**Assignment 1**

Link of the live website: <https://in-info-web4.informatics.iupui.edu/~paljain/reg.html>

**Functionalities:**

**1) Registration of new user:**

Email format: email should be in form [abc@gmail.com](mailto:abc@gmail.com)  
Password format: password should be of minimum 8 characters.  
“Show password” checkbox.  
Confirm password. (match “password” and “confirm password”)  
Check if user already exist in database.

**2) Login:**

Check email in database and login if password entered matches password in database for that user.

**3) Insert new book:**

Logged in user can insert new book in the database.  
Inputs from user:

Book name  
Author  
Category (Dropdown available for comic/ motivational/ fiction/ drama)  
Condition of book (Dropdown available for excellent/ good/ average/ poor)   
User name   
User email   
User contact number   
Trade form (Dropdown available for exchange/free)

**4) Display books:**

logged in user can see all the details of available books in the database.

**4) Update Trade Type or Availability of book:**

Take user email, book name and author as input. Check if the specific user has access to the input book or not.

Change availability status(Y/N) or trade type(Exchange/Free).

**5) Logout**

**Databases created:**

Contains three tables namely:

**1) users:** Containing details of all registered users.  
 Columns:

user\_id – Primary key  
name  
email  
phone  
password

**2) book:** Contains details of all the books submitted by the registered users.   
Columns:

book\_id – Primary key  
author  
book\_name  
category  
book\_condition

**3) status:** Shows the availability of books containing book and user details.  
Columns:

user\_id – Composite Primary key / Foreign key  
book\_id – Composite Primary key / Foreign key  
trade\_status  
availability

**The code for creating the db is contained in the paljain\_db sql file.   
All the code, ER digaram and source files are provided in the assignment1 zip folder which needed to run the program.**