Web Frameworks Project

Title

Online Library Management System

Description

Our website comprises of:

Login Functionality where existing users can login to avail facilities provided by the Library.

Sign Up Functionality for new users to register themselves to the Library.

Homepage is a page where all the users who have signed up or logged in will be redirected.

Explore structure for users to add books into their cart.

About us section for users to know more about the library.

Links related to the project

Github browser link: https://github.com/hritvikpatel4/web_frame_2019

Github clone link: https://github.com/hritvikpatel4/web_frame_2019.git

PythonAnywhere Link: http://amoghrajesh.pythonanywhere.com/

Individual Contribution :

Hritvik:

Created all the super-users and managed the admin page.

Worked on models.py, views.py(signup_new, fronts, about) and forms.py(signup).

Worked with respective template integrations.

Committed all the changes to Github.

Amogh:

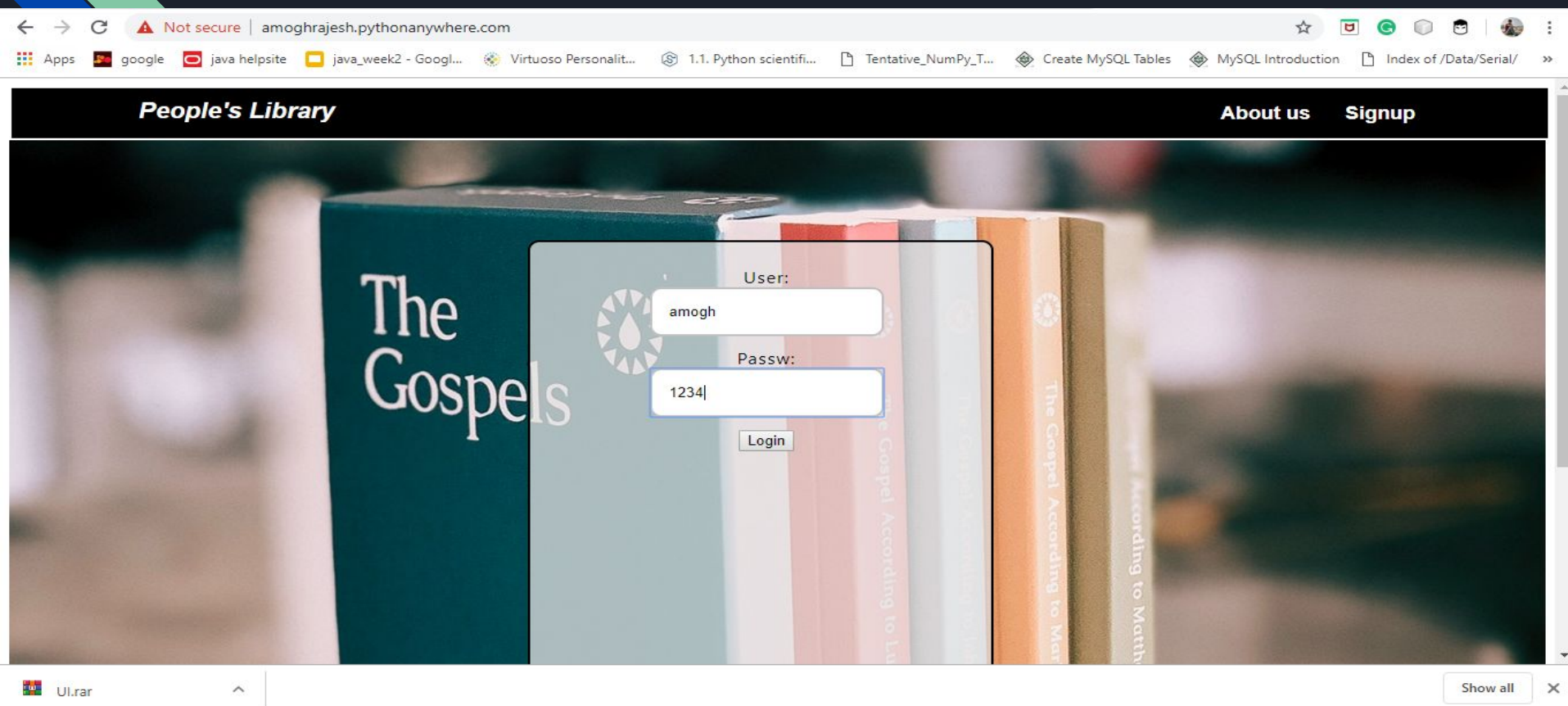Worked on linking all the CSS and images to the elements using static.

Worked with urls.py, forms,py(login) and views.py(login_new, people, explore_new).

Worked with respective template integrations.

Set up the project on PythonAnywhere.com

Screenshots:

We supply books,for rent and sale.

Flat 40% off on premium books.

Explore

Fname:

Email:

Username:

Password:

Dob:

Signup

Who are we?

People's Library is an American public library with headquarters in Washington.We re both an offline store and has one of the largest online library in the world. We have our offline stores in New York, Texas, Ontario in the US. We have our reach in other countries like UK, Spain, India, Belgium,China, Russia, Algeria, Austria, Japan. People's Library provides an option to purchase books as well as rent them by adding them into your online cart and probably reading them later. We ship to other countries either via Amazon or eBay or use Bluedart so your package gets to you, safe.

Our History

Select signup to change

ADD SIGNUP +

Action: | --------- | Go   0 of 3 selected

☐	SIGNUP
☐	**abc**
☐	**amogh**
☐	**hritvik**

3 signups

Django administration

Home › