not take place in plain text it is always coded with...

MD5 (Message-Digest Algorithm)

The lock symbol changes from color GREEN to RED.

Logout
You are now logged out!

The lock symbol changes from color RED again to GREEN.
The Online-Help describes the most important parameters. Actually a more powerful documentation should be unnecessary due to the self-describing user interface (Tooltips).
Sort

Different Assortments

The upper left operating area in the IFrame makes the following possibilities available:

The current Assortment has always a BLUE background.

?  Sorts the column exclusively descending according to the availability of the films.

!  Sorts the column exclusively ascending according to the IMDb rating (0-100).

ID  Sorts the column ascending and descending according to the identification of the films.

Title (local) (original) ▼  Sorts the column ascending and descending both according to the local title and according to the original title of the films.

Director  This column cannot be sorted!

Country  This column cannot be sorted!

Year  Sorts the column ascending and descending according to the year of production of the films.

Duration  Sorts the column ascending and descending according to the duration of the films.

Medium  Sorts the column ascending and descending according to the kind of medium of the films.

Date  Sorts the column ascending and descending according to the date of entry of the films.

Poster/*  Sorts the column exclusively descending according to the availability of the posters.
Navigate

Navigation and Viewpanel

The lower operating area in the IFrame makes the following possibilities available:

1-8 of 8

1 Jumps to the beginning of the available films.

2 Jumps backward by the number of visible films per page (which was saved in the program config of the visitor/user).

3 Jumps forward by the number of visible films per page (which was saved in the program config of the visitor/user).

4 Jumps to the end of the available films.

1-8 of 8

Numeric announcement of the current listing of the films!

n-n indicates the selection of the currently visible films, and of n the absolute number of films. The number of films visible per page can be saved in the program config individually by each visitor.
Search

Search Database

The lower centered operating area in the IFrame makes the following possibilities available:

The current Search has a BLUE background.

in this Categories...
Here you can switch on and off the categories individually in order to affect the selection of the films.

...for
Select (via popup requester) the criterion in which is to be searched. The picture at the right side of the page shows all search criteria at the same time.

with
Enter the character strings or the numbers which should be searched for (in the given criterion).

Enter a 1 for true/yes and a 0 for false/no to the criterion "Availability"!

Click on this button to start the search procedure!
Select

Fixed Selections

The upper right operating area in the IFrame makes the following possibilities available:

- General listing of all films in the data base!
  All entries/modifications made in the search requester will be reset to the pre-setting.

- Listing of all films which do not begin with a letter!
  All entries/modifications made in the search requester will be reset to the pre-setting.

- Listing of all films which do begin with the selected letter!
  All entries/modifications made in the search requester will be reset to the pre-setting.
Add/Edit Films

If you are logged in as a user you can edit the selected film by one click on these Edit this Film! or this Edit button.

The treatment of a film is divided into 9 blocks of themes.

The representation wraps (similar to the Poster View) automatically so the available space is always used optimally.

The first block of themes is the only one which you should fill out conscientiously. All other data were determined already automatically (exception: local title).

Select a medium and the program will reserve all settings independently with meaningful values. Without a selected language the film cannot be stored in the data base!

See the spectrum of popup requesters with all available setting values!

In the second block of themes the local title must be filled manually since this information cannot yet be determined automatically.

According to standard the local title is filled with a copy of the original title. Without a local title the film cannot be stored in the data base!

If you don’t know the local title you can determine these simply by the following input into a search engine:

film "XXXXXX" english title

Whereby XXXXX is the already known title.
In the second block of themes the film can be lent directly. The date is set to the current day. You have to set the borrower manually.

According to standard the date is set in reverse order. First the year, then the month and at the end the day. Separator is the minus sign.

A logged user can work on and around the list of the borrowers at any time.

This requester appears if you click on the following Button in the Posterarea.

Hereby you can assign another poster to the film.

This requester appears if you click on the following Button in the Posterarea.

Hereby you can assign another poster to the film.

This requester appears if you click on the following Button in the Posterarea.

Hereby you can assign a dummy poster to the film. The original poster will be deleted (blob and/or file)!
This requester appears if you change the name of a person and several persons with this name exist or if no suitable entry were found.

The found persons are sorted according to relevance.

If you click on one of the IMDb images - visible on the right side of each line - you could (e.g. for control purposes) open the IMDb page of the named person (in a new browser window).

Select a person by clicking!

You arrive this way if you've clicked the Export button in the 'User Mode: EDIT'.

Select if a DTD is to be provided with the export. If yes, which!

