Project Report

Online Book Sharing

Omega read

Online Book Sharing System

PROJECT REPORT ON

Online Book Sharing (Omega read)

Submitted by:

Akash Arsude 171112290

Siddharth More 171112218

Sreeja Indarapu 171112288

Dharmesh Kumar Yadav 171112259

Submitted to:

Prof. Jaytrilok Chowdhary

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL

SR NO	TITLE	PAGE NO.
1.	INTRODUCTION a. Scope of project b. Objectives c. Application	3-4 3 3 4
2.	ANALYSIS a. Software Required b. Hardware Requirements c. Operation Environment d. ER Model	5-6 5 5 5 6
3.	DESIGN a. Relational Schema b. User Interface Design c. Flow Chart	7-13 7 8 13
4.	TESTING a. Unit Testing b. Integration Testing	14-14 14 14
5.	CONCLUSION	15
6.	REFERENCES	15

- **INTRODUCTION:**

This document is a Project report for the Web based project '**Omega read**'. This document lays out a project plan for the development of the project by

Akash Arsude, Siddharth More, Dharmesh Yadav, Sreeja Indarapu.

The major focus of this site is to develop a community among active readers and help them to share books, sell books, share thoughts about books and help them to stay in touch among themselves. We aim to develop a site which will help readers and increase reading culture among users.

It makes entire book sharing easier by connecting its users with each other. It focuses on the building a proper community. It allows its users to put their used book and find a person who is interested in that book and share that book with him.

- **SCOPE OF THE PROJECT:**

In today's modern world, with rapid rise of technology, reading books is something which is getting less popular. It is becoming hard for active readers to find people with similar reading interests. Most of our friends are not interested in reading nowadays.

With the help of this site users can access used books of other people very easily with one click.

a. Users should be able to register through their already existing accounts.
b. They should be able to share snaps/videos/snaps.
c. People should be able to like and comment on any post.
d. One person can follow another person who share common interests and likings which would enable them to find mates apart from their usual friend circle.
e. Each user can have his/her profile picture, status.
f. People can post mysteries and other people can solve the mysteries.
g. Users will get points for the popularity of their posts/the number of mysteries they solve.

- **OBJECTIVES OF THE PROJECT:**

a. To make book sharing easier for every one of every age group.
b. To develop reading community.
c. To help readers to stay in contact with other readers.
d. To increase access of rare books to everyone.
e. The user can save some money by sharing used books.

- **APPLICATION:**

This project Omega Read works as follows:

a. User logs in the system.
b. User puts his used book onto the site which he wants to share.
c. User accesses books put by other users to share.
d. User navigates and selects a book he wants.
e. He contacts by clicking on the mail given.
f. If the other users agree, they share a book.

A book sharing database needs to store information pertaining to its users (or customers) , their details, book details, supplier details, publisher details, genre, description of the books, edition, etc..

The database must keep track of the status of each shared book. Books will be identified by their book id. In order to allow multiple copies of the same book, each item will have a unique ID number. Customers will provide their name, address, email id when signing up for the site. They will be requested to provide a unique user name, plus a password.

The database includes record of books available for sharing along with the user name of customer who shared it. The details of the books include supplied user name, book name, genre, description, edition.

The customer who wants to exchange or share books may email the customer who has already uploaded his books to shared list.

- **SOFTWARES REQUIRED:**

i. Microsoft Visio or Creately or Lucida charts for creating the Entity Relationship Diagrams and UML diagrams.
ii. SQL server or MY SQL for creating the tables for the data bases. We can also use Microsoft access for creating the data bases.
iii. HTML, CSS for creating the online portal. For developing the portal, we also need PHP. It also helps in connecting the data base to the online server.
iv. OPERATING SYSTEM - we can use Windows, Ubuntu, Mac OS

- **HARDWARE REQUIREMENTS:**

Online book sharing system:

