



Project on Library Management

Group Member

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Introduction

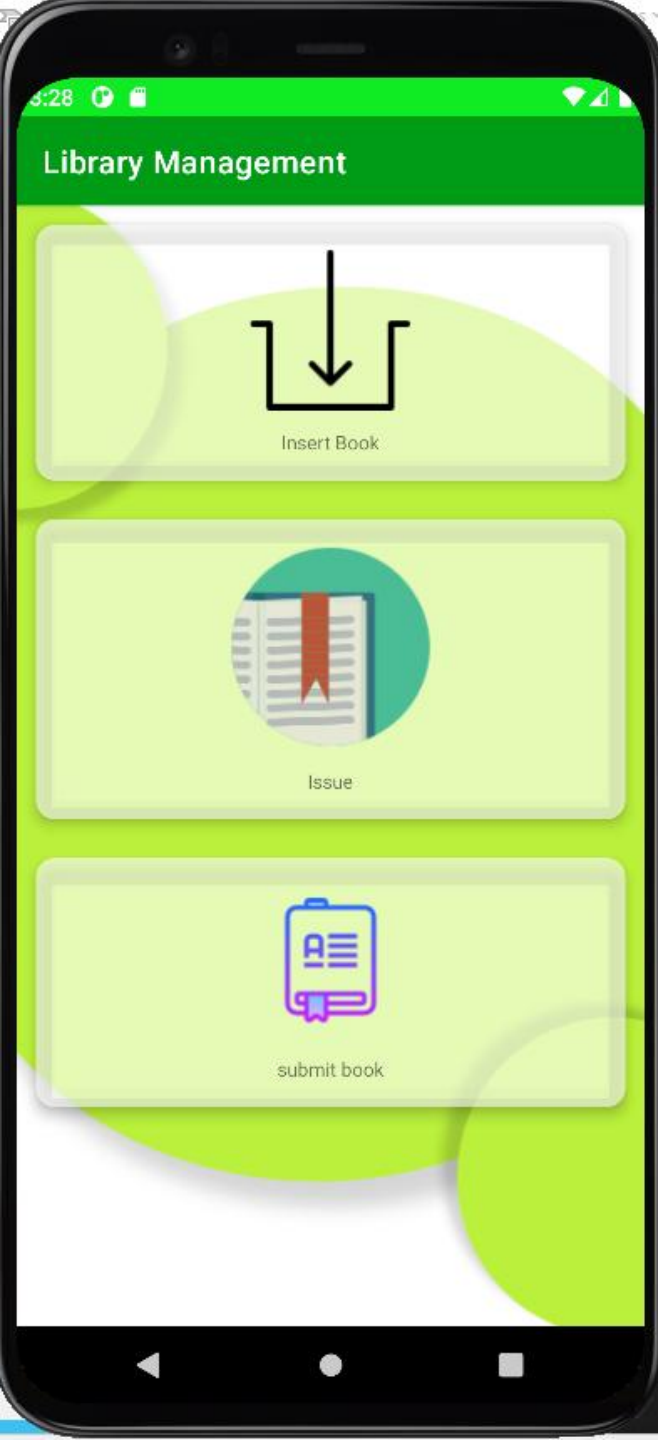
In this presentation we are going explain about our Project that is library management.



Project on

Library Management

Using
Java,PHP,SQL,NoSQL .



This the GUI interface
of our project.

That is build using JAVA,PHPSCRIPT.
Here some new library, design, logo ,font is
used in this project. Also It is a Native
Android Apps

