# 3321 Library Management Report

**Problem**

* Unorganized book storage
* Waste paper for barrower detail and book detail
* No reference for barrower report
* Book updating is unknown
* Poor management system
* Lost of barrower detail paper
* Book detail is not complete
* No book category
* No punishment for late book return
* No warning for late return
* No punishment for lost of book

**Solution**

* Used Web System Development ONLINE
* Book updating for announcement page
* Barrower detail and book detail
* Searching book according to category
* Print out barrower detail, book detail for reference
* Send warning email for late book return
* Punishment $00.00 for late book return auto x 00.50 perdays
* Punishment for lost of book return $00.00 auto x $20.00 perdays
* Password and ID is send through email
* Admin page insert IC Num, Phone number, email and password
* For securities issues photocopy IC is used for identification

**Additional**

Librarian Management Page

* Late book return, librarian can search user and send email for warning punishment
* Lost of book, librarian can search user and send email for warning punishment
* Call user for book issues
* Librarian will prepare book barrowed according to system barrower online
* Librarian can view IC Photocopy for reference

# Database Report

**Table Name: library\_management\_system**

Entity Name: user\_detail

Attributes

* ic\_photocopy, (File)
* identity\_card Number (16), **PRIMARY KEY**
* phone\_number Number (20),
* email Varchar (30),
* Password Varchar (10),

Entity Name: book\_detail

Attributes

* book\_id Varchar(16), **PRIMARY KEY (index)**
* title Varchar (30),
* author Varchar (30),
* publisher Varchar (30),
* Year\_of\_publisher Number (8)
* category Varchar (20),
* ISBN Integer (30),
* date\_of\_purchase Date (12),
* book\_price Varchar (8),
* quantity (200),

Entity Name: barrowed\_book

Attributes

* identity\_card Number (16), **PRIMARY KEY**
* phone\_number Number (20),
* email Varchar (30),
* book\_id Varchar(16), **PRIMARY KEY (index)**
* title Varchar (30),
* author Varchar (30),
* publisher Varchar (30),
* Year\_of\_publisher Number (8)
* category Varchar (20),
* ISBN Integer (30),
* date\_of\_purchase Date (12),
* book\_price Varchar (8),
* quantity (200),
* barrowed\_date Date (12),
* actual\_return\_date(12),
* return\_date Date (12),
* late\_return\_Punishment Currencies (30),

Entity Name: admin

Attributes

* librarian\_name varchar (20),
* admin\_password Varchar (12),

# System Function User

Registration

Manage by Admin

Search Book Detail

Duration 7 Days

Barrowed book

Only 1 book

Insert user and book Detail

Return Book

Else

Punishment Charge