Should the DTD to be included into each XML file (internally), or should the DTD only be referred by one additional line (externally)?

Without DTD the document is probably well formed (is enough for the in/export in FilmDB), but not valid.

DTD = Document Type Description

You arrive this way if you've clicked the Rescan button
You arrive this way if you’ve clicked the Delete button in the 'User Mode: EDIT'.

⚠️ Attention!

Are you really sure that you want to... delete this Movie?

**Star Wreck: In the Pirkinning**

*Star Wreck: In the Pirkinning*
Administration

If you are announced as administrator - you get extensive possibilities to determine server procedures.

**Preferences**

*The logged administrator links to this Requester after a click on the button above.*

The first four list items are discussed at Handling/Buttons!

Whether and which of the following procedures are indicated, depends strongly on your Provider.

"save_mode=off" is a general basic condition.

"ZLib Support=enabled" is a basic condition for Backup and Restore.

*The administrator has additional extensive possibilities. The possibilities can be defined in "config/config.php"*

---

Copy all Posters from DataBase to Server!

During this procedure you always see the action indicator independently of what you have selected at "Edit basic Configuration" "Use the Progress Indicator"!

If necessary, all actions of this operation are written into the log file.
Copy all Posters from Server to DataBase!

During this procedure you always see the action indicator independently of what you have selected at "Edit basic Configuration" "Use the Progress Indicator"!

If necessary, all actions of this operation are written into the log file.

Extract all Posters from DataBase and save to Server!

Whether you get to see a progress indicator or an action indicator during this procedure depends on what you have selected at "Edit basic Configuration" "Use the Progress Indicator"!

If necessary, all actions of this operation are written into the log file.

Extract all Posters from Server and save to DataBase!

Whether you get to see a progress indicator or an action indicator during this procedure depends on what you have selected at "Edit basic Configuration" "Use the Progress Indicator"!

If necessary, all actions of this operation are written into the log file.
Clear all Posters in the DataBase!

Whether you get to see a progress indicator or an action indicator during this procedure depends on what you have selected at "Edit basic Configuration" "Use the Progress Indicator"!

If necessary, all actions of this operation are written into the log file.

Delete all Posters on the Server!

Whether you get to see a progress indicator or an action indicator during this procedure depends on what you have selected at "Edit basic Configuration" "Use the Progress Indicator"!

If necessary, all actions of this operation are written into the log file.

Backup the whole DataBase as SQL to zip!

If you click on the button Start the requester is closed and a regular Download begins.

The attitude of the maximum size of an uploadable file (upload_max_filesize) is only then of fundamental importance if this archives are again to be uploaded for restoring.

---

Attention!

Are you really sure that you want to ...download this ZIP Archive?

filmdb_dbase_061001-195502.zip

Prospective file size: 2.63 MB
upload_max_files: 8 MB (8388608 Bytes)
Backup Poster files from Server to zip!

If you click on the button `Start` the requester is closed and a regular Download begins.

The attitude of the maximum size of an uploadable file (upload_max_filesize) is only then of fundamental importance if this archives are again to be uploaded for restoring.

The posters to download were distributed on several ZIP archives, because your account permits only a limited upload file size!

Click on the list entries to download the archives. Wait in each case until archives were completely downloaded, before you click on the next list entry.

If you processed all list entries click on the `OK` button to close the requester.

Load data base backup!

If you click on the `Upload` button the requester will show an action indicator while archives are uploaded.
After the ZIP-Archive were uploaded - this requester appears.

If you click on the Restore button, the following requester appears.

---

**Attention!**

Are you really sure that you want to restore the database through this backup file?

**filmdb_dbase_061001-200059.zip**

File Date: 01-Oct-2006 20:00:59
File Type: application/octetstream
File Size: 135733 Bytes

---

Work in Progress...

**Restore the whole DataBase from Backup zip!**

0% of 100% Done

Write into Log file!

---

**Load Backup Archive:**

Please select a file of this sample: "filmdb_poster_DATE_TIME.zip"

---

**Attention!**

Are you really sure that you want to restore the poster folder through this backup file?

**filmdb_poster_060929-172712.zip**

File Date: 29-Sep-2006 17:27:12
File Type: application/octetstream
File Size: 2401129 Bytes

---

After the ZIP-Archive were uploaded - this requester appears.

If you click on the Restore button, the following requester appears.

---

**Attention!**

Are you really sure that you want to restore the poster folder through this backup file?