Benefit

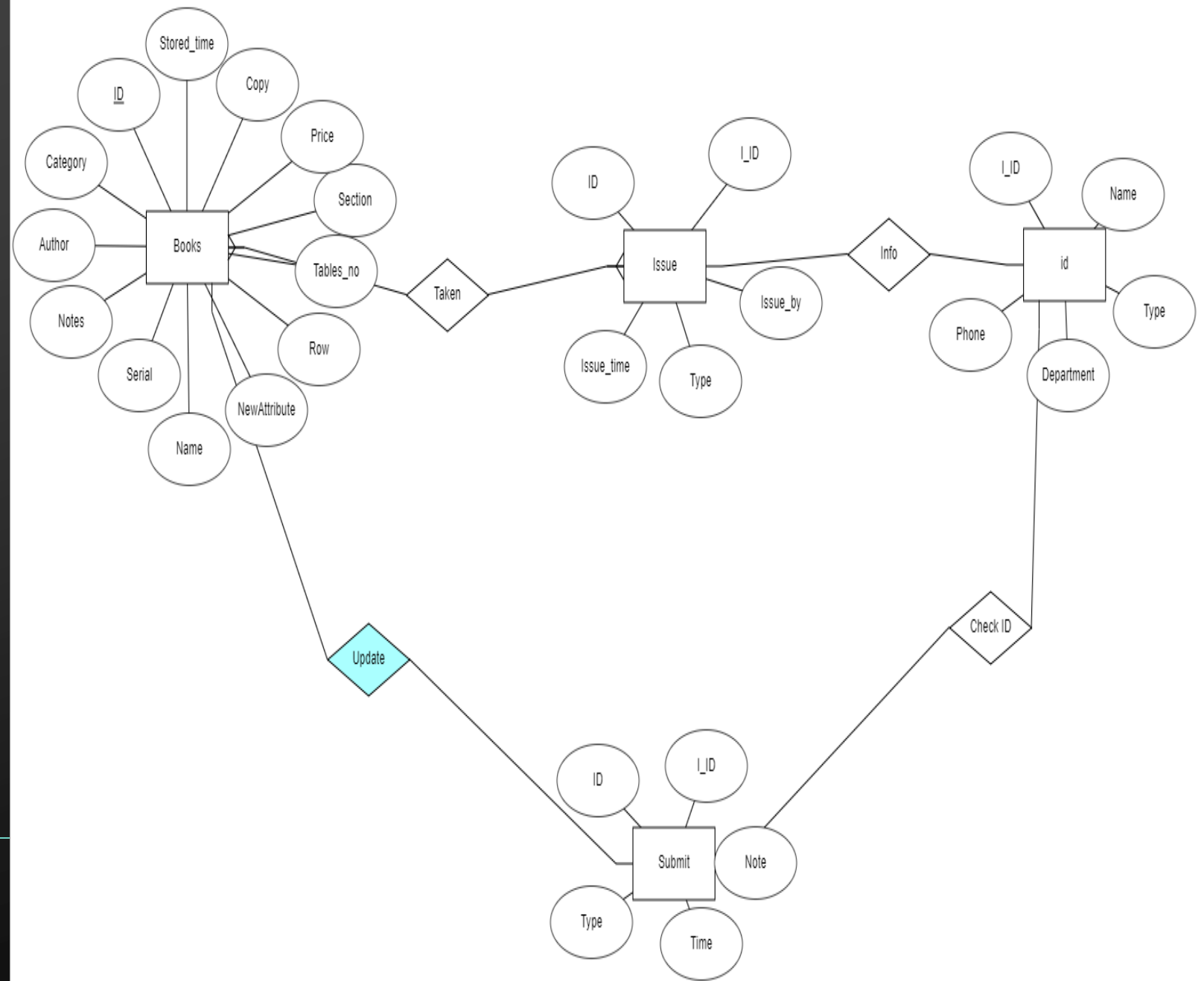
We can able to Write Data into Our SQL
Database and store it