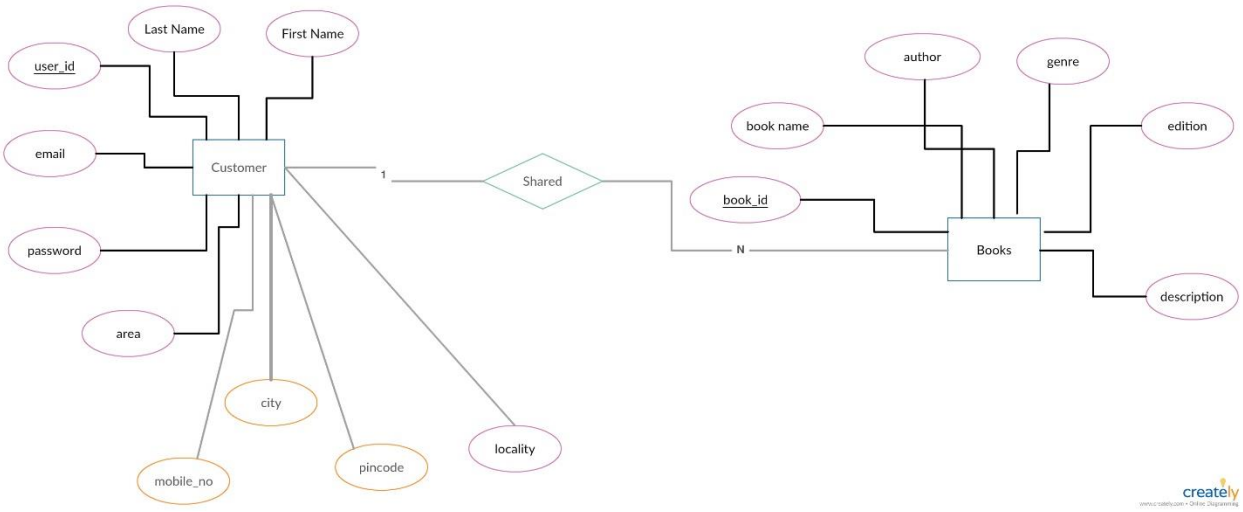
i. PROCESSOR: Intel I3 processor provides better capabilities and better cooling technology to CPU. With I3 processor, we can run our pc for a long time without need to switch off. Besides that, I3 processor helps us to boost up the CPU processing power. By using this we can keep developing the Library Management System without need to worry that PC cannot support.
ii. RAM In order to support SQL server we need 3.25GB RAM to avoid any problem occurred during development phase. Besides that, SQL Server can process faster when running SQL statements with 3GB RAM. It can save a lot of time if total up the process time.

- **OPERATION ENVIRONMENT:**

The table shows below is the minimum requirement of the project.

Processor	Intel Pentium 233 GHZ or better performance
Operating System	Microsoft Windows XP, Windows 7
Memory	2GB RAM
Screen Resolution	Minimum resolution should be 1024 X 768
Hard Disk Space	Minimum 5GB to include Database usage for future
Data Base	Wamp Server, Xamp Server, Microsoft SQL Server

- **ER MODEL:**


Last Name
First Name
user_id
email
Customer
password
area
city
mobile_no
pincode
locality
1
Shared
N
author
genre
book name
edition
book_id
Books
description
creately

Relational schema

Customer(user_id,email,password,first_name,last_name,area,locality,city, pincode**)**