**filmdb_poster_060929-172712.zip**

File Date: 29-Sep-2006 17:27:12
File Type: application/octetstream
File Size: 2401129 Bytes

---

**Restore the whole DataBase from Backup zip!**

During this procedure you always see the action indicator independently of what you have selected at "Edit basic Configuration" "Use the Progress Indicator"!

If necessary, all actions of this operation are written into the log file.

---

**Load poster backup!**

If you click on the Upload button the requester will show an action indicator while archives are uploaded.

---

**Attention!**

Are you really sure that you want to restore ...the poster folder through this backup file?
**Restore Posters on Server from Backup zip!**

During this **procedure** you always see the action indicator independently of what you have selected at "Edit basic Configuration" "Use the Progress Indicator"!

If necessary, all actions of this operation are written into the log file.

You arrive this way, If you clicked Show Log file in the Preferences-Requester.

Each procedure begins with the **LOG:**-Date and the **CMD:**-Instruction!

**WARNING:** describes a warning, which does not have consequences!

**ERROR:** describes an error!

If necessary, the log file can be emptied by a click on **Clear**.
Problems

**Gecko Engine**
With Firefox and Co. you get a misrepresentation in the requesters:
- The Prompt in the "input"-objects is missing.

**KHTML/WebKit Engine**
With Safari and Co. you get a misrepresentation in the requesters:
- The css attribute "border-radius" is not considered.
- The table attribute "rules" is not considered.

**Internet Explorer**
In principle functionality remains, but the representation was suffering from the CSS weaknesses of the Browser:
- The z-index of select-objects is not considered.
- The alpha-maske of 32 Bit PNG's is not considered (fixed).
- The css attribute "position:fixed" is not considered (fixed).
- The css attribute "height:100%" is misinterpreted (fixed).
- The css attribute "border-radius" is not considered.

**Opera 9**
This is nearly perfect. Only a minimum of misrepresentation in the requesters.

**Opera* (< 9)**
Unfortunately the program is unusable by the CSS weaknesses of the Browser:
- The z-index of the IFrame is not considered whereby all Requesters disappear behind the IFrame.

**PHP**
With activated "magic-quotes" it comes to misinterpretations. With Apache the problem can be repaired by a ".htaccess" file in the program folder:
- php_flag magic_quotes_gpc off
- php_flag magic_quotes_runtime off
- php_flag magic_quotes off

*All Browser with representation problems should call the page of the IFrame "list.php" simply directly. Thus at least all films in the list can be viewed. PDA's and mobil phones should call the folder "mobile/" and RSS readers the folder "rss/"!"
Copyrights

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FilmDB is distributed under the terms of the GNU GPL.

FilmDB is based on php4flicks (c) by 2003-2004 David Fuchs. I’ve modified and extended the php4flicks code heavily.

IMDB fetch scripts where taken from PowerMovieList. Copyright (c) 1998-2003 by Niko. All Rights Reserved. David Fuchs has modified the code and I’ve extended this fetch code.

zip.lib 2.4 where taken from phpMyAdmin. Copyright (c) 2004 by Eric Mueller and Denis125. All Rights Reserved.

unzip.lib 1.2 where taken from phpMyAdmin. Copyright (c) 2003 by Holger Boskugel. All Rights Reserved.

Javascript tooltip implementation "wz_tooltip.js" 3.38. Copyright (c) 2002-2005 Walter Zorn. All rights reserved.

Javascript implementation of the XMLHttpRequest-Object is based on the Informations at Apple’s Developer Connection Site.

Javascript implementation of the RSA Data Security, Inc. MD5 Message-Digest Algorithm. Copyright (c) 1996 by Henri Torgeman. All Rights Reserved.

IE5.5+ PNG Alpha Fix v1.0 by Angus Turnbull http://www.twinhelix.com

position:fixed in IE/Win version 1.8 by Andrew Clover

xmlize() is by Hans Anderson, me@hansanderson.com

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API(s)

Export
In order to be able to access the database from other programs, a simple API is provided. The API is accessible via GET and/or via POST. After a successful call a well formed and valid XML stream or a XML file will be returned.

Syntax:
- **path:** export.php
  - query: ?imdb_id= ([0-9]*?)
    - original id from Internet Movie Database
  - or...
  - query: ?file_id= ([0-9]*?)
    - original id from MySQL Database
- subquery: &stream= (true|false)
  - returns a stream or an downloadable file
  - ...optional...
- subsubquery: &dtd= (internal|external)
  - Document Type Declaration internally or externally referenced or none

Errorcodes:
- **error:** no movie id
- **error:** unknown movie id