

UNIVERSITY OF LA VERNE



MAJOR: COMPUTER SCIENCE

CONCENTRATION: INTERNET PROGRAMMING

CMPSC 499 SENIOR PROJECT

TITLE: BOOK REVIEW

PRESENTED BY UYEN HO

FALL 2021

UNIVERSITY PROJECT ADVISOR: PROF. JOZEF GOETZ

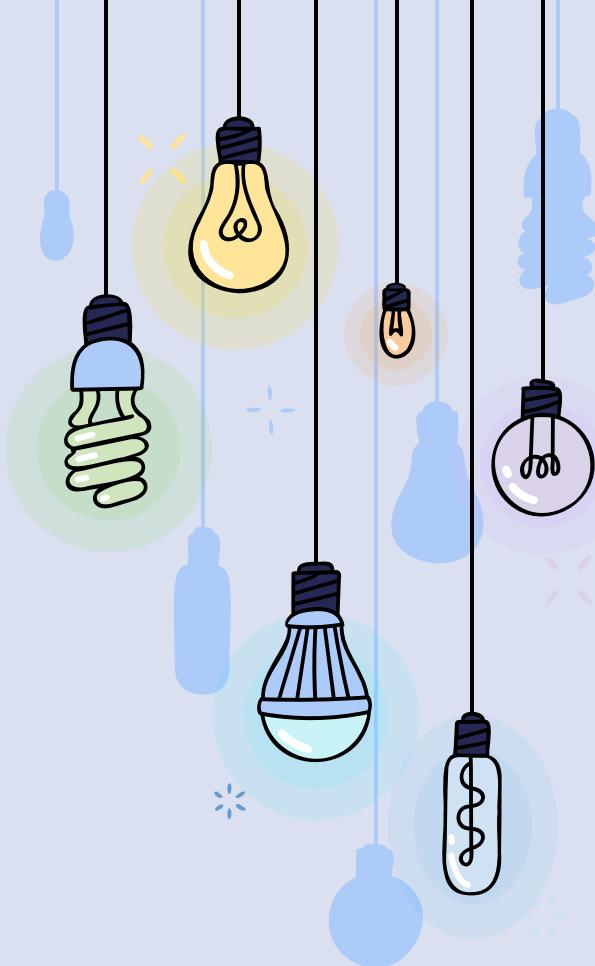
RUNNING PROJECT IS PUBLISHED AT:

[WWW.BOOKREVIEW.LIVE/BOOKREVIEW/PUBLIC/INDEX.PHP](http://WWW.BOOKREVIEW.LIVE/BOOKREVIEW/PUBLIC/INDEX.PHP)



# ★ AGENDA

- + Personal background
- + Abstract
- + Problem statement
- + Design
- + Implementation
- + Test
- + Demonstration
- + Conclusion
- + Reference





## I am Uyen Ho

Major: Computer Science

Concentration: Internet Programming

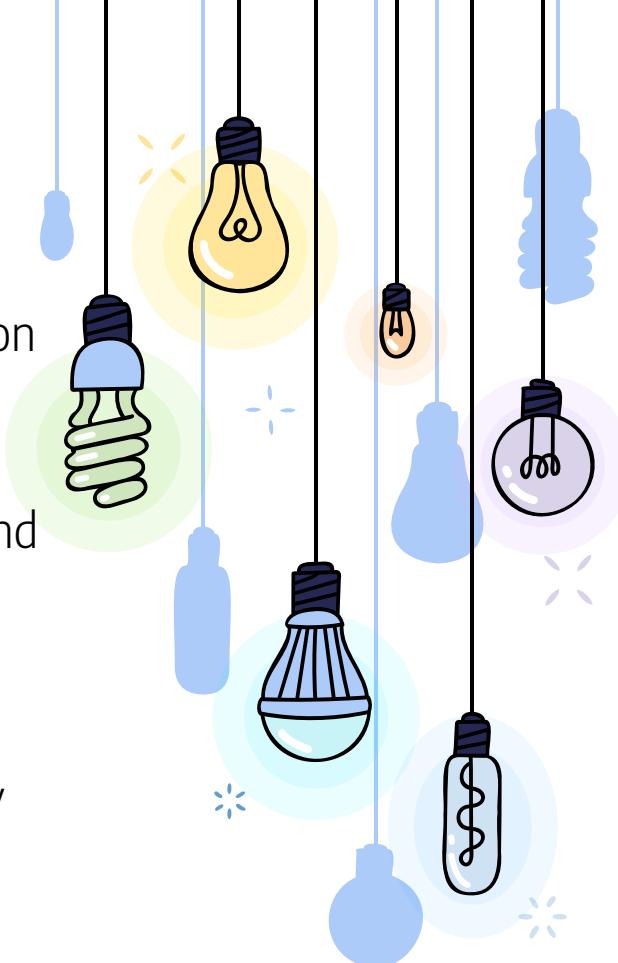
Enrolled: Fall 2018 – Fall 2021

Hobby: reading books, coding, and swimming



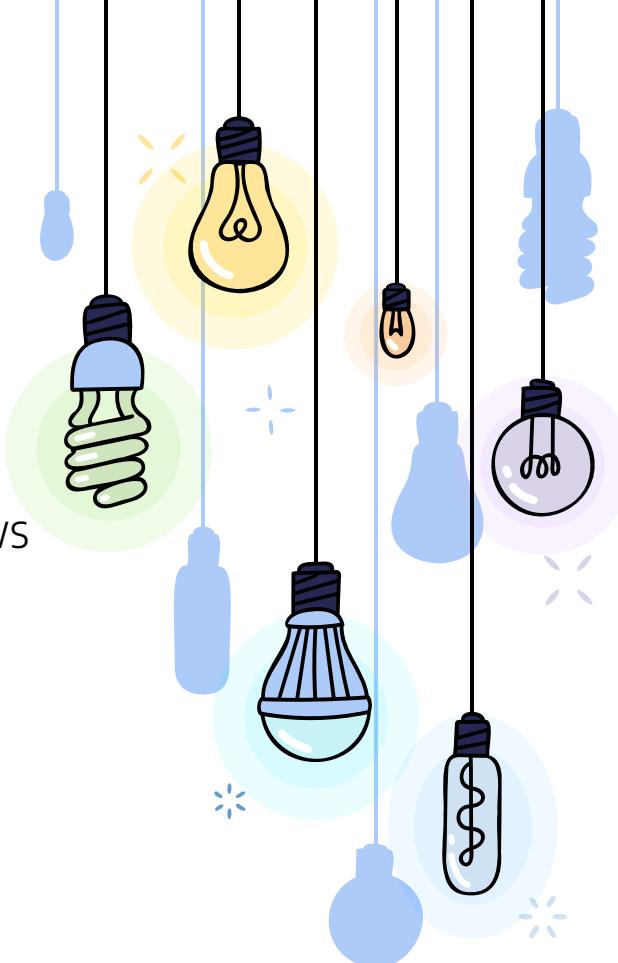
## ✳️ ABSTRACT

- + password protected database driven website application that allows users to browse their book through genre, view the reviews and write their own review
- + database is used to store book details, users, genres, and reviews.
- + website limits accessibility depending on your permissions as a user
- + Website is implemented using PHP, HTML, CSS, Jquery and MySQL database



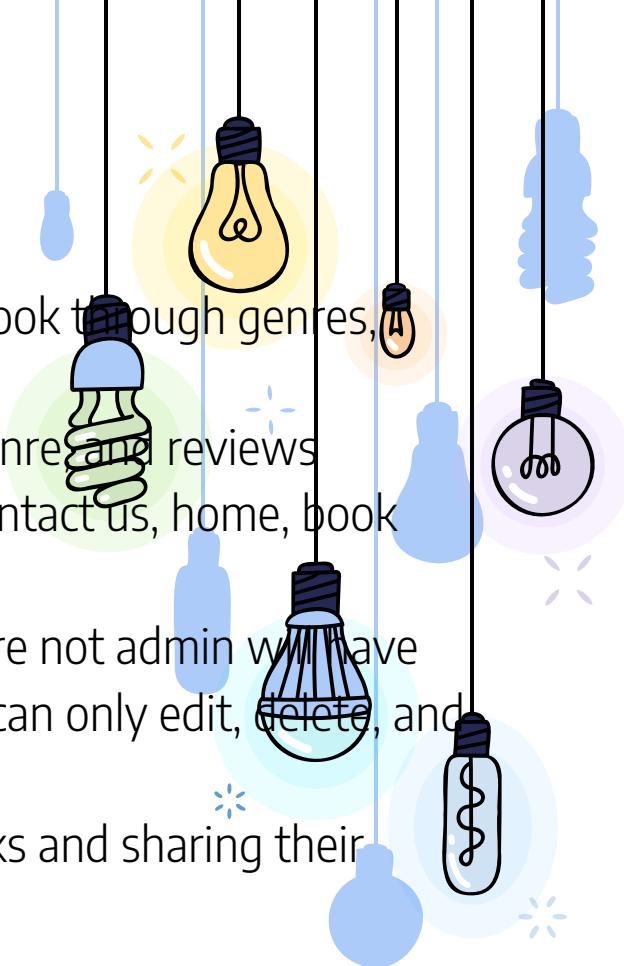
## \* PROBLEM STATEMENT

- + Most of the book review website only allow browse books with only one genre at onetime
- + Goodread has many book details on top that take a lot of space and users has to scroll down to see the reviews
- + No rating system for reviews



# \* PROPOSED PROJECT

- + The goal of this website is allowing users to browse their book through genres, view the reviews and write their own reviews.
- + A relational database is used to store book details, users, genre and reviews
- + the website consist of multiple public web pages such as contact us, home, book list, and about us
- + Admin users have access to all pages, Users logged in but are not admin will have access to all pages except users list and genre list and they can only edit, delete, and add reviews that are their own
- + The purpose of this website is to let users know about books and sharing their opinion about the books.