User_id	email	password	first_name	last_name	Mobile_no	area	locality	city	pincode

Books(book_id,user_id,book_name,author,edition,genre,description**)**

Book_id	User_id	Book_name	author	edition	genre	description

Normalisation

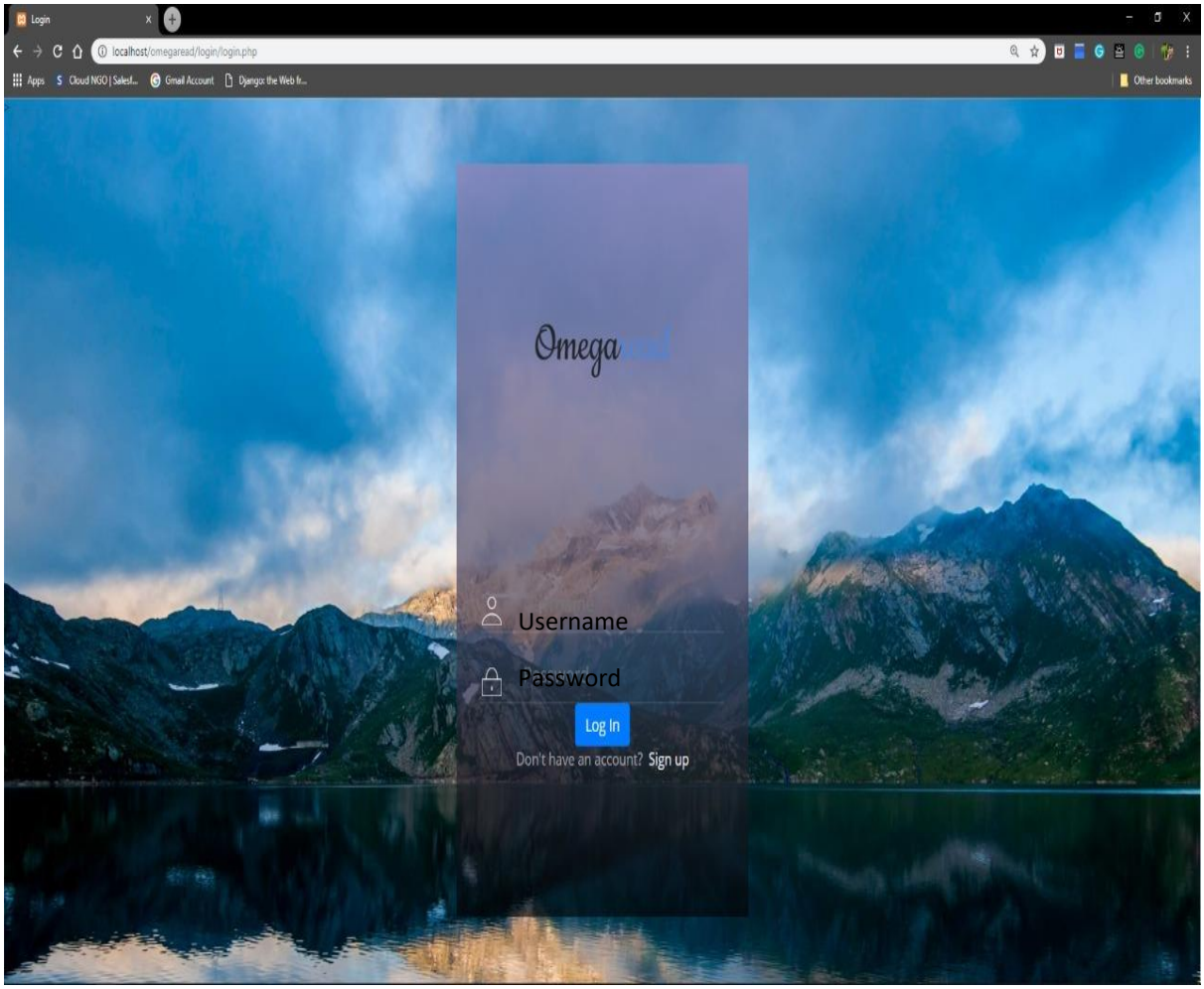
The database of project 'Omegaread' is in bcnf .

Customer(user_id,email,password,first_name,last_name,area,locality,city, pincode**)**