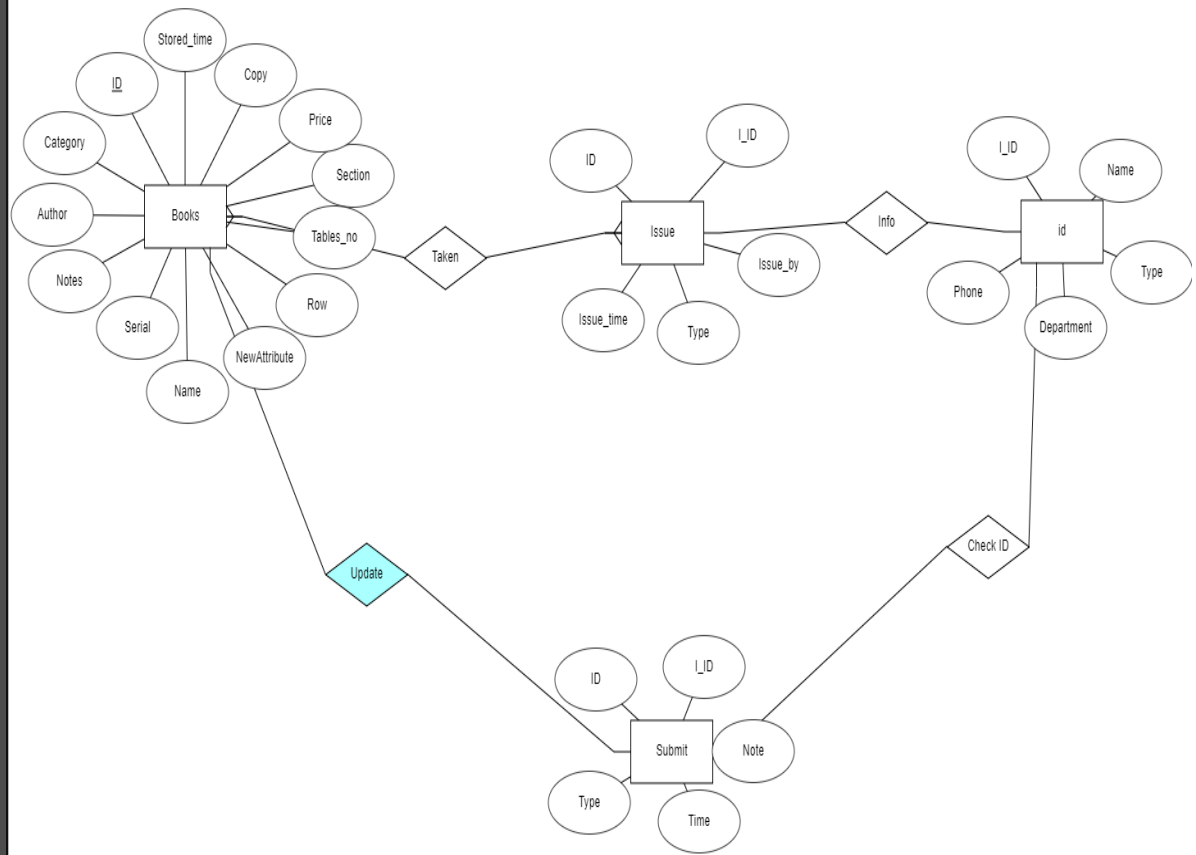


Requirements:

- Android Studio
- XAMMP
- Operating System
Windows/Linux
distribution(kali/ubuntu/
parot/mint)/Mac
- PHP SCRIPT, Firebase
addon for Nosql