# \* REQUIREMENT

## Website Navigation

- + The navigation is **consistent** throughout every page
- + A **text based navigation** is implemented in the **footer** for users who are disabled

## Page Layout Design

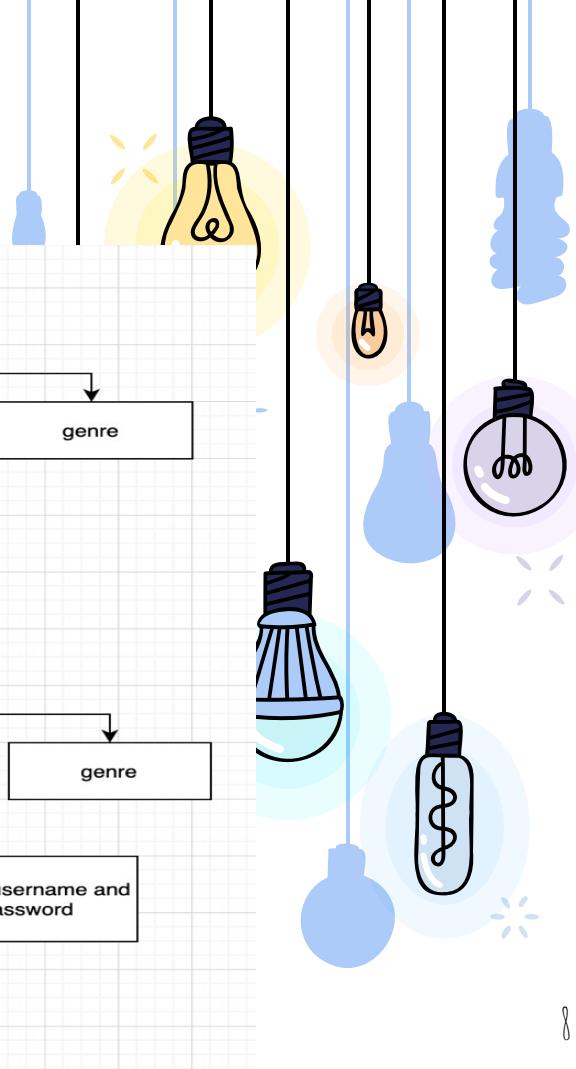
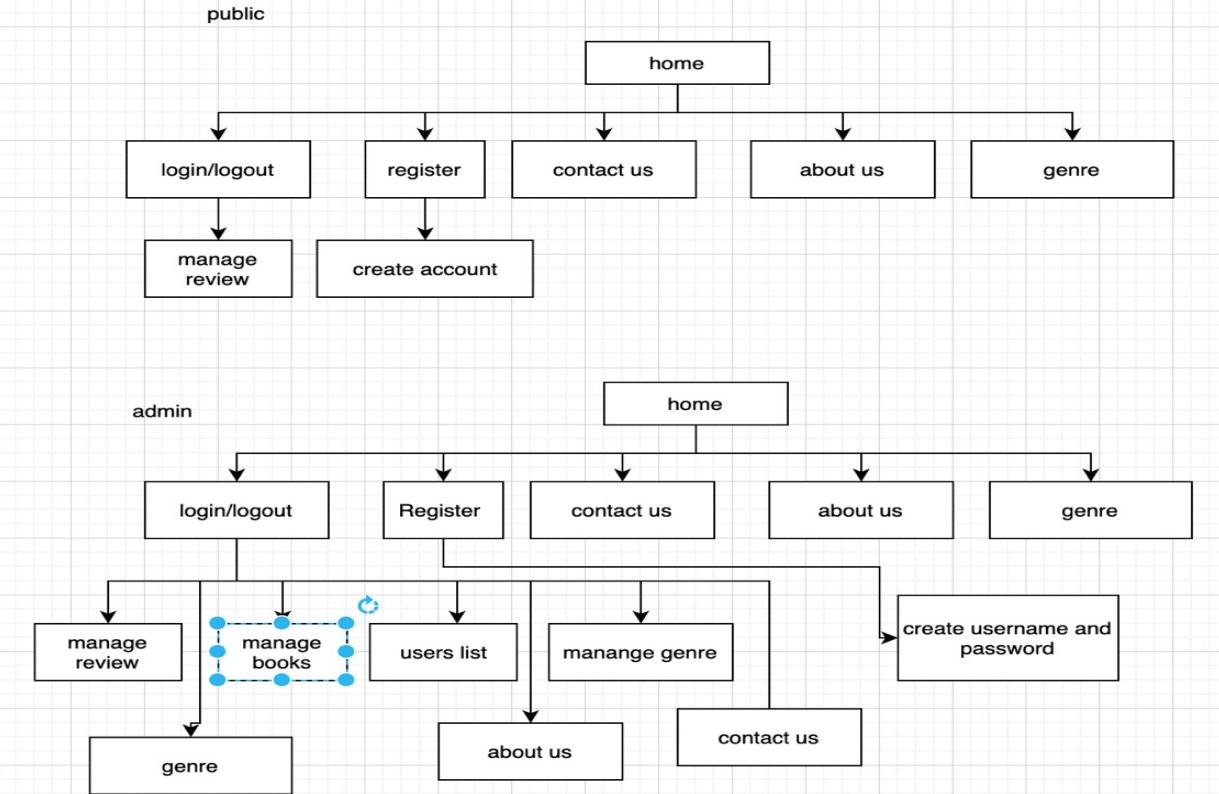
- + The website has **consistent** header/footer/navigation throughout each page
- + no **horizontal scrolling**
- + **contrast** between the **background** and **content** is strong
- + **logical alignment** of content
- + **good balance** between content and whitespace

## Color and Graphics

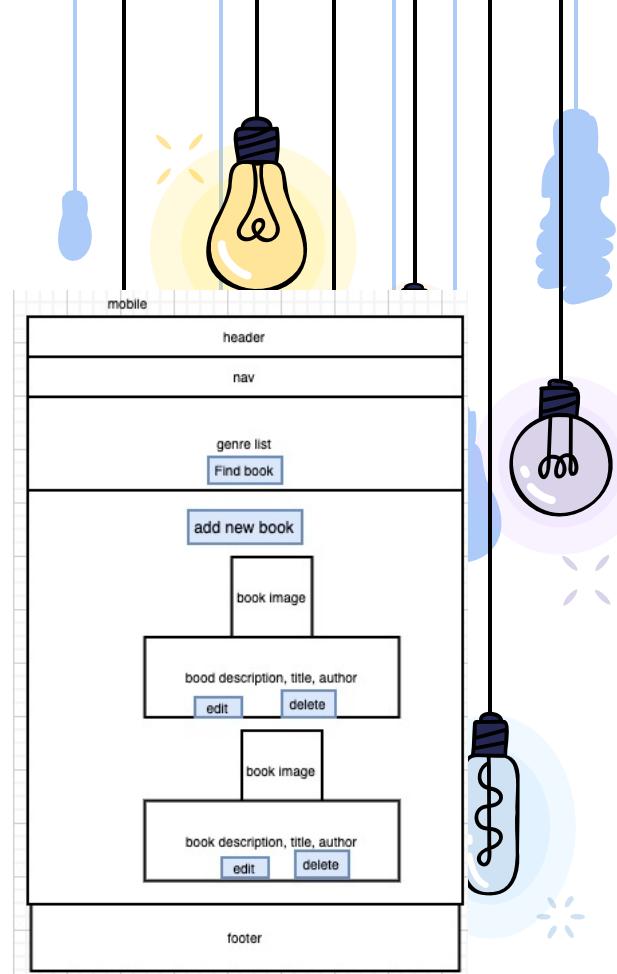
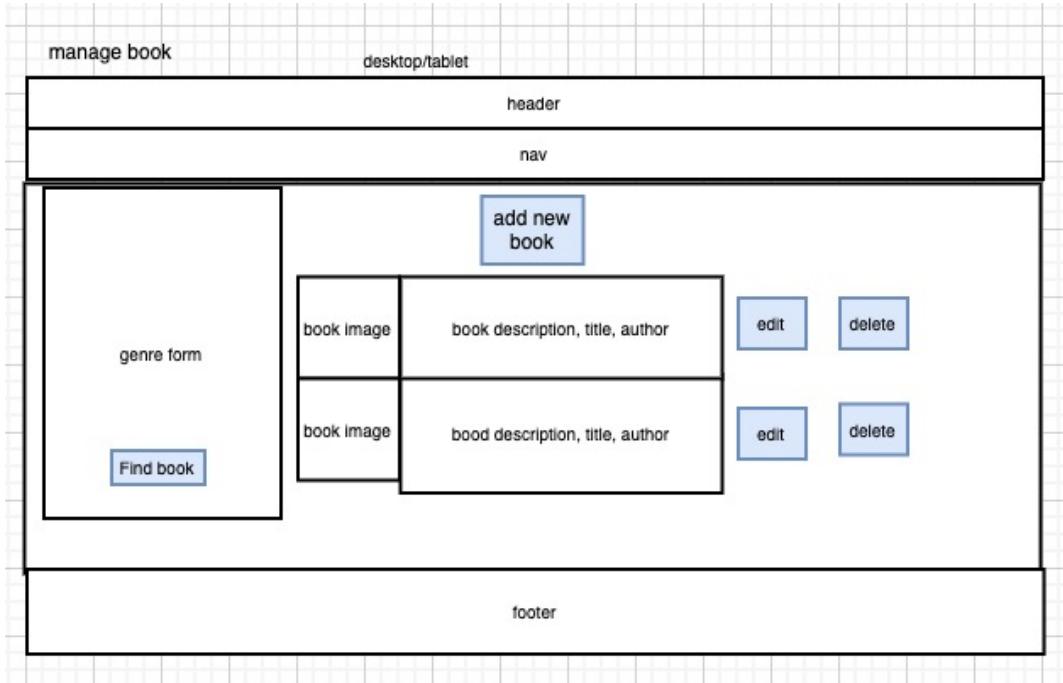
- + The color of the website is **appealing** to the eye, and there is **no dark color**
- + Color is used **consistently** throughout the entire website
- + The **alt attribute** is used on all images