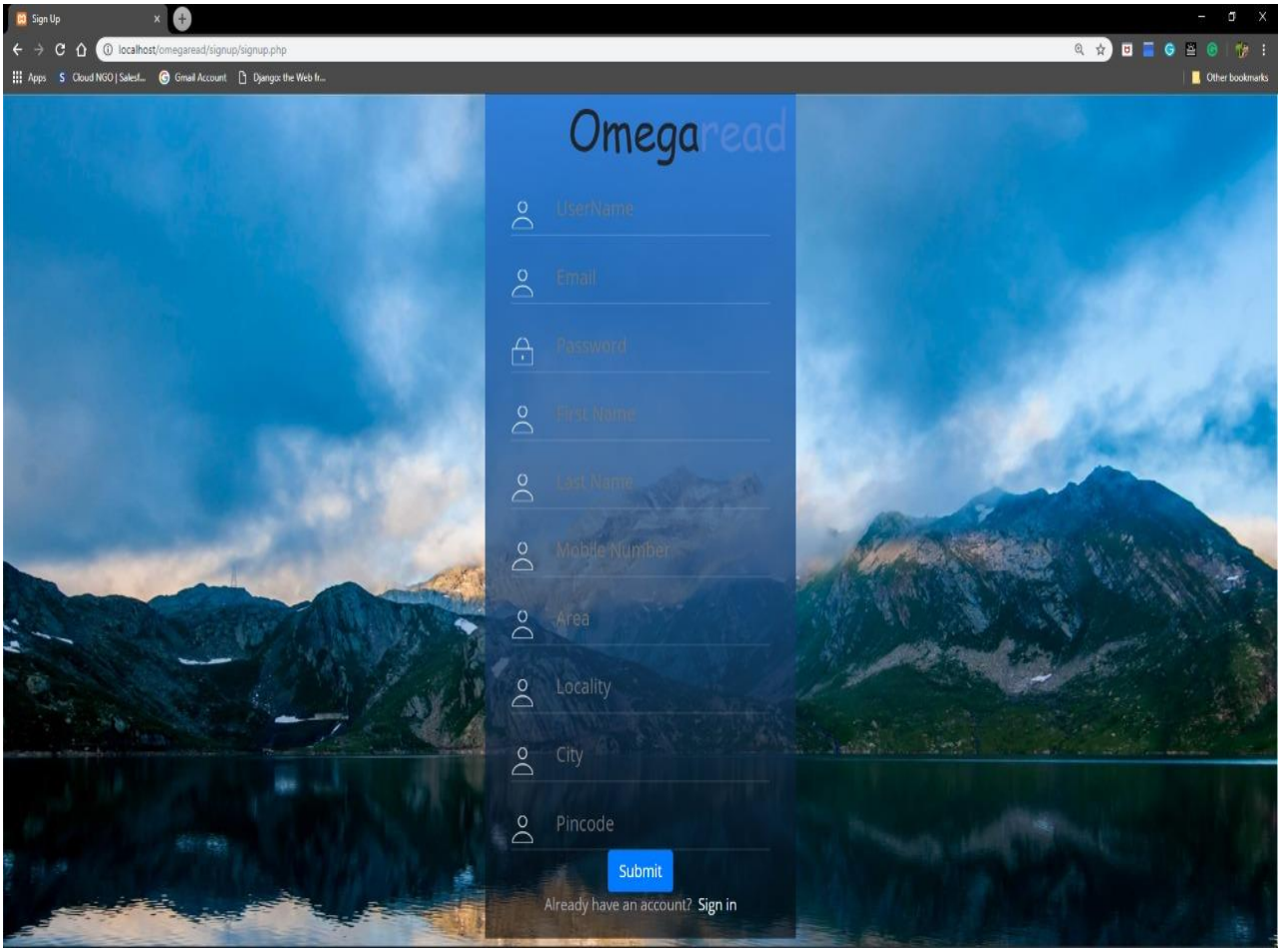
Books(book_id,user_id,book_name,author,edition,genre,description**)**