ER DIAGRAM





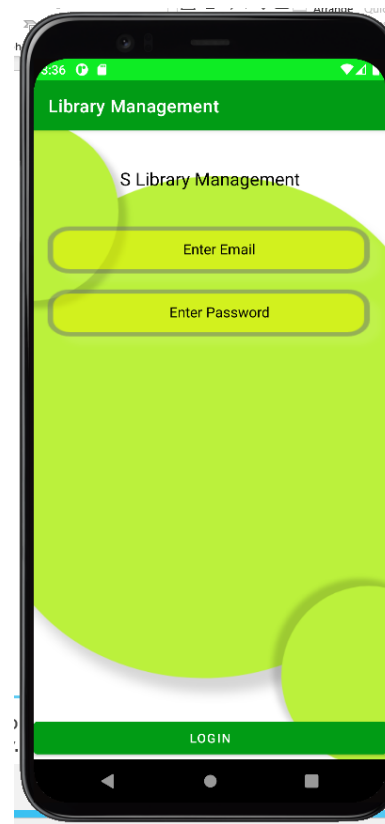
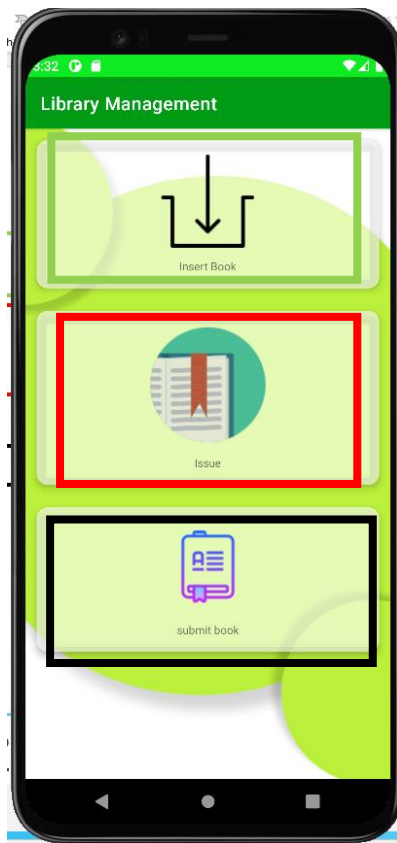
Book_list
ID
Serial
Name
Author
Category
Date_store
Copy
Table
Row
Section
Price
Notes

issue
ID
I_ID
DATE
TYPE
ISSUE_BY

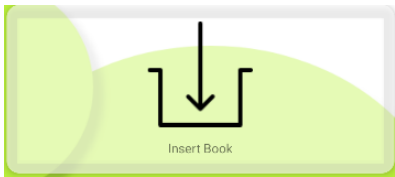
submit
ID
I_ID
TYPE
NOTE
DATE_SUBMIT

id
I_ID
NAME
type
Department
Phone

SCHEMA

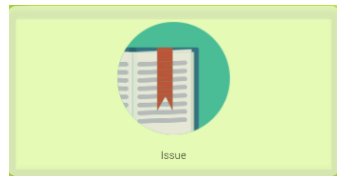


Here in Login page we use
Nosql Firebase
For login



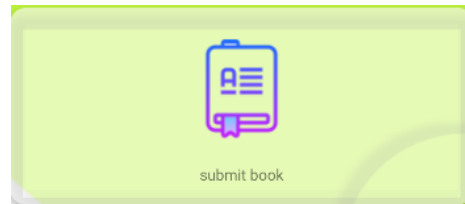
Insert Book

Here in Book List
table, New Book will be
added



ISSUE

Here new issue will be
added in issue table and
book list will be updated
and ID table will be update



Submit Book

Submit table data will be
added and book list
table will be updated

Meet - ykr-kphv-tos | Book Icons - Free Vector Downl... | turing - Authentication - Fireba...

https://console.firebase.google.com/u/0/pr...

turing ▾ Go to docs

Authentication

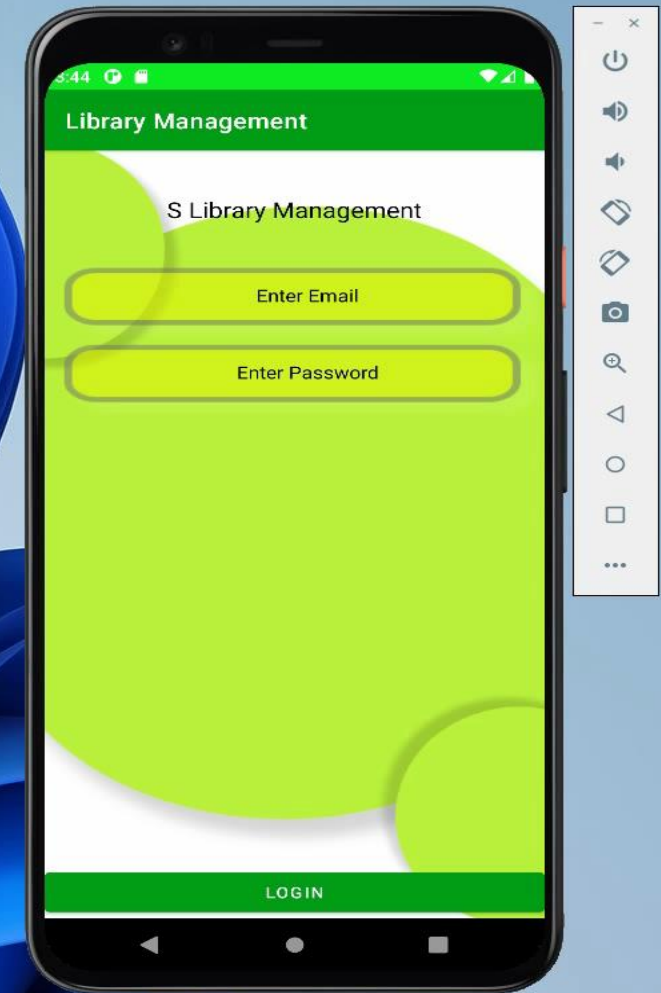
Users Sign-in method Templates Usage

Prototype and test end-to-end with the Local Emulator Suite, now with Firebase Authentication [Get started](#)

Search by email address, phone number, or user UID [Add user](#)

Identifier	Providers	Created ↓	Signed In	User UID
jaser@gmail.com		Jan 22, 2022	Jan 22, 2022	j1aaGzwIEuT6oZ9PGOdAbvbt7vX2

Rows per page: 50 1 - 1 of 1



Here we are showing live demonstration of the App Login using Nosql.

Live demonstration

NAME OR LOGO

localhost / 127.0.0.1 / libraryman

phpMyAdmin

Server: 127.0.0.1 » Database: librarymanagement » Table: book_list

Browse

Structure

SQL

Search

Insert

Export

Import

Privileges

Operations

Triggers

Showing rows 0 - 11 (12 total, Query took 0.0004 seconds.)

SELECT * FROM `book_list`

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

ID

NAME

AUTHOR

CATEGORY

DATE_STORE

COPY

TABLE

ROW

SECTION

PRICE

NOTES

☐

Edit

Copy

Delete

1

Fundamental of physics

Walker

PHYSICS

2020-01-08

10

4

3

A

1250

10th Edition Wiley

☐

Edit

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Delete

2

Database System Concept

Silberschatz Korth Sudarshan

Computer Science

2021-04-16

8

2

6

C

2500

7th Edition,MC Graw Hill Education

☐

Edit

Copy

Delete

3

Data Structure A Pseudocode Approach with C

Richard F Gilberg and Behrouz A Forouzan

Computer Science

2022-02-16

3

4

3

C

950

2nd Edition, Indian

☐

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4

Digital Logic and Computer Design

M. Morris Mano

Computer Science

2021-01-27

2

4

3

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1120

Eastern Economy Edition,2019-2020

☐

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5

Database System The Complete Book

Hector Garcia-Molina and Jeffrey D.Ullman and Jenn...

Computer Science

2021-12-10

9

4

3

C

800

Second Edition, Original is damaged

☐

Edit

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Delete

6

Calculus

Anton Bivens Davis

Math

2020-01-08

10

1

1

B

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10th Edition,Import from USA

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Edit

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7

Python Crash Course

Eric Matthes

Computer Science

2021-01-27

5

4

3

C

450

2nd Edition,Online copy write

☐

Edit

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Delete

9

Chemistry with Fun

9

SCIENCE

2022-01-22

7

4

3

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2021 Edition

☐

Edit

Copy

Delete

15

Chemistry Master

Khan Shahan

Science

2022-01-26

2

4

2

C

330

Rare Book

☐

Edit

Copy

Delete

25

Chemistry Secret

khan ali

SCIENCE

2020-01-08

0

4

3

C

230

rare book

☐

Edit

Copy

Delete

40

NAIMA

CSE

SCI

2022-02-16

4

4

3

A

190

2021

☐

Edit

Copy

Delete

113

xczxczx

113

PHYSICS

2022-01-09

11

3

2

C

233

dsadasdas

☐ Check all

With selected:

Edit

Copy

Delete

Export

Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Query results operations

Copy to clipboard

Export

Display chart

Create view

bookupdate2.php

dbconnect.php

bookcheck.php

Library Management

ECONOMICS

6

8

2

D

850

2020 Edition

SUBMIT

Here we are showing live demonstration of storing new Books in SQL Database.