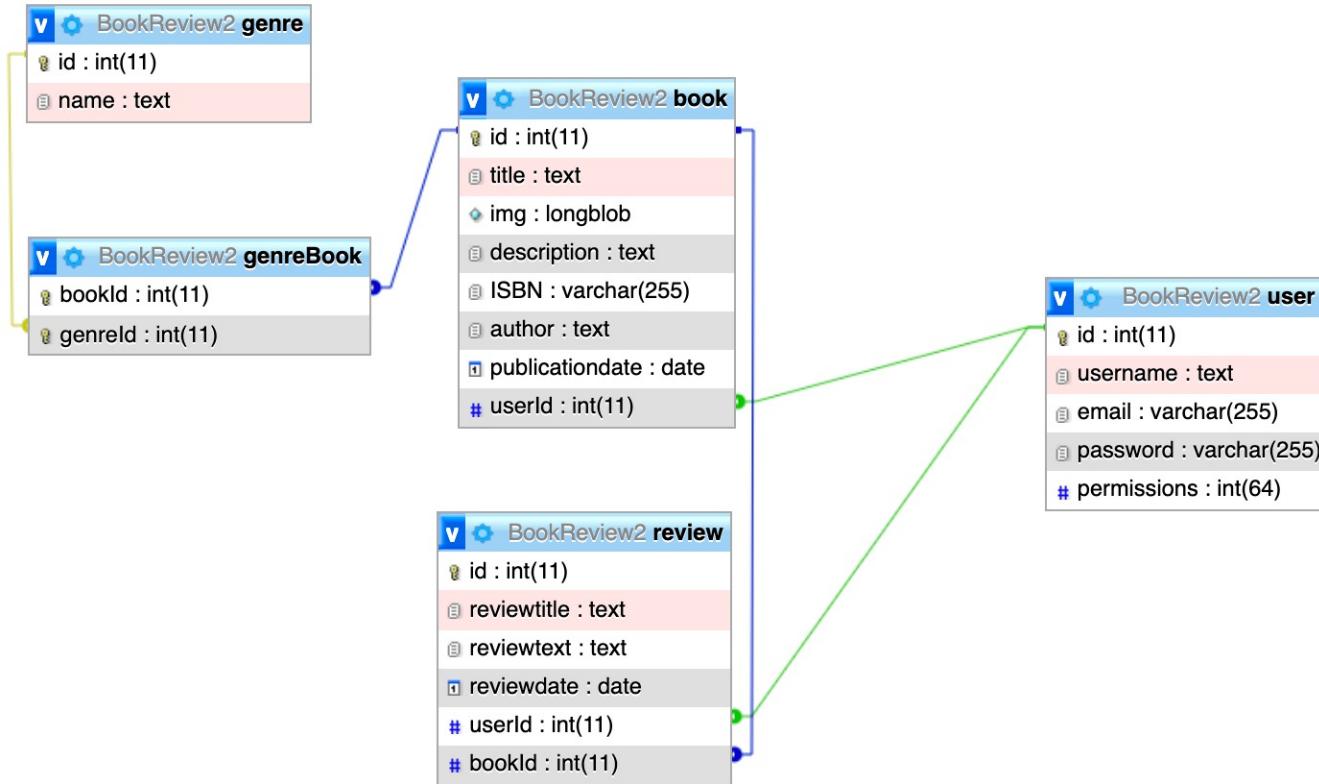
# ✳ DESIGN ( WEBSITE STRUCTURE)



# ✳ DESIGN (WIREFRAME)



# ✳ DESIGN (DATABASE)



# IMPLEMENTING(DATABASE)

`SELECT * FROM `book``

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25  Filter rows: Search this table Sort by key: None

+ Options

	<input type="checkbox"/> Edit  Copy  Delete	<input type="checkbox"/> id	<input type="checkbox"/> title	<input type="checkbox"/> img	<input type="checkbox"/> description	<input type="checkbox"/> ISBN	<input type="checkbox"/> author	<input type="checkbox"/> publicationdate	<input type="checkbox"/> userid
<input type="checkbox"/>	Edit  Copy  Delete	2	Diary of a Wimpy Kid	[BLOB - 53.7 KiB]	Greg Heffley finds himself thrust into a new year ...	978-1439582633	Jeff	2007-01-04	6
<input type="checkbox"/>	Edit  Copy  Delete	3	Twilight	[BLOB - 15.0 KiB]	Isabella Swan's move to Forks, a small, perpetual...	978-0316015844	Stephenie Meyer	2006-06-09	6
<input type="checkbox"/>	Edit  Copy  Delete	4	Pride and Prejudice	[BLOB - 21.3 KiB]	Since its immediate success in 1813, Pride and Pre...	978-0141439518	Jane Austen	1813-01-28	6
<input type="checkbox"/>	Edit  Copy  Delete	5	The Great Adventure of Sherlock Homes	[BLOB - 55.4 KiB]	From the strange case of 'The Red-Headed League' t...	978-0141332499	Sir	2014-06-09	9
<input type="checkbox"/>	Edit  Copy  Delete	7	Red, White & Royal Blue	[BLOB - 502.6 KiB]	First Son Alex Claremont-Diaz is the closest thing...		Casey	2019-05-14	6

Showing rows 0 - 20 (21 total, Query took 0.0008 seconds.)

`SELECT * FROM `review``

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25  Filter rows: Search this table Sort by key: None

+ Options

	<input type="checkbox"/> Edit  Copy  Delete	<input type="checkbox"/> id	<input type="checkbox"/> reviewtitle	<input type="checkbox"/> reviewtext	<input type="checkbox"/> reviewdate	<input type="checkbox"/> userid	<input type="checkbox"/> bookid
<input type="checkbox"/>	Edit  Copy  Delete	1	My brother loves it!!!	This book is amazing, it has attractive plot that ...	2021-09-07	1	2
<input type="checkbox"/>	Edit  Copy  Delete	2	Review	This book is quite possibly the most insipid novel...	2009-01-01	2	4
<input type="checkbox"/>	Edit  Copy  Delete	3		well myself and my counterpart on the dumb bitch b...	2020-08-09	1	3
<input type="checkbox"/>	Edit  Copy  Delete	4		I bought this book for my 9 year old son, who had ...	2021-01-01	3	2
<input type="checkbox"/>	Edit  Copy  Delete	5		I seldom give five-star ratings, but I feel the ne...	2021-01-01	4	2
<input type="checkbox"/>	Edit  Copy  Delete	11	Great!!!!!!	I love this book	2021-11-10	6	NULL
<input type="checkbox"/>	Edit  Copy  Delete	13	I	This book is not good	2021-11-19	9	NULL
<input type="checkbox"/>	Edit  Copy  Delete	14	I	This book is about	2021-11-19	9	NULL

Showing rows 0 - 6 (7 total, Query took 0.0010 seconds.)

`SELECT * FROM `genre``

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25

+ Options

	<input type="checkbox"/> Edit  Copy  Delete	<input type="checkbox"/> id	<input type="checkbox"/> name
<input type="checkbox"/>	Edit  Copy  Delete	1	fantasy
<input type="checkbox"/>	Edit  Copy  Delete	2	Comedy
<input type="checkbox"/>	Edit  Copy  Delete	3	Romance
<input type="checkbox"/>	Edit  Copy  Delete	4	Mystery
<input type="checkbox"/>	Edit  Copy  Delete	5	Adventure
<input type="checkbox"/>	Edit  Copy  Delete	6	Horror
<input type="checkbox"/>	Edit  Copy  Delete	10	LGBT

Showing rows 0 - 24 (28 total, Query took 0.0007 seconds.)