User interface Design

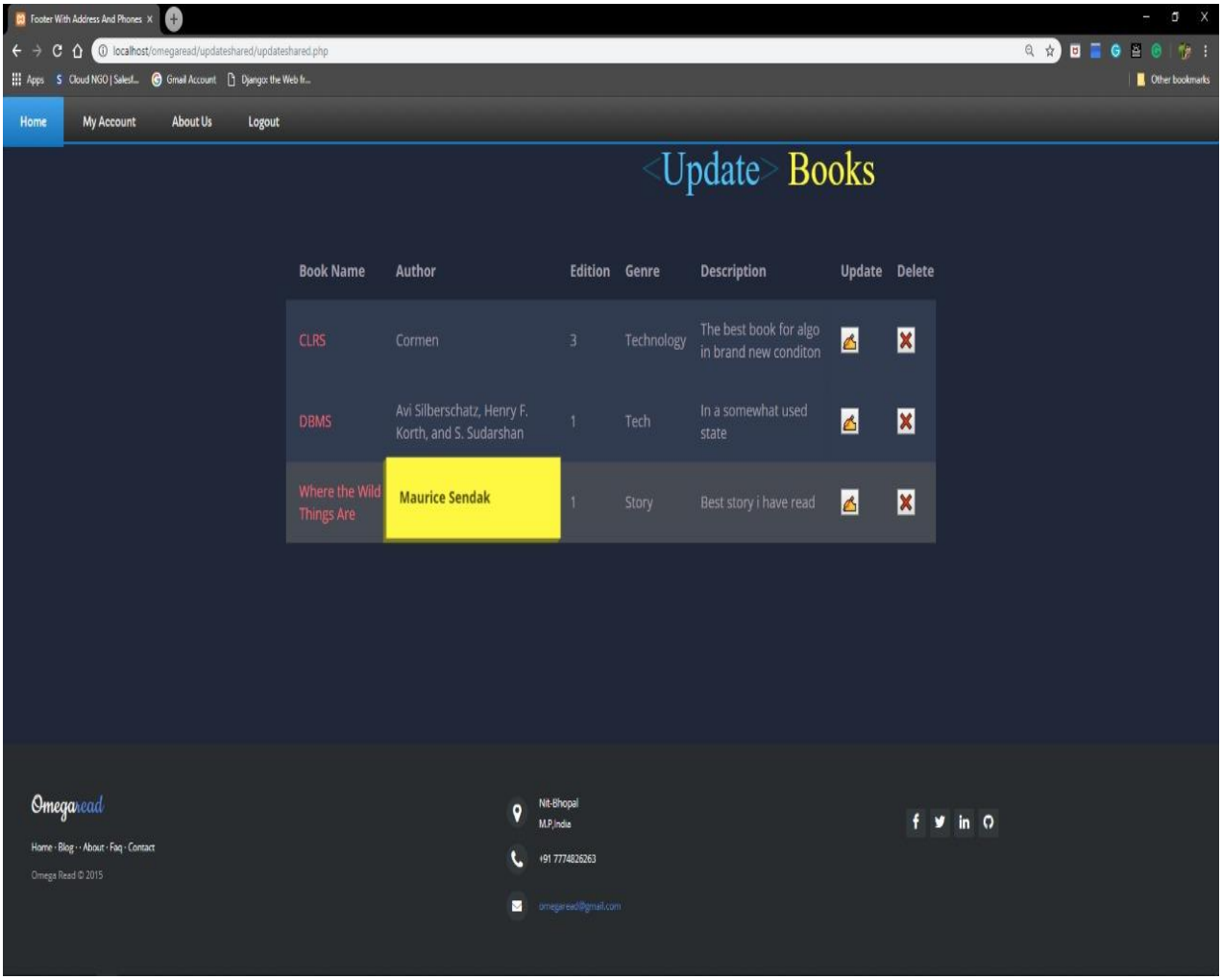
Sign in page



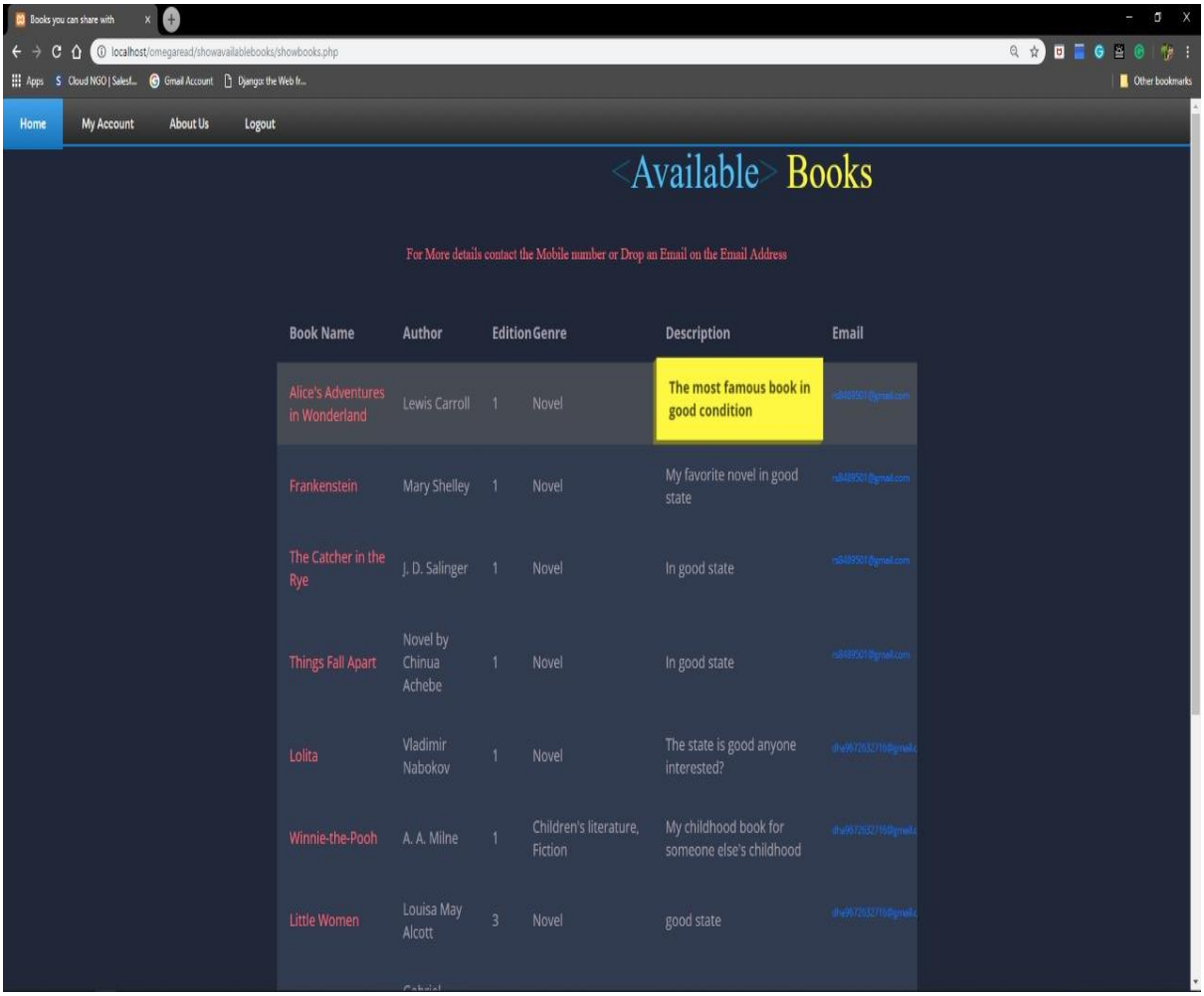
Signup page


Sign Up
localhost/omegaread/signup/signup.php
Apps
Cloud NGO | Salesf...
Gmail Account
Django: the Web fr...
Other bookmarks
Omegaread
UserName
Email
Password
First Name
Last Name
Mobile Number
Area
Locality
City
Pincode
Submit
Already have an account? Sign in

