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MONKFOX PROJECT ON FLASK ONLINE SCHOLARSHIP FORM (USING DJANGO and BOOTSTRAP)

PROJECT REPORT

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Overview:

“BOOK RESELLER WEB APP” project aim is to act as the business interfeerer between Buyer and Seller of the used books With the reasonable price which is specified by seller, if the buyer is satisfied with the price he can contact the seller and get the password and if he satisfied with the seller he can buy that book.

In this project we used ‘DJANGO’ and ‘CORE PYTHON for its backend development and ‘HTML’ with ‘CSS’ for its frontend design.

It uses ‘DB BROWSER(SQLite)’ application to provide the dbsqlite3 database to store the registered User’s information for the login. In this database we created the table to store the user’s information and book information which is adding to the book library. It is deployed in the cloud of the online server.

It consists of different web pages which are linked through Django.

This Web App consists of following web pages :

- * Home Page
- * Sign up Page
- * Login Page
 - * Sell Book
 - * Buy Book

- * Admin Page
 - * Verify Book Page
 - * Delete Book Page
- * Book Library Page

Chandan H S developed and designed the database and Django python Code for the models, and linked the forms with the database.

Prabhu T P developed the Django python code for the CRUD operations for the user and book selling.

Namit N C designed the tables of the app with bootstrap

Vishnu Tejas E S and **Abhishek S** applied the styling and ,nav bar for all the web pages

- **Home page** is the main page for the project which consists of all other pages links ,We can navigate to all other pages by clicking on the nav bar in web page.
- **Sign-up** page is the web page which is used to create a new username and password.
- **Login page** is meant to login to their user account and then he can Buy or Sell the books.
- Admin Page is used by the admin of the webapp where the admin can verify and delete the books given by the seller.
- **Dashboard** is the web which gives you complete details about the total number of users, number of total books added , and number of verified books.

Roles and Responsibilities:

Our team members have developed this web app by the knowledge of Django framework, basic HTML, CSS and bootstrap. We worked both on the frontend and backend development.

We divided the work into number of parts to develop project:

- ❖ Designing the Web App sketch.
- ❖ Development of web forms using HTML and bootstrap.
- ❖ Designing of frontend of the web page using HTML with CSS and Bootstrap.
- ❖ Development of the python code with Django which links the webpage with the url which is generated while deploying our code in the Heroku and plays very important role in sequence of the web app.
- ❖ Backend and business logic is designed using core python and Django.
- ❖ Creating of the database in the system and creating the tables which is used to store the information in database that taken from the forms, and after deployment Heroku will create cloud to store user and book information.
- ❖ Displaying the information in the database in the table and verifying and deleting the books.

Requirements:

Laptops , internet connection , DB Browser SQLite software to provide database server , atom and visual studio as editor to write the source code , used w3 schools website to refer the HTML and CSS basics and Djangoprojects.com, used bootstrap to design the tables.

Functionalities:

```
user_form=UserRegistratonForm(request.POST)
```

The above line takes the information entered in the form and stores the data in the 'user_form' variable.

```
user.set_password(user.password)
```

```
user.save()
```

Sets the password to registration form and saves the data entered in form to database.

```
result=owner.objects.all()
```

This line gets all information in the table owner and Stores in the object "result".

FLOWCHART OF THE BOOK RESELLER APPLICATION