`SELECT * FROM `genreBook``

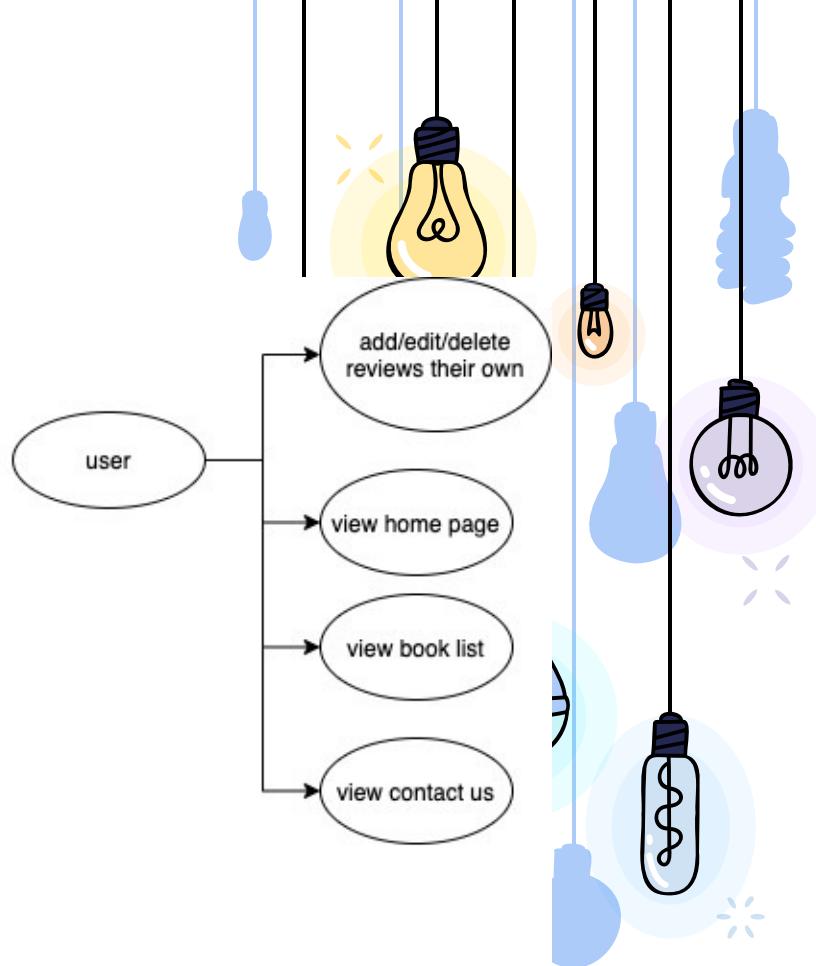
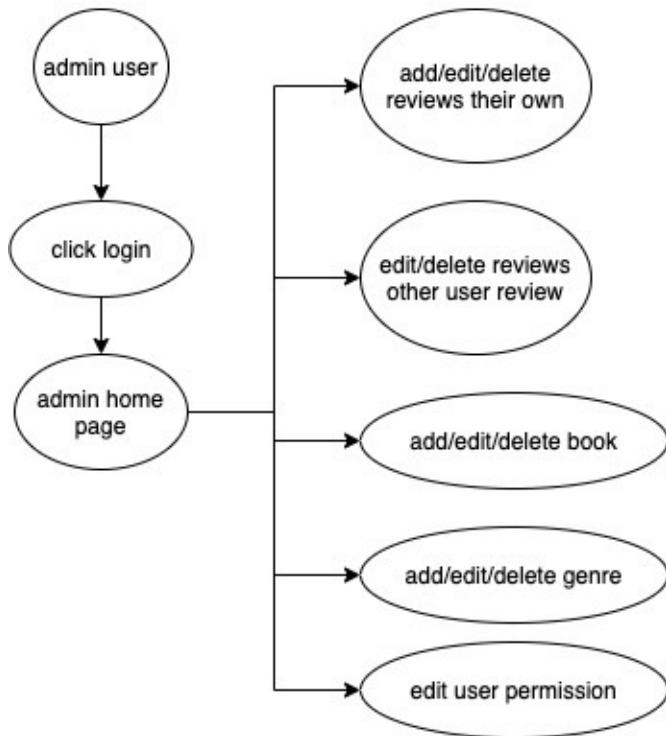
Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25

+ Options

	<input type="checkbox"/> Edit  Copy  Delete	<input type="checkbox"/> bookid	<input type="checkbox"/> genrelid
<input type="checkbox"/>	Edit  Copy  Delete	2	2
<input type="checkbox"/>	Edit  Copy  Delete	3	1
<input type="checkbox"/>	Edit  Copy  Delete	3	3
<input type="checkbox"/>	Edit  Copy  Delete	4	3
<input type="checkbox"/>	Edit  Copy  Delete	5	4
<input type="checkbox"/>	Edit  Copy  Delete	5	5
<input type="checkbox"/>	Edit  Copy  Delete	7	2
<input type="checkbox"/>	Edit  Copy  Delete	7	3

# \* DESIGN(USER CASE DIAGRAM)





Book Review

Home Book List About Us Contact Us

Register Account

Log in



Home Your reviews Manage Book ↓ Manage genre ↓ Users List About Us Contact Us

Log out

Home Your reviews Book List Manage genre ↓ Users List About Us Contact Us

```
<?php if ($loggedIn): ?>
    <!--UHo NEW 1!: if user is logged in "your reviews" nav bar will show-->
    <li id="yourreview" href="index.php?review/list">Your reviews</a></li>
    <!--UHo NEW 5!: if user is logged in and has permission edit book or delete book then "manage book" dropdown will show up-->
    <?php if ($user->hasPermission(\Ijdb\Entity\User::EDIT_BOOKS) || $user->hasPermission(\Ijdb\Entity\User::DELETE_BOOKS)): ?>
        <li id="managebook">Manage Book <span>=&#8675;</span>
            <ul id="dropdown">
                <li id="booklist" href="index.php?book/list">Book List</a></li>
            <!--UHo NEW 3!: if user is logged in and has permission edit book then "add book" nav will show up-->
            <?php if ($user->hasPermission(\Ijdb\Entity\User::EDIT_BOOKS)): ?>
                <li id="addBook" href="index.php?book/edit">Add Book</a></li>
            <?php endif; ?>
        <?php else: ?><!--UHo NEW 5!: if user is logged in and doesn't have permission edit book or delete book then "book list" will show up-->
        <li id="booklist" href="index.php?book/list">Book List</a></li>
        <?php endif; ?>
```

© Book Review 2021 Home Your reviews Book List Add Book Genre List Add Genre Users List About Us Contact Us

© Book Review 2021 Home Your reviews Book List Genre List Add Genre Users List About Us Contact Us

```
<a href="index.php">Home</a>
<?php if ($loggedIn): ?>
    <!--UHo NEW 1!: if user is logged in and has permission edit book then 'add book' page will show up-->
    <a href="index.php?review/list">Your reviews</a>
    <!--UHo NEW 6!: if user is logged in and has permission edit book or delete book then "book list" text base nav will show up-->
    <?php if ($user->hasPermission(\Ijdb\Entity\User::EDIT_BOOKS) || $user->hasPermission(\Ijdb\Entity\User::DELETE_BOOKS)): ?>
        <a href="index.php?book/list">Book List</a>
        <!--UHo NEW 3!: if user is logged in and has permission edit book then "add book" nav will show up-->
        <?php if ($user->hasPermission(\Ijdb\Entity\User::EDIT_BOOKS)): ?>
            <a href="index.php?book/edit">Add Book</a>
        <?php endif; ?>
    <?php else: ?><!--UHo NEW 1!: if user is logged in and doesn't have permission edit book or delete book then "book list" will show up-->
    <| a href="index.php?book/list">Book List</a>
    <?php endif; ?>
```





Log out

```
3 nav ul li#managebook, nav li#booklist{background-color: #FFF7E4;}\n4 nav ul li#booklist a:hover{color: #F6D692;}
```

Home Your reviews

Manage Book ↓ Manage genre ↓ Users List

### Book Genre

If you select multiple genres you can find book/books with all those genre

- fantasy
- Comedy
- Romance
- Mystery
- Adventure
- Horror
- LGBT

Find Book

11 books

Add Book

Red, White & Royal Blue



Author: Casey

Publication date: 14th May 2019

Edit

Delete



Thrown to the Wolves

Author: Charlie Adhara

Publication date: 12th April 2019

Edit

Delete

```
9 form{margin-left: 10%; overflow: unset;}\n10 label{width: auto;}\n11 #formBook{margin-left: 15px; width: 30%;}
```



If you select multiple genres you can find book/books with all those

```
50 <div id="formBook">\n51 <p style="text-align: center;">Book Genre</p>\n52 <em>If you select multiple genres you can find book/books with all those\n53 <p></p>\n54 <!--UHo NEW 7l: select genre form-->\n55 <form action="#" method="POST"\n56 <?php foreach($genres as $genre): ?>\n57 <input type="checkbox" id="genre" name="genre[<?=$genre->id?]" value="<?=$genre->id?":>\n58 <label for="genreId"><?=$genre->name?></label>\n59 <?php endforeach; ?>\n60 <input type="submit" value="Find Book">\n61 </form>\n62 </div>
```

```
else {\n    $books = $this->booksTable->findAll('publicationdate DESC', 10, $offset);\n    $totalBooks = $this->booksTable->total();\n}
```

```
<?php if ($User): ?>\n    <!--UHo NEW 1l: if user is logged in and has permission edit book then "add book" button will show up-->\n    <?php if($User->hasPermission(\Ijdb\Entity\User::EDIT_BOOKS)):?\>\n        <button id="addbookbut"><a href="index.php?book/edit">Add Book</a></button>\n    <?php endif; ?>\n    <?php endif; ?>\n
```

```
72 <table>\n73     <!--UHo NEW 10l: php and html code display book image, title, author, publication date-->\n74     <?php foreach($books as $book): ?>\n75     <tr>\n76         <td class="one">\n77             title?"/>\n78         <td class="two"><h3><a href="index.php?book/review?bookId=<?=$book->id?>"><?=$book->title?</a></h3>\n79             <p>Author: <?=$book->author?></p>\n80             <p>Publication date: <?php\n81                 $date = new DateTime($book->publicationdate);\n82                 echo $date->format('jS F Y');?></p>\n83         </td>\n84 \n85     <?php if ($User): ?>\n86         <td class="three">\n87             <!--UHo NEW 3l: if user is logged in and has permission edit book then "edit" button will show up-->\n88             <?php if($User->hasPermission(\Ijdb\Entity\User::EDIT_BOOKS)):?\>\n89                 <button><a href="index.php?book/edit?id=<?=$book->id?>">Edit</a></button>\n90             <?php endif; ?>\n91         </td>\n92         <td class="four">\n93             <!--UHo NEW 5l: if user is logged in and has permission delete book then "delete" button will show up-->\n94             <?php if($User->hasPermission(\Ijdb\Entity\User::DELETE_BOOKS)):?\>\n95                 <form action="index.php?book/delete" method="post">\n96                     <input type="hidden" name="id" value="<?=$book->id?>">\n97                     <input type="submit" value="Delete">\n98                 </form>\n99             <?php endif; ?>\n100            </td>\n101        <?php endforeach; ?>\n102    </table>\n103 }
```

```
<!--UHo NEW 3l: if user is logged in and has permission edit book then "edit" button will show up-->\n88     <?php if($User->hasPermission(\Ijdb\Entity\User::EDIT_BOOKS)):?\>\n89         <button><a href="index.php?book/edit?id=<?=$book->id?>">Edit</a></button>\n90     <?php endif; ?>\n91 
```

```
<!--UHo NEW 5l: if user is logged in and has permission delete book then "delete" button will show up-->\n94     <?php if($User->hasPermission(\Ijdb\Entity\User::DELETE_BOOKS)):?\>\n95         <form action="index.php?book/delete" method="post">\n96             <input type="hidden" name="id" value="<?=$book->id?>">\n97             <input type="submit" value="Delete">\n98         </form>\n99     <?php endif; ?>\n100    </td>\n101  <?php endforeach; ?>\n102 </table>\n103 }
```