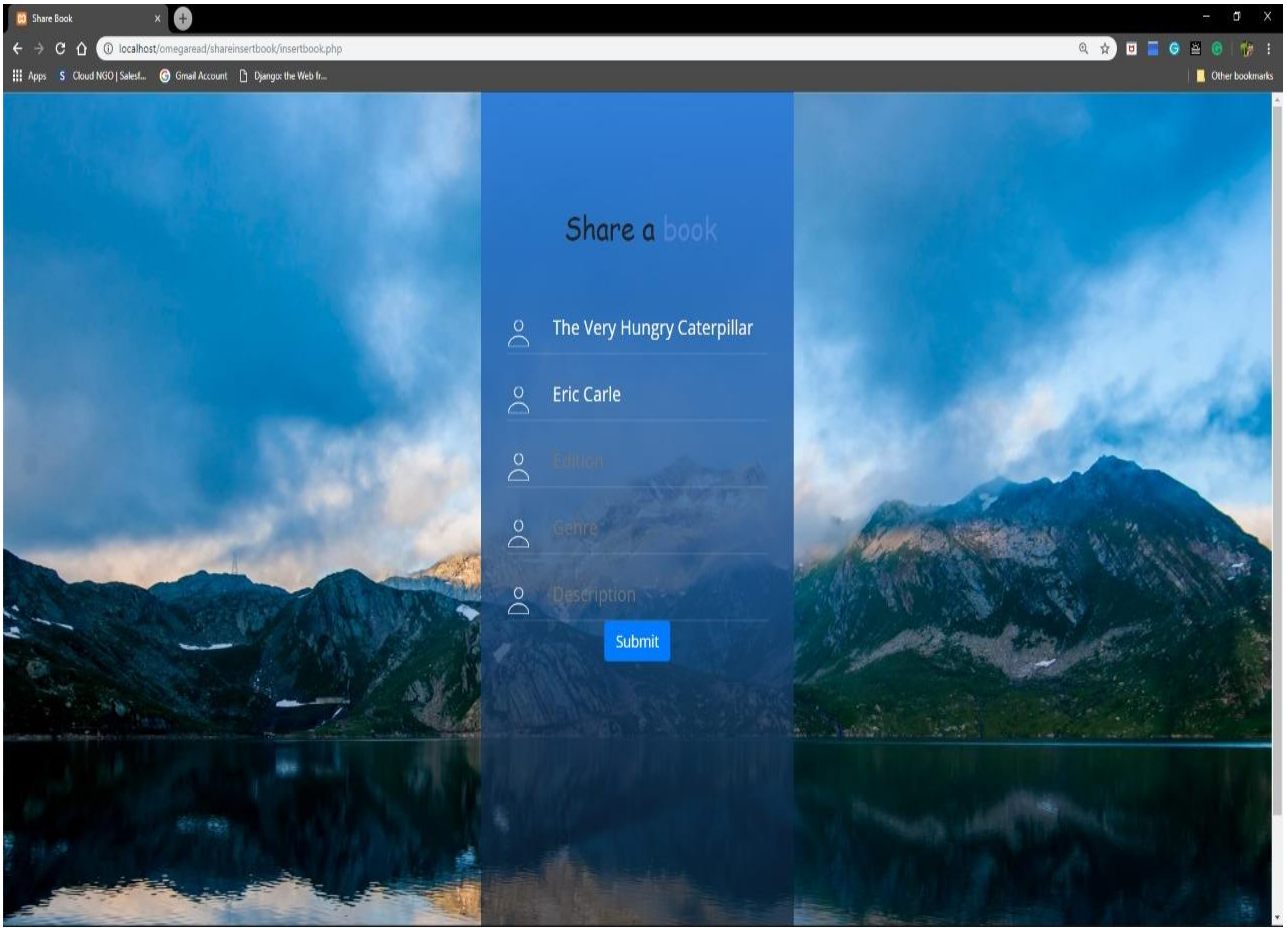
Update Books page



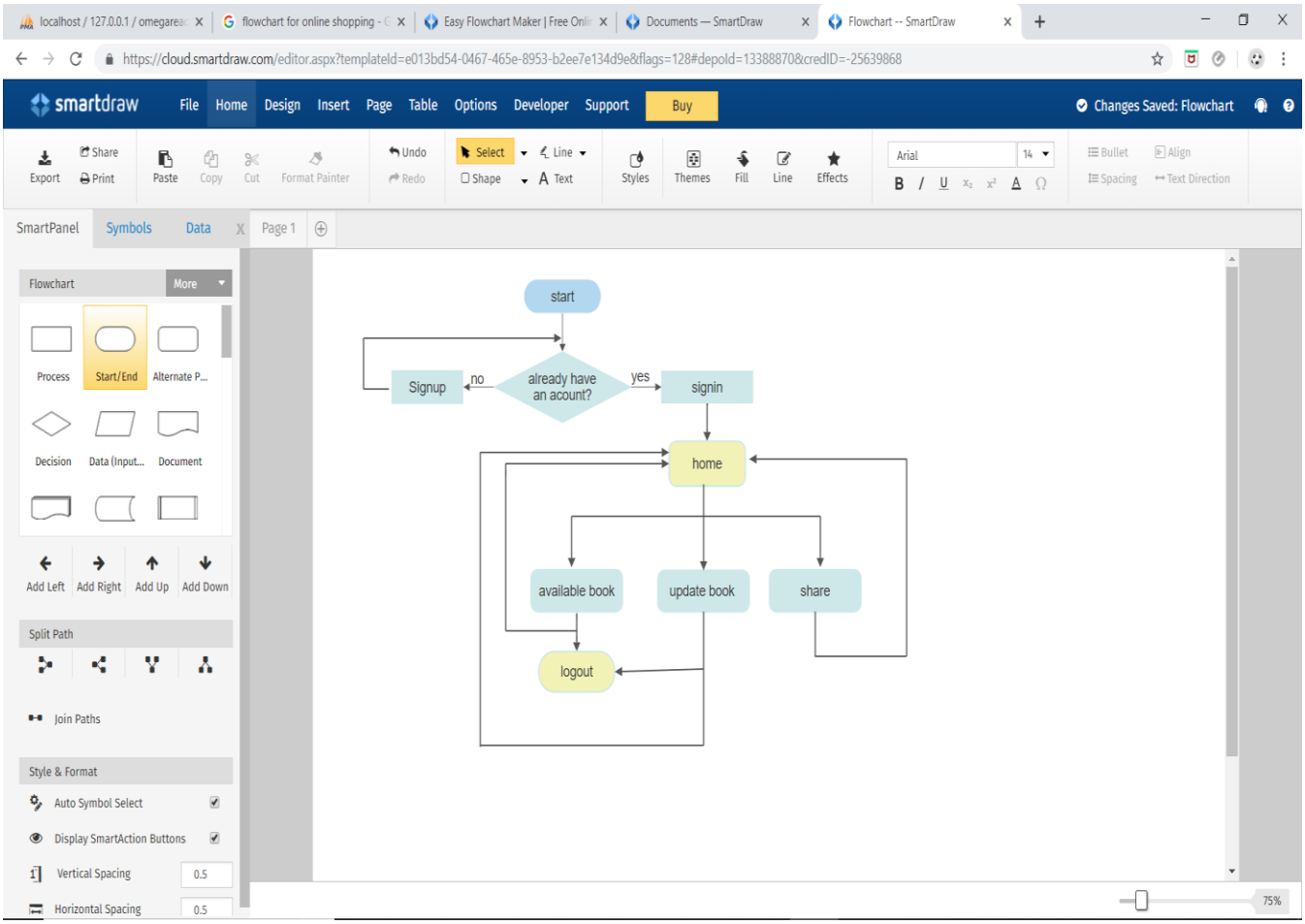
Availabe Books Page



Share book page



Data Flowchart



- **TESTING**

The aim of the system testing process was to determine all defects in our project. The program was subjected to a set of test inputs and various observations were made and based on these observations it will be decided whether the program behaves as expected or not.

Our Project went through two levels of testing

1. Unit testing

2. Integration testing

- **UNIT TESTING**

1. Test for book operations module:

a) Testing book insert form-This form is used to insert books into books table of omega read database. In this we enter the book name, and book related details and the book should be properly inserted into the database without any error. Any of the pages except the login page or sign up page will redirect to login page unless the user is logged in.

b) Show books module – In this module, all the books shared by customers except the user will be displayed through a web page.

c) Update Shared books module -This form is used to update the values of book name, etc. which the user has shared or uploaded to the database.

d) Testing Sign up module – This form is used to register a user. The user inputs the required fields, if any error occurs then the page is loaded with the field highlighted which caused the error.

