

* Title: MOVIE LIBRARY
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* Cohort: BWT/17B/FT
* Module: OPEN SOURCE WEB TECHNOLOGY

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**Chapter 1:  *Introduction***

* 1. ***Abstract***

You are required to develop a PHP Web application to manage a collectors’ movie library. The application will be used by only one person to manage his inventory of movies. The application shall be accessed via a login form *(password protected account with single role).*

***1.2 Functional Requirements***

1. The user should be able to manage (**Add/Edit**) the following movie information/data

* Movie Category (dropdown list loaded from database table)
* Movie Title (text)
* Movie Year (dropdown list)
* Movie Cast (i.e. list of actors – manually entered)
* Movie Cover (Image upload capability – thumbnail + preview)
* Movie Tags (tagging words to relate to movie, i.e. any no. of strings)
* Movie IMDB link (URL to IMDB directory)
* Movie Trailer (YouTube embed)

2. The user should be able to view his movie collection via a tabular form with a paging mechanism provided.

* The tabular list should display the following:
  + Movie thumbnail (150 x 150)
  + Movie title & cast
  + Movie year
  + Movie category.
* The tabular list should have an option to filter the movies by category and alphabetical order (both ascending and descending)
* A ‘View’ option in the last column of the table that opens a new window tab that displays the movie full information (new window tab or modal popup)
* An ‘Edit’ option before the last column that opens a new page in the same window/tab that allows the user to edit its movie data (new window tab or modal popup)
* The user should be able to search for a movie on a fresh page
  + Search parameters could be movie title or movie tags only
  + The result should be displayed in the same tabular list format as above, with paging mechanism but do not include the filtering option here

***1.3 Technical Requirements***

* + Use MySQL as backend with MySQLi connector
  + If possible, use OOP concept but it’s not mandatory
  + Add further functionalities other than listed above or enhance the UI

***1.4 Abbreviations***

HTML: Hypertext Markup Language

PHP: Hypertext Preprocessor

SQL: Structured Query Language

XAMPP: X ("cross"-platform), Apache HTTP Server and MySQL,

***1.5 Project Timeline***

**Gantt chart**

|  |  |  |  |
| --- | --- | --- | --- |
|  | September | October | November |
| Introduction |  |  |  |
| Research |  |  |  |
| Analysis |  |  |  |
| Design |  |  |  |
| Implementation |  |  |  |
| Testing |  |  |  |
| Report |  |  |  |