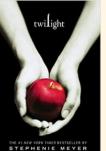
## Book Genre

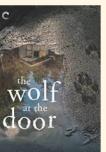
If you select multiple genres you can find book/books with all those genre

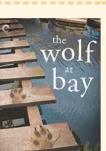
- fantasy
- Comedy
- Romance
- Mystery
- Adventure
- Horror
- LGBT

Find Book

4 books

  
Twilight  
Author: Stephenie Meyer  
Publication date: 9th June 2006

  
The Wolf at the Door  
Author: Charlie Adhara  
Publication date: 19th February 2018

  
The Wolf at Bay  
Author: Charlie Adhara  
Publication date: 24th September 2018

Add Book

```
if (isset($_POST['genre'])) {  
    $genres = $_POST['genre'];  
    //UHo new 3l: Get books for each genre  
    foreach($genres as $genre){  
        $Genre[$genre] = $this->genresTable->findById($genre);  
        $book[$genre] = $Genre[$genre]->getBooks(10, $offset);  
    }  
  
    //UHo new 5l: get all books' ids from all the genres and store them in an array  
    $booksId = [];  
    foreach($book as $genre){  
        foreach($genre as $bookID){  
            array_push($booksId,$bookID->id);  
        }  
    }  
  
    //UHo new 1l: count the values(book_id) in array booksId  
    $booksId = array_count_values($booksId);  
    $books = [];  
    foreach($booksId as $book => $numBook){  
        if($numBook >= count($genres)){ //if the id value equal to number of genres then this/these books  
            $books[] = $this->booksTable->findById($book);  
        }  
    }  
  
    if(empty($books)){  
        $totalBooks = "0";  
    }  
    else{  
        $totalBooks = count($books);  
    }  
}
```

fantasy  
 Comedy  
 Romance  
 Mystery  
 Adventure  
 Horror  
 LGBT

Find Book

0 books

Add Book

## Red, White & Royal Blue

Author: Casey

Edit

Delete

Publication date: 14th May 2019

```
public function updateCol($column, $value, $primaryKey) {
    $query = ' UPDATE ' . $this->table . ' SET ';
    $query .= '' . $column . ' = :value,';

    $parameters = [
        'value' => $value
    ];

    $query = rtrim($query, ',');
    $query .= ' WHERE `id` = ' . $primaryKey;
    $this->query($query, $parameters);
}
```

```
public function delete() {
```

```
    $user = $this->authentication->getUser();

    $book = $this->booksTable->findById($_POST['id']);

    $review = $this->reviewTable->find('bookId', $_POST['id']);
```

```
    if ($book->userId != $user->id && !$user->hasPermission(\Ijdb\Entity\User::DELETE_BOOKS) ) {
        return;
    }
    foreach($review as $r){
        $this->reviewTable->updateCol('bookId',null, $r->id);
    }
    $this->bookGenresTable->deleteWhere('bookid', $_POST['id']); // 6/13/18 JG NEW 1L: first DELETE
    // otherwise DB problem and book display problem
    $this->booksTable->delete($_POST['id']); // 6/13/18 JG delete a row at the parent table

    //header('location: /book/list'); 5/25/18 JG DEL 1L: org
    header('location: index.php?book/list'); // 5/25/18 JG NEW 1L
```

		id	reviewtitle	reviewtext	reviewdate	userId	bookId
<input type="checkbox"/>		1	My brother loves it!!!	This book is amazing, it has attractive plot that ...	2021-09-07	1	2
<input type="checkbox"/>		2	Review	This book is quite possibly the most insipid novel...	2009-01-01	2	4
<input type="checkbox"/>		3		well myself and my counterpart on the dumb bitch b...	2020-08-09	1	3
<input type="checkbox"/>		4		I bought this book for my 9 year old son, who had ...	2021-01-01	3	2
<input type="checkbox"/>		5		I seldom give five-star ratings, but I feel the ne...	2021-01-01	4	2
<input type="checkbox"/>		11	Great!!!!!!	I love this book	2021-11-10	6	NULL
<input type="checkbox"/>		13	I	This book is not good	2021-11-19	9	NULL
<input type="checkbox"/>		14	I	This book is about	2021-11-19	9	NULL

This book is deleted

hhhsdhufcui Hu uhukzhvk hkhzkdgfvksjzbdu

This book is deleted

I love this book

Book title:

Red, White & Royal Blue

Book image:

Choose File No file chosen



Book Description:

First Son Alex  
Claremont-Diaz is  
the closest thing to

Book author:

Casey

Book ISBN:

Book publication date:

05/14/2019

Select genres for this book:

- fantasy
- Comedy
- Romance
- Mystery
- Adventure
- Horror
- LGBT

Save

```
18  <?php if($User): ?>
19  <!-- This MOD 201. If user is logged in and has permission edit book then the form will show up -->
20  <?php if ($User->hasPermission(\Ijdb\Entity\User::EDIT_BOOKS)): ?>
21  <form action="" method="post" enctype="multipart/form-data" > <!--enctype="multipart/form-data"-->
22  <input type="hidden" name="book[id]" value="<?=$book->id ?? ''?>">
23  <label for="booktitle">Book title:</label>
24  <input type="text" id='booktitle' name="book[title]" value="<?=$book->title ?? ''?>">
25  <label for="bookimg">Book image:</label>
26  <input type="file" id="bookimg" name="book">
27  title ?? ''?>"/>
28  <label for="booktext">Book Description:</label>
29  <textarea id="booktext" name="book[description]" rows="3" cols="40"><?=$book->description ?? ''?></textarea>
30  <label for="bookauthor">Book author:</label>
31  <input type="text" id='booktitle' name="book[author]" value="<?=$book->author?? ''?>">
32  <label for="bookISBN">Book ISBN:</label>
33  <input type="text" id='ISBN' name="book[ISBN]" value="<?=$book->ISBN?? ''?>">
34  <label for="publication">Book publication date:</label>
35  <input type="date" id="publicationdate" name="book[publicationdate]" value=<?=$book->publicationdate?? ''?>>
36  <p>Select genres for this book:</p>
37  <!--genre checkbox form-->
38  <?php foreach ($genres as $genre): ?>
39  <?php if ($book && $book->hasgenre($genre->id)): ?>
40  <input type="checkbox" checked name="genre[]" value="<?=$genre->id?>" />
41  <?php else: ?>
42  <input type="checkbox" name="genre[]" value="<?=$genre->id?>" />
43  <?php endif; ?>
44  <label><?=$genre->name?></label>
45  <?php endforeach; ?>
46
47  <input type="submit" name="submit" value="Save" />
48  </form>
49  <?php else: ?>
50  <p>You don't have permission to add/edit book.</p>
51  <?php endif; ?>
52  <?php endif; ?>
```

Screenshot

## Genres

Add Genre

fantasy

Edit Delete

Comedy

Edit Delete

Romance

Edit Delete

Mystery

Edit Delete

Adventure

Edit Delete

Horror

Edit Delete

LGBT

Edit Delete

```
public function edit() {
```

```
if (isset($_GET['id'])) {  
    $genre = $this->genreTable->findById($_GET['id']);  
}
```

```
$title = 'Edit Genre';
```

```
return ['template' => 'editgenre.html.php',  
       'title' => $title,  
       'variables' => [  
           'genre' => $genre ?? null  
       ]  
];
```

Home Your reviews Manage Book ↓ Manage genre ↓ Users List About Us Contact Us

Enter genre name:

Save

```
l8 <table>  
l9 <tbody>  
l0 <?php if ($user): ?>  
l1 <!-- UHo new 3L: if user is logged in and has permission add genre then "Add genre" button will show up-->  
l2 <?php if($user->hasPermission(\Ijdb\Entity\User::ADD_GENRES)): ?>  
l3 <tr><td colspan="3" style="text-align: center;"><button><a href="index.php?genre/edit">Add Genre</a></button></td></tr>  
l4 <?php endif; ?>  
l5 <?php foreach($genres as $genre): ?>  
l6 <tr>  
l7 <td>  
l8 <p><?=htmlspecialchars($genre->name, ENT_QUOTES, 'UTF-8')?>  
l9 <!-- a href="/genre/edit?id=<?=$genre->id?>">Edit</a> JG 6/3/18 org--></p></td>  
l10 <td><button><a href="index.php?genre/edit?id=<?=$genre->id?>">Edit</a></button> !-- 6/3/18 JG MOD1L  
l11 <td>  
l12 <?php if($user->hasPermission(\Ijdb\Entity\User::REMOVE_GENRES)): ?>  
l13 <td><form action="index.php?genre/delete" method="post"> <!-- 6/3/18 JG MOD1L -->  
l14 <input type="hidden" name="id" value="<?=$genre->id?>">  
l15 <input type="submit" value="Delete">  
l16 </form> </td>  
l17 <?php endif; ?>  
l18 </tr>  
l19 <?php endforeach; ?>  
l20 <?php endif; ?>  
l21 </tbody>  
l22 </table>
```

```
public function list() {
```

```
$genres = $this->genreTable->findAll();  
$user = $this->authentication->getUser();  
$title = 'book genre';  
  
return ['template' => 'genre.html.php',  
       'title' => $title,  
       'variables' => [  
           'genres' => $genres,  
           'user' => $user  
       ]  
];
```