e) Test for login module – This form is used to log into the system with registered users only. In case of error an alert message is displayed.

- **INTEGRATION TESTING:**

The complete project was thoroughly tested with all the units integrated and the issues were resolved.

- **CONCLUSION:**

This site provided an easy way of sharing books with each other. This site makes it easier for its users to find people with similar interests and reading hobby and share their books. Readers community is helped immensely by this site.

It makes entire book sharing easier by connecting its users with each other. It focuses on the building a proper community. It allows its users to put their used book and find a person who is interested in that book and share that book with him.

- **REFERENCENCES**

1. www.dspace.cusat.ac.in
2. http://www.w3schools.com/html/html_intro.asp
3. http://www.w3schools.com/css/css_background.asp
4. http://www.w3schools.com/sql/sql_insert.asp
5. http://www.w3schools.com/sql/sql_update.asp
6. http://www.w3schools.com/php/php_forms.asp
7. www.creately.com
8. www.lucidachart.com
9. https://www.youtube.com/watch?v=dD2EISBDjWM&list=PLr6GrHUlVf_ZNmuQSXdS197Oyr1L 9sPB
10. https://www.youtube.com/watch?v=qKoajPPWpmo&list=PLr6GrHUlVf8JIgLcu3sHigvQjTw_aC9 C