Live demonstration

NAME OR LOGO

```

function createbook($ID,$NAME,$AUTHOR,$CATEGORY,$DATE_STORE
,$COPY,$TABLE,$ROW,$SECTION,$PRICE,$NOTES){
    $stmt = $this->con->prepare("INSERT INTO `book_list`(
        `ID`,`NAME`,`AUTHOR`,`CATEGORY`,`DATE_STORE`,
        `COPY`,`TABLE`,`ROW`,`SECTION`,`PRICE`,`NOTES`) VALUES
        (?,?,?,?,?,?,?,?,?,?,?,?,?);");
    $stmt->bind_param("ssssssssss",$ID,$NAME,$AUTHOR,$CATEGORY,$DATE_STORE
,$COPY,$TABLE,$ROW,$SECTION,$PRICE,$NOTES);

    if( $stmt->execute()){
        return true;
    }else{
        return false;
    }
}

```

Here we are showing The code of PHP and SQL
for Storing data in database

```

v1 > createbook.php
3  require_once '../includes/dboperation.php';
4
5  $response =array();
6
7  if($_SERVER['REQUEST_METHOD']=='POST'){
8      if(isset($_POST['ID']) &&
9          isset($_POST['NAME']) &&
10             isset($_POST['AUTHOR']) &&
11             isset($_POST['CATEGORY']) &&
12             isset($_POST['DATE_STORE']) &&
13             isset($_POST['COPY']) &&
14             isset($_POST['TABLE']) &&
15             isset($_POST['ROW']) &&
16             isset($_POST['SECTION']) &&
17             isset($_POST['PRICE']) &&
18             isset($_POST['NOTES'])){
19          }{
20              $db = new dboperation();
21              if($db->createbook(
22                  $_POST['ID'],
23                  $_POST['NAME'],
24
25                  $_POST['AUTHOR'],
26                  $_POST['CATEGORY'],
27                  $_POST['DATE_STORE'],
28                  $_POST['COPY'],
29                  $_POST['TABLE'],
30                  $_POST['ROW'],
31                  $_POST['SECTION'],
32                  $_POST['PRICE'],
33                  $_POST['NOTES']
34
35              )){
36                  $response['error'] = false;
37                  $response['message']="New Book listed Sucessfully";
38              }else{
39                  $response['error']=true;
40                  $response['message']="new book is not listed";
41              }
42          }else{
43              $response['error']=true;
44              $response['message']="Required Fields are missing";
45          }
46      }else{
47          $response['error']=true;
48          $response['message']="Invalid Request";
49      }
50  }
51

```

API

localhost / 127.0.0.1 / libraryman

Server: 127.0.0.1 » Database: librarymanagement » Table: id

Showing rows 0 - 1 (2 total, Query took 0.0003 seconds.)

```
SELECT * FROM `id`
```

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

Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

	I_ID	NAME	TYPE	DEPARTMENT	PHONE
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	156	NAIMA	teacher	CSE	155
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2017265111	naimul	Student	CSE	1558255612

Check all | With selected: Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

localhost / 127.0.0.1 / libraryman

Server: 127.0.0.1 » Database: librarymanagement »

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 11 (12 total, Query took 0.0014 seconds.)

```
SELECT * FROM `issue`
```

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

Show all | Number of rows: 25

+ Options

ID	I_ID	DATE	TYPE	ISSUE_BY
25	156	2020-01-08	STUDENT	RAFIT
3	30125	2022-01-08	Student	mahin alam
4	30125	2022-01-08	Teacher	mahin alam
113	25673	2022-01-09	Student	jaser
4	264	2022-01-21	Student	Nasrin
4	325	2022-01-21	Student	nasrin
4	698	2022-01-21	Student	faisal
3	2018360111	2022-01-22	Student	NASRIN
3	201836055	2022-01-22	Student	NOUMIN
3	2017360111	2022-01-22	Student	NOUMIN
3	2016260444	2022-01-22	Student	Noumin
3	2017265111	2022-01-22	Student	naimul