## User List

Name	Email	Edit
Jyen	df@gmail.com	<button>Edit Permissions</button>
John	jh@gmail.com	<button>Edit Permissions</button>
Shaun	sh@gmail.com	<button>Edit Permissions</button>
Kate	kt@gmail.com	<button>Edit Permissions</button>
Elly	el@gmail.com	<button>Edit Permissions</button>
JyenH	bd@gmail.com	<button>Edit Permissions</button>
Chocolate	th@gmail.com	<button>Edit Permissions</button>
John	ab@gmail.com	<button>Edit Permissions</button>
Katie	bn@gmail.com	<button>Edit Permissions</button>
Elly	gh@gmail.com	<button>Edit Permissions</button>

```
11 <table>
12   <thead>
13     <th>Name</th>
14     <th>Email</th>
15     <th>Edit</th>
16   </thead>
17
18   <tbody>
19   <?php foreach ($users as $user): ?>
20     <tr>
21       <td><?= $user->username; ?></td>
22       <td><?= $user->email; ?></td>
23       <!-- <t d><a href="/user/permissions?id=<?=$user->id; ?>">Edit Permissions</a></td> JG 6/3/18 DEL1L org
24       <td><button><a href="index.php?user/permissions?id=<?=$user->id; ?>">Edit Permissions</a></button></td>
25     </tr>
26   </tbody>
27 </table>
```

```
<form action="" method="post">
  <?php foreach ($permissions as $name => $value): ?>
    <div>
      <input name="permissions[]" type="checkbox" value="<?=$value?>" <?php if ($User->hasPermission($value)) echo 'checked'; ?> />
      <label><?=ucwords(strtolower(str_replace('_', ' ', $name)))?>
    </div>
  <?php endforeach; ?>
```

```
<input type="submit" value="Submit" />
```

## Edit UyenH's Permissions

- Edit Books
- Delete Books
- Add Genres
- Edit Genres
- Remove Genres
- Edit User Access
- Edit Reviews
- Delete Reviews

Submit

```
public function savePermissions() {
  $user = [
    'id' => $_GET['id'],
    'permissions' => array_sum($_POST['permissions']) ?? []
  ];

  $this->usersTable->save($user);

  //header('location: /user/list'); 6/3/18 JG DEL1L org
  header('location: index.php?user/list'); // 6/3/18 JG MOD1L
}
```

```
public function permissions() {
  $user = $this->usersTable->findById($_GET['id']);

  $reflected = new \ReflectionClass('Ijdb\Entity\User');
  $constants = $reflected->getConstants();

  return ['template' => 'permissions.html.php',
         'title' => 'Edit Permissions',
         'variables' => [
           'User' => $user,
           'permissions' => $constants
         ]
  ];
}
```

## Harry Potter and the Chamber of Secrets



The Dursleys were so mean and hideous that summer that all Harry Potter wanted was to get back to the Hogwarts School for Witchcraft and Wizardry. But just as he's packing his bags, Harry receives a warning from a strange, impish creature named Dobby who says that if Harry Potter returns to Hogwarts, disaster will strike. And strike it does. For in Harry's second year at Hogwarts, fresh torments and horrors arise, including an outrageously stuck-up new professor, Gilderoy Lockhart, a spirit named Moaning Myrtle who haunts the girls' bathroom, and the unwanted attentions of Ron Weasley's younger sister, Ginny. But each of these seem minor annoyances when the real trouble begins, and someone -- or something -- starts turning Hogwarts students to stone. Could it be Draco Malfoy, a more poisonous rival than ever? Could it possibly be Hagrid, whose mysterious past is finally told? Or could it be the one everyone at Hogwarts most suspects... Harry Potter himself?

ISBN: 9780545582926

Publication date: 21st July 1998

[Write a review](#)

Reviews

Total reviews: 7

User: UyenH

Review title: I love it

This book is amazing

Edit

Delete

Read More

User: UyenH

Review title:

DXA FDZSDCC SDVC

Read More

User: UyenH

Review title: I love it

I enjoyed this book because it is packed with action, fantasy and creativity. My favourite part is when Harry is pulled into Riddle's diary and is made to witness the expulsion of his friend Hagrid when he was at Hogwarts 50 years before

Edit

Delete

Read More

Screenshot

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script>
$(".readbtn").on('click', function(){
    $(".content").toggleClass("showContent");
});

//Shorthand if-else statement
var replaceText = $(".content").hasClass("showContent") ? "Read less" : "Read more";
$(this).text(replaceText);
});
</script>
```

```
.content{
    height: 100px;
    overflow: hidden;
}
.content.showContent{
    height: auto;
}
```

```
<div class="book">
    <h2><?=new \Ninja\Markdown($book->title)>->toHtml()?></h2>
    
    <div><?=new \Ninja\Markdown($book->description)>->toHtml()?></div>
    <p>ISBN: <?=$book->ISBN?></p>
    <p>Publication date: <?php
        $date = new DateTime($book->publicationdate);
        echo $date->format('jS F Y');?></p>
</div>
```

```
<button id="addreviewbutton"><a href="index.php?review/edit?bookId=<?=$book->id?>">Write a review</a></button>
<h3 style="text-align: center;">Reviews:</h3>
<h4>Total reviews: <?= $totalReviews ?></h4>
```

```
<table>
    <?php foreach($reviews as $review): ?>
        <tr>
            <td class="one"><h4>User: <?= $review->getUser()->username ?></h4>
                <div style="margin-top: 10px;">Review title: <?=$review->reviewtitle?> </div>
                <div class="content"><?=new \Ninja\Markdown($review->reviewtext)>->toHtml()?>
                </div>
                <a href="javascript:void(0); class="readbtn">Read More</a><br>
            </td>
            <?php if($User): ?>
                <td class="two">
                    <?php if ($User->id == $review->userId || $User->hasPermission(\Ijdb\Entity\User::EDIT_REVIEWS)): ?>
                    <button><a href="index.php?review/edit?id=<?=$review->id?>">Edit</a></button><!-- 6/3/18 JG MODEL -->
                    <?php endif; ?>
                </td>
                <td class="three">
                    <?php if ($User->id == $review->userId || $User->hasPermission(\Ijdb\Entity\User::DELETE_REVIEWS)): ?>
                    <form action="index.php?review/delete" method="post">
                        <input type="hidden" name="id" value="<?=$review->id?>">
                        <input type="submit" value="Delete">
                    </form>
                    <?php endif; ?>
                </td>
            <?php endif; ?>
        <?php endforeach; ?>
    </table>
```

```
public function review(){
    $page = $_GET['page'] ?? 1;
    $offset = ($page-1)*5;

    if (isset($_GET['bookId'])) {
        $book = $this->bookTable->findById($_GET['bookId']);
        $reviews = $book->getReviews($offset);
        //UHO new ll: get total number of reviews
        $totalReviews = $book->getNumReviews();
    }
    $title = 'Review';
    $user = $this->authentication->getUser();
    //usort($reviews, [$this, 'sortReviews']);
    return ['template' => 'reviews.html.php',
        'title' => $title,
        'variables' => [
            'reviews' => $reviews,
            'totalReviews' => $totalReviews,
            'currentPage' => $page,
            'user' => $user,
            'book' => $book,
            'bookId' => $_GET['bookId'] ?? null
        ],
    ];
}
```

## UyenH's Review List

Total reviews: 6

**Harry Potter and the Chamber of Secrets**

This book is amazing

[Edit](#)[Delete](#)**Harry Potter and the Chamber of Secrets**

DXA FDZSDCC SDVC

[Edit](#)[Delete](#)**Harry Potter and the Chamber of Secrets**

I enjoyed this book because it is packed with action, fantasy and creativity. My favourite part is when Harry is pulled into Riddle's diary and is made to witness the expulsion of his friend Hagrid when he was at Hogwarts 50 years before.

[Edit](#)[Delete](#)

There are not many people who haven't read this series but I would recommend this to anyone who loves fantastical stories and it is definitely worth 5 stars.

**Harry Potter and the Chamber of Secrets**

great book. i grew up during the time the books were being released but for some reason never read them at the time. i saw every movie and i loved them all. just recently i decided to start reading, the first one was free as a prime member so i thought 'why not?'. i asked my friends if i should read them even though i essentially knew what happened because i had seen the movies. they all said yes and they were right. the details are great, it makes you wish certain things from the book made it into the movies. my goal is to at least read a couple more books (it took a month each to finish the first two, just reading when i had some time) this year. it would be even better to finish the complete series but i know the books get longer so we'll see about that

[Edit](#)[Delete](#)**This book is deleted**

hhhhdsdhfci Hu uhukzhvk hkhzkgfvksjzbdu

**This book is deleted**

I love this book

[Screenshot](#)

```

71
72
73
74
75
76
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89
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95
96
97

    public function delete() {
        $user = $this->authentication->getUser();

        $review = $this->reviewTable->findById($_POST['id']);
        if($review->bookId != null){
            $bookId = $review->bookId;
        }
        else{
            $bookId = null;
        }
        if ($review->userId != $user->id && !$user->hasPermission(\Ijdb\Entity\User::DELETE_BOOKS) ) {
            return;
        }

        $this->reviewTable->delete($_POST['id']); // 6/13/18 JG delete a row at the parent table

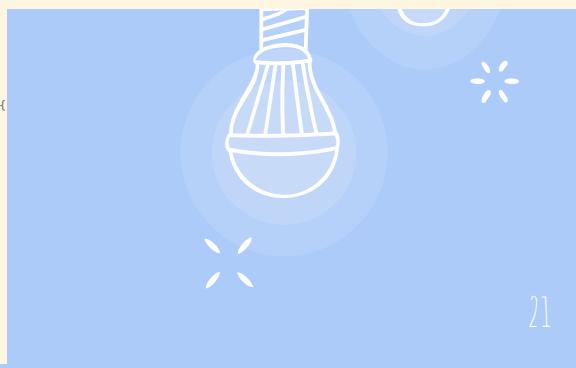
        //header('location: /book/list'); 5/25/18 JG DEL 1L: org
        if($bookId == null){//if book is deleted
            header('location: index.php?review/list');
        }
        else{//if book is not deleted
            header('location: index.php?book/review?bookId=' . $bookId);
        }
    }
}

