**Add\_and\_list.php –** showing the user the table with the records of the books.

* First the head contains css-style for the table, buttons and body with background image
* Body starts with php connecting to myphpadmin table
* Query to select all records from table books
* Creating table with html then fetching the result into the table with php
* Form with button sending to the index page
* Function to create legal sql string
* end

**Add\_row.php** – hmtl with css style for buttons text-fields and setting the background to image

* Connecting to the myphpadmin table
* Validation function checking for empty field, the length of the field , is the date no numeric
* Using array to print the error messages with variable to check if there is a error then for loop printing the error/s.
* Checking if the information is posted then assigning data
* If the validation is passed query, that insert the values in text field and checking for unique ID
* Form for the field and some buttons sending to the index page or the view table
* Function to create legal sql string
* End

**Index.php -** html with css style for background image text decoration and form style

* Containing 4 buttons
* One for add\_and\_list.php
* One for add\_row.php
* One for delete.php
* One for update.php

**Delete.php** – html with css style for background image form style

- connecting to the myphphadmin table

- validation function checking only for the field id for empty, for length and if it is not numeric

- printing the errors with array

- if the field id is posted assigning data

- if the validation is passed adding query that deletes the row where the user types Id

- form for text field and buttons to return to the previous pages

- function to create legal sql string

- End

**Update.php** – html style for background image form decoration and label decoration

* Connecting to myphpadming database
* Validation function checking for every field (empty , appropriate length, is not numeric) and printing the errors via array
* Checking if the id title author genre and year are posted then assigning data
* Checking if the validation is passed then query to update every field with the user choice where the chosen id is.
* Form for the user’s input
* Function to create legal sql string
* End

**Chart.php –** represent a google pie chart with the percentage of the genres in the library

Using books.jpg for background-image for index.php and add\_and\_list.php

Using book.jpg for background-image for update,delete,add\_row.php

Table books contains 4 fields Id Author Title Genre and Year