Show all | Number of rows: 25

Query results operations

Print Copy to clipboard Export Display chart Create view

Console

Library Management

Insert Book

Issue

submit book

Windows Security

Windows Security

Unauthorised changes blocked

Controlled folder access blocked yct.exe from making changes. Click to see settings.

Dismiss

04:15 22/01/2022

Here we are showing live demonstration of storing ISSUE and ID data in SQL Database.

Live demonstration

NAME OR LOGO

```

public function bookcheck($ID){
    $stmt = $this->con->prepare("SELECT ID FROM book_list
    WHERE ID =? ");
    $stmt->bind_param("s",$ID);
    $stmt->execute();
    $stmt->store_result();
    return $stmt->num_rows > 0;
}

public function bookcheck2($ID){
    $stmt = $this->con->prepare("SELECT * FROM book_list
    WHERE ID =?");
    $stmt->bind_param("s",$ID);
    $stmt->execute();
    return $stmt->get_result()->fetch_assoc();
}

```

```

function createstudent($I_ID,$NAME,$TYPE,$DEPARTMENT,$PHONE){
    $stmt = $this->con1->prepare("INSERT INTO `id`(`I_ID`,`NAME`,`TYPE`,`DEPARTMENT`,`PHONE`) VALUES
    (?,?,?,?,?);");
    $stmt->bind_param("sssss",$I_ID,$NAME,$TYPE,$DEPARTMENT,$PHONE);

    if( $stmt->execute()){
        $stmt->store_result();
        return true;
    }else{
        return false;
    }
}

```

```

function issueby($ID,$I_ID,$DATE,$TYPE,$ISSUE_BY){
    $stmt = $this->con1->prepare("INSERT INTO `issue`(`ID`,`I_ID`,`DATE`,`TYPE`,`ISSUE_BY`) VALUES
    (?,?,?,?,?);");
    $stmt->bind_param("sssss",$ID,$I_ID,$DATE,$TYPE,$ISSUE_BY);

    if( $stmt->execute()){
        $stmt->store_result();
        return true;
    }else{
        return false;
    }
}

```

Here we are showing The code of PHP and SQL for Storing data in ISSUE TABLE and ID TABLE

```

v1 > bookcheck.php
<?php
require_once '../includes/dboperation.php';

$response =array();

if($_SERVER['REQUEST_METHOD']=='POST'){
    if(isset($_POST['ID'])){
        $db = new dboperation();
        if($db->bookcheck($_POST['ID'])){
            $book_list = $db->bookcheck2($_POST['ID']);
            if($book_list['COPY']==0){
                $response['error'] = true;
                $response['message']="There is no copy in the library";
            }
            if($book_list['COPY']>0){
                $response['error']=false;
                $response['ID'] = $book_list['ID'];
                $response['COPY'] = $book_list['COPY'];
            }
        }else{
            $response['error'] = true;
            $response['message']="There is no copy in the library";
        }
    }else{
        $response['error'] = true;
        $response['message']="Something Missig";
    }
}

echo json_encode($response);

```

```

v1 > createstudent.php
<?php
require_once '../includes/dboperation.php';

$response =array();

if($_SERVER['REQUEST_METHOD']=='POST'){
    if(isset($_POST['I_ID']) &&
    isset($_POST['NAME']) &&
    isset($_POST['TYPE']) &&
    isset($_POST['DEPARTMENT']) &&
    isset($_POST['PHONE'])){
        $db = new dboperation();
        if($db->createstudent(
            $_POST['I_ID'],
            $_POST['NAME'],
            $_POST['TYPE'],
            $_POST['DEPARTMENT'],
            $_POST['PHONE']){
            $response['error'] = false;
            $response['message']="New Student listed Sucessfully";
        }else{
            $response['error']=true;
            $response['message']="new Student is not listed";
        }
    }else{
        $response['error']=true;
        $response['message']="Required Fields are missing";
    }
}

echo json_encode($response);

