THE BOOK STORE

Team - The Brogrammers

ABSTRACT

➢ In this project we are building an online website which serves as a bookstore for reading and lending manuals , journals and books.

➢ Each user after register/login can select his interests/favourite authors. Suggested books will be displayed on the website according to his interests.

➢ Every user can read,rate and review the books.

➢ User can not only read but can also upload/advertise his own books or materials.

➢ Users can follow uploaders and also chat with them via a simple chat box.

➢ Group of users can also form a community depending on their interests. The materials shared in the community are accessible to everyone in it.

➢ Many of us would have faced the problem at some point or the other to find whether someone in our friends or classmates had a hard copy of our favourite novel/comic and are willing to lend the book.

➢ So we thought of creating a website that enables the users to know the owner of a hard copy for the book they are searching for and can also chat with the owner through a simple chat interface and borrow the book from him for a week/month.

➢ We also face many problems while collecting the reference materials or class notes related to the courses at the start or at the time of exams, so we wanted to create a website that can help peers by preserving the material which was uploaded by the seniors or professors over years in a community and accessible to only members of that community.

HARDWARE/ SOFTWARES

- ➤ Front end
  - ○ Basic web designing
    - ■ HTML
    - ■ CSS
    - ■ BOOTSTRAP
    - ■ JAVASCRIPT
- ➤ Backend
  - ○ Django
- ➤ Documentation
  - ○ Latex
  - ○ Doxygen
- ➤ Git - for version control

PROBLEM
Statement

➢ Creating a web application where you can read/rate/review/upload books/materials/journals

➢ Implementing database searches so that users can search books by genre/authors

➢ The site should also notify/suggest the user whenever a new material of his interest is uploaded in the site

➢ It should have the feature of forming groups/communities such that the materials uploaded in the group are accessible only to the members of the group

➢ Creating chat boxes so that users can communicate with uploaders and borrow books from them

- Used Django Models to make suitable classes to represent objects such as Profile, Document,Community, Advertise, Join etc.
- Used Django ModelForms to generate forms to edit models.
- Used Django Authentication System to authenticate users in the login page.
- Used Django-Filters to implement searching of Documents and Ads
- Used Django-private-chat to implement chat feature
- Used SQLite3 to manage the database
- Used HTML, CSS and Bootstrap to create the front end of the website.

1. Register
2. Login
3. Search by genre, author, title
4. Rate/Review
5. Upload
6. Chat with uploader
7. Community
8. Follow people

➢ **Registration :**
  ○ Users can register by providing their personal details which include their favourite authors and their interests.

➢ **Login :**
  ○ Users can login through their username and password.

➢ **Search :**
  ○ Users can search by genre, author, title.

➢ **Rate/Review :**
  ○ Users can rate and review the books/materials that are up on the website.

➤ **Upload :**
  ○ Users can upload books and materials related to a particular community
  ○ Users can upload the preview of the hardcopy they have with them (which they are willing to lend)

➤ **Chat with uploader :**
  ○ Users can personally chat with the uploaders about a book and discuss their views or make a deal to borrow the book (provided uploader have a hard copy)

➢ **Community :**
  ○ Users can form a community based on interests ,courses they have taken, institute they belong to,etc.
  ○ Users can upload materials related
  ○ Content can be accessed only by members of community

➢ **Follow people :**
  ○ Users can follow an individual so that when he or she uploads a book or a manual, they get a notification.

Testing

- ➢ Tested Basic features
  - ○ Whether the users are able to login/register securely into their accounts
  - ○ Whether the users are able to upload materials
  - ○ Whether the users are able to read/rate/review books
- ➢ Further we had checked
  - ○ Whether the users are able to search by genre/author
  - ○ Whether the users are able to follow uploaders
  - ○ Whether the users are notified whenever a new material of his interest uploaded in the site
  - ○ Checking the chat box facility
- ➢ Finally
  - ○ Whether users are able to form/send requests to communities
  - ○ Make sure that the materials uploaded in the groups are only to the members of the group

THANK YOU