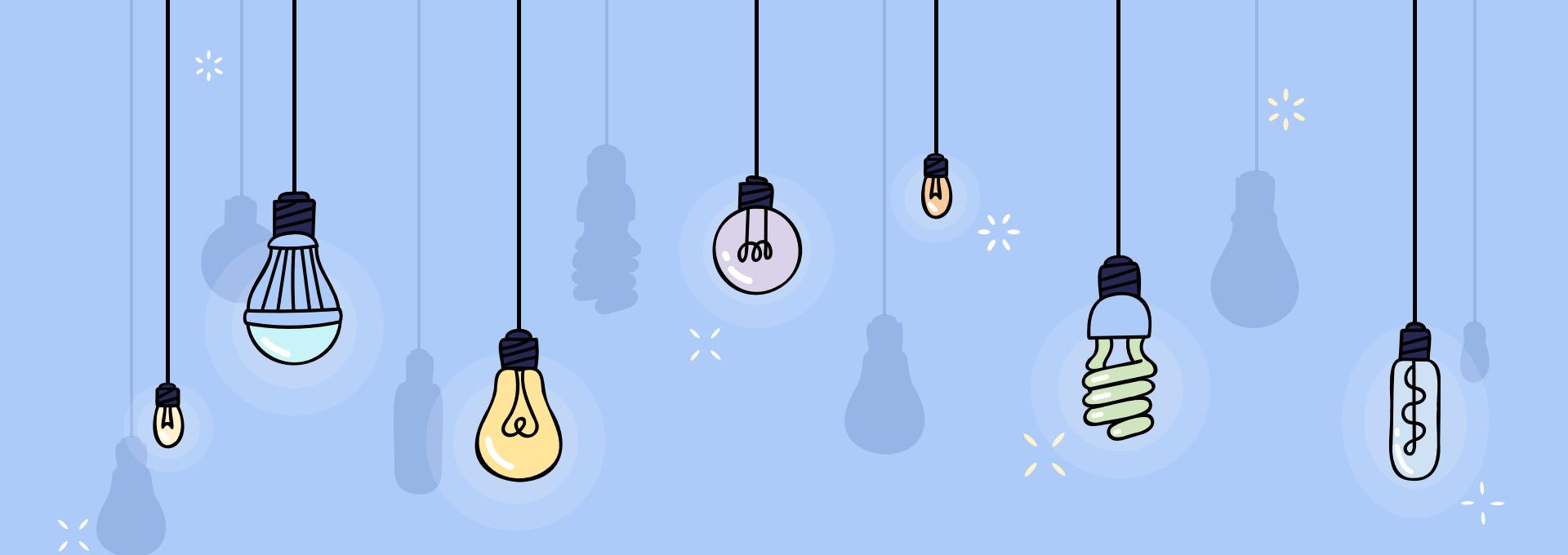
```

```

38 <h2 style="text-align: center;">?= $User->username?'s Review List</h2>
39 <h4>Total reviews: ?= $totalReviews ?</h4>
40 <table>
41 <?php foreach($reviews as $review): ?>
42 <tr>
43     <td class="one">?
44     <?php if ($review->getBooks()->title != null): ?>
45         <?= (new \Ninja\Markdown($review->getBooks()->title))->toHtml()?>
46     <?php else: ?>
47         This book is deleted
48     <?php endif; ?>
49 </td>
50 <div><?= (new \Ninja\Markdown($review->reviewtext))->toHtml()?></div></td>
51
52 <?php if($User): ?>
53     <td class="two">?
54     <?php if ($User->id == $review->userId || $User->hasPermission(\Ijdb\Entity\User::EDIT_REVIEWS)): ?>
55         <button><a href="index.php?review/edit?id=<?=$review->id?>">Edit</a></button>!-- 6/3/18 JG MODIF -->
56     <?php endif; ?>
57 </td>
58     <td class="three">?
59     <?php if ($User->id == $review->userId || $User->hasPermission(\Ijdb\Entity\User::DELETE_REVIEWS)): ?>
60         <form action="index.php?review/delete" method="post">
61             <input type="hidden" name="id" value="<?=$review->id?>">
62             <input type="submit" value="Delete">
63         </form>
64     <?php endif; ?>

```





# TESTING

# BOOK LIST

Dimensions: iPad ▾ 768 x 1024 50% ▾ No throttling

**Book Review**

Home Your reviews Manage Book ↓ Manage genre ↓ Users List About Us Contact Us Log out

**Book Genre** 11 books

If you select multiple genres you can find book/books with all those genre

fantasy  
 Comedy  
 Romance  
 Mystery  
 Adventure  
 Horror  
 LGBT

**Add Book**

**Red, White & Royal Blue**  
Author: Casey  
Publication date: 14th May 2019  
**Edit** **Delete**

**Thrown to the Wolves**  
Author: Charlie Adhara  
Publication date: 12th April 2019  
**Edit** **Delete**

**The Wolf at Bay**  
Author: Charlie Adhara  
Publication date: 12th April 2019  
**Edit** **Delete**

**Book Review**

Log out

Home Your reviews Manage Book ↓ Manage genre ↓ Users List About Us Contact Us

**Book Genre** 11 books

If you select multiple genres you can find book/books with all those genre

fantasy  
 Comedy  
 Romance  
 Mystery  
 Adventure  
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 LGBT

**Add Book**

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Author: Casey  
Publication date: 14th May 2019  
**Edit** **Delete**

**Thrown to the Wolves**  
Author: Charlie Adhara  
Publication date: 12th April 2019  
**Edit** **Delete**

**The Wolf at Bay**  
Author: Charlie Adhara  
Publication date: 12th April 2019  
**Edit** **Delete**

**Screenshot**

Lightbulb icon

Find Book

# ✳ ADD/EDIT BOOK

Entry, Sign In, Log Out

## Book Review



Log out

Home Your reviews Manage Book ↓ Manage genre ↓ Users List About Us Contact Us

Book title: Red, White & Royal Blue

Book image: Choose File No fil...hosen 

Book Description: First Son Alex Claremont-Diaz is the closest thing to a

Book author: Casey

Book ISBN:

Book publication date: 05/14/2019

Select genres for this book:

fantasy  
 Comedy  
 Romance  
 Mystery  
 Adventure  
 Horror  
 LGBT

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Home Your reviews Manage Book ↓ Manage genre ↓ Users List About Us Contact Us

Book title: Red, White & Royal Blue

Book image: Choose File No fil...hosen 

Book Description: First Son Alex Claremont-Diaz is the closest thing to a

Book author: Casey

Book ISBN:

Book publication date: 05/14/2019

Select genres for this book:

fantasy  
 Comedy  
 Romance  
 Mystery  
 Adventure  
 Horror  
 LGBT

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Book title: Red, White & Royal Blue

Book image: Choose File No fil...hosen 

Book Description: First Son Alex Claremont-Diaz is the closest thing to a

Book author: Casey

Book ISBN:

Book publication date: 05/14/2019

Select genres for this book:

fantasy  
 Comedy  
 Romance  
 Mystery  
 Adventure  
 Horror  
 LGBT

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Screenshot

# GENRE LIST

PlayPoint : 59 login - 1



Log out



Manage genre

Users List

About Us

Contact Us

Home Your reviews Manage Book ↓

Manage genre ↓

Users List

About Us

Contact Us

Home

Your reviews

Manage Book ↓

Manage genre ↓

Users List

About Us

Contact Us

## Genres

Add Genre

fantasy

Edit

Delete

Comedy

Edit

Delete

Romance

Edit

Delete

Mystery

Edit

Delete

Adventure

Edit

Delete

Horror

Edit

Delete

LGBT

Edit

Delete

Screenshot

## Genres

Add Genre

fantasy

Edit

Delete

Comedy

Edit

Delete

Romance

Edit

Delete

Mystery

Edit

Delete

Adventure

Edit

Delete

Horror

Edit

Delete

LGBT

Edit

Delete

Screenshot

## Genres

Add Genre

fantasy

Edit

Delete

Comedy

Edit

Delete

Romance

Edit

Delete

Mystery

Edit

Delete

Adventure

Edit

Delete

Horror

Edit

Delete

LGBT

Edit

Delete

# \* ADD/EDIT GENRE



Book Review

Home Your reviews Manage Book ↓ Manage genre ↓ Users List About Us Contact Us

Enter genre name:  Save

Log out



Book Review

Home Your reviews Manage Book ↓ Manage genre ↓ Users List About Us Contact Us

Enter genre name:  Save

Log out