```

API

The image is a composite of four main components:

- Top Left (Web Browser):** Shows a MySQL query result for the 'submit' table. The query is `SELECT * FROM `submit``. The result is an empty set. The status bar indicates 'MySQL returned an empty result set (i.e. zero rows). (Query took 0.0010 seconds.)'
- Top Right (Web Browser):** Shows a MySQL query result for the 'book_list' table. The query is `SELECT * FROM `book_list``. The result shows 12 rows. The status bar indicates 'Showing rows 0 - 11 (12 total, Query took 0.0006 seconds.)'
- Center (aTube Catcher):** A video recording software window. It shows settings for recording: 'Stereo Mix (Realtek(R) Audio)', 'WMMV' format, and 'C:\Users\abdur\Videos' folder. It also shows a list of recorded videos with columns for File, Length, Size, and Recorded.
- Bottom Right (Mobile App):** A mobile application interface titled 'Library Management'. It displays a list of books with columns for ID, I_ID, TYPE, NOTE, DATE, and SUBMIT. The app shows a 'Student' dropdown menu and a 'No Damaged' status. A 'CONTINUE' button is at the bottom.

Here we are showing live demonstration of storing new people who submit the book in SQL Database.

Live demonstration

NAME OR LOGO

```

public function bookcheck($ID){
    $stmt = $this->con->prepare("SELECT ID FROM book_list
    WHERE ID =? ");
    $stmt->bind_param("s",$ID);
    $stmt->execute();
    $stmt->store_result();
    return $stmt->num_rows > 0;
}

public function bookcheck2($ID){
    $stmt = $this->con->prepare("SELECT * FROM book_list
    WHERE ID =?");
    $stmt->bind_param("s",$ID);
    $stmt->execute();
    return $stmt->get_result()->fetch_assoc();
}

function bookupdate($ID){
    $stmt = $this->con->prepare("UPDATE book_list
    SET COPY = COPY - 1
    WHERE ID =$ID
    and COPY > 0");
    // $stmt->bind_param("s",$ID);

    if( $stmt->execute()){
        $stmt->store_result();
        return true;
    }else{
        return false;
    }
}

function bookupdate2($ID){
    $stmt = $this->con->prepare("UPDATE book_list
    SET COPY = COPY + 1
    WHERE ID =$ID
    and COPY >= 0");
    // $stmt->bind_param("s",$ID);

    if( $stmt->execute()){
        $stmt->store_result();
        return true;
    }else{
        return false;
    }
}

```

Here we are showing The code of PHP and SQL for Storing data in Submit TABLE and update book list table

```

v1 > submit.php
1 <?php
2
3 require_once '../includes/dboperation.php';
4
5 $response =array();
6
7 if($_SERVER['REQUEST_METHOD']=='POST'){
8     if(isset($_POST['ID']) &&
9         isset($_POST['I_ID']) &&
10         isset($_POST['TYPE']) &&
11         isset($_POST['NOTE']) &&
12         isset($_POST['DATE_SUBMIT']))
13
14
15     ){
16         $db = new dboperation();
17         if($db->submitto(
18             $_POST['ID'],
19             $_POST['I_ID'],
20             $_POST['TYPE'],
21             $_POST['NOTE'],
22             $_POST['DATE_SUBMIT'],
23
24
25         )){
26
27             $response['error'] = false;
28             $response['message']="New Submit listed Sucessfully";
29
30         }else{
31             $response['error']=true;
32             $response['message']="new Submit is not listed";
33         }
34     }else{
35         $response['error']=true;
36         $response['message']="Required Fields are missing";
37     }
38 }else{
39     $response['error']=true;
40     $response['message']="Invalid Request";
41 }
42 echo json_encode($response);

```


Thanks to

Our instructor for giving
us this Opportunity.



Thank You