Screenshot



Manage Book ↓ Manage genre ↓

---

Users List

---

About Us

Contact Us

Enter genre name:  Save

© Book Review 2021 Home Your reviews Book List Add Book Genre List Add Genre Users List About Us Contact Us

Screenshot

Book List

# USER LIST

The image displays two wireframe prototypes of a 'User List' page, likely from a design process. Both prototypes have a header with a logo, navigation links (Home, Your reviews, Manage Book, Manage genre, Users List, About Us, Contact Us), and a 'Log out' button.

**Left Prototype:** This version has a 'User List' section centered below the navigation. It contains a table with columns for Name, Email, and Edit. Each row shows a name and email, followed by an 'Edit Permissions' button. The 'Edit' button is positioned to the right of the 'Email' column.

Name	Email	Edit
Uyen	df@gmail.com	Edit Permissions
John	jh@gmail.com	Edit Permissions
Shaun	sh@gmail.com	Edit Permissions
Kate	kt@gmail.com	Edit Permissions
Elly	el@gmail.com	Edit Permissions
UyenH	bd@gmail.com	Edit Permissions
Chocolate	th@gmail.com	Edit Permissions
John	ab@gmail.com	Edit Permissions
Katie	bn@gmail.com	Edit Permissions
Elly	gh@gmail.com	Edit Permissions

**Right Prototype:** This version has a 'User List' section centered below the navigation. It contains a table with columns for Name, Email, and Edit. Each row shows a name and email, followed by an 'Edit Permissions' button. The 'Edit' button is positioned to the right of the 'Email' column.

Name	Email	Edit
Uyen	df@gmail.com	Edit Permissions
John	jh@gmail.com	Edit Permissions
Shaun	sh@gmail.com	Edit Permissions
Kate	kt@gmail.com	Edit Permissions
Elly	el@gmail.com	Edit Permissions
UyenH	bd@gmail.com	Edit Permissions
Chocolate	th@gmail.com	Edit Permissions
John	ab@gmail.com	Edit Permissions
Katie	bn@gmail.com	Edit Permissions
Elly	gh@gmail.com	Edit Permissions

Both prototypes include a footer with the text: © Book Review 2021 Home Your reviews Book List Add Book Genre List Add Genre Users List About Us Contact Us.

s: iPhone X ▾ 375 x 812 75% ▾ No

User List		
Name	Email	Edit
Uyen	df@gmail.com	Edit Permissions
John	jh@gmail.com	Edit Permissions
Shaun	sh@gmail.com	Edit Permissions
Kate	kt@gmail.com	Edit Permissions
Elly	el@gmail.com	Edit Permissions
UyenH	bd@gmail.com	Edit Permissions
Chocolate	th@gmail.com	Edit Permissions
John	ab@gmail.com	Edit Permissions
Katie	bn@gmail.com	Edit Permissions
Elly	gh@gmail.com	Edit Permissions
John	ab@gmail.com	Edit Permissions
Katie	bn@gmail.com	Edit Permissions

# EDIT PERMISSION

The screenshot shows the Book Review application's interface. At the top, there is a logo of an open book labeled "Book Review" and a "Log out" button. Below the header, a navigation bar contains links for Home, Your reviews, Manage Book, Manage genre, Users List, About Us, and Contact Us. The main content area is titled "Edit UyenH's Permissions" and lists several checkboxes for managing permissions:

- Edit Books
- Delete Books
- Add Genres
- Edit Genres
- Remove Genres
- Edit User Access
- Edit Reviews
- Delete Reviews

A "Submit" button is located at the bottom of the form.

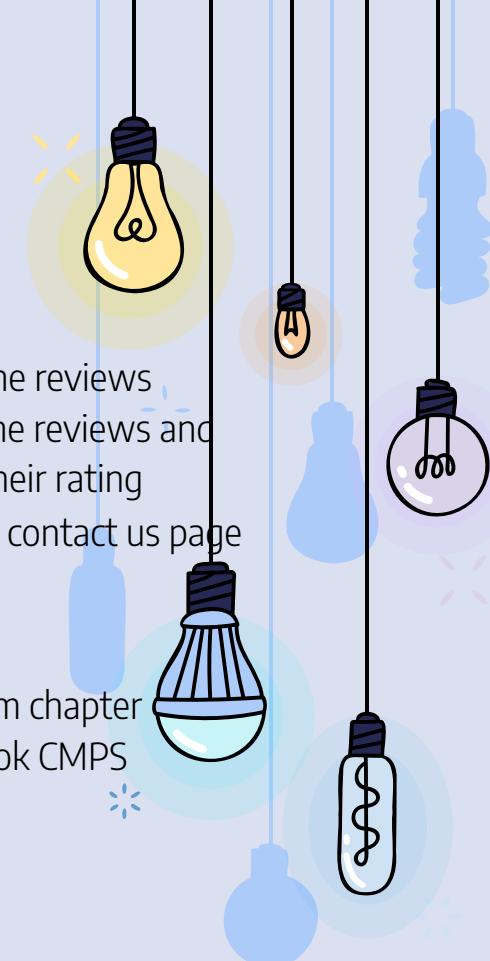
This screenshot is identical to the one on the left, showing the "Edit UyenH's Permissions" page with the same list of checked permissions and a "Submit" button.

This screenshot is identical to the others, showing the "Edit UyenH's Permissions" page. It includes a sidebar on the right with links for Home, Your reviews, Manage Book, Manage genre, Users List, About Us, and Contact Us. A "Screenshot" button is located at the bottom right of the main content area.



# DEMO

# CONCLUSION



## Lesson learned

- + Learn more about PHP, SQL skills
- + New skills: jQuery
- + Debug php code
- + GoDaddy web service
- + [Justinmind app](#)

## Courses:

- + CMPS 219: Publishing on the web 1
  - + CMPS 319: Publishing on the web 2
  - + CMPS 320: Internet Apps
- Development

## Limitation

- + Unable to rate the reviews
- + Unable to sort the reviews and books base on their rating
- + Home, about us, contact us page are too simple

## Framework

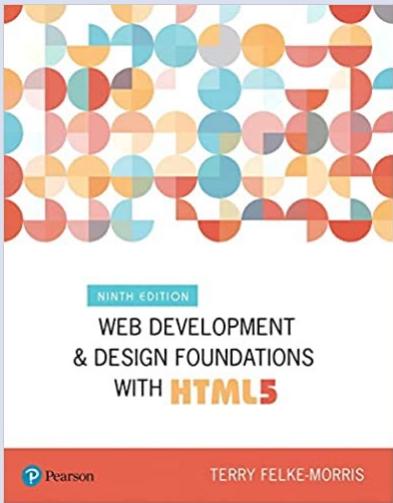
- + PHP project from chapter 14 in the textbook CMPS 320

## Future improvement

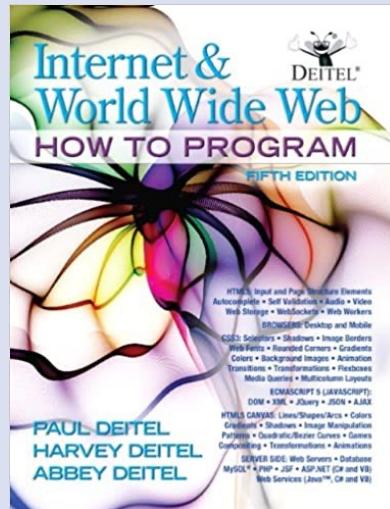
- + Develop the genre select form to a search form so user can filtering books by genres, publication date, and author at the same time
- + Implement rating systems using JavaScript/jQuery and store the rating data to MySQL database
- + Using bootstrap or W3 school for HTML and CSS

# REFERENCE

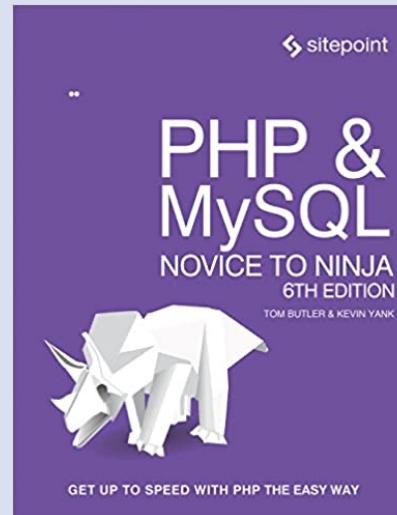
Felke-Morris, Terry. *Web Development and Design Foundations with HTML5*. Pearson, 2018.



Deitel, Paul, et al. *Internet and World Wide Web*. Pearson, 2012.

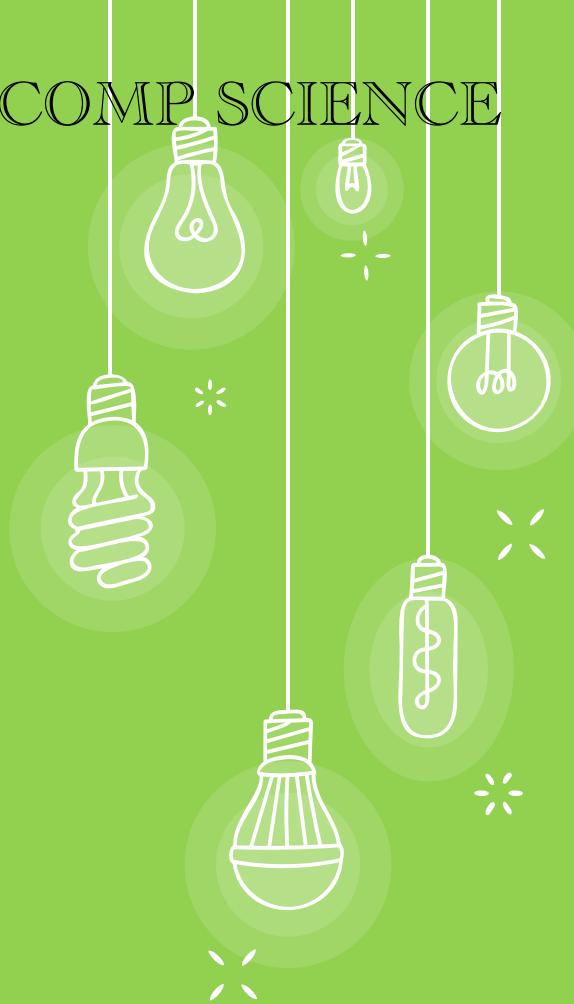


Butler, Tom. *PHP & MySQL: Novice To Ninja: Get Up To Speed With PHP The Easy Way*. 6th ed., Site Point, 2017.



THANK YOU TO ALL PROFESSORS IN COMP SCIENCE  
& ENGINEERING DEPARTMENT

Thank you Professor Goetz



Please feel free to ask me any questions or giving me any suggestions, I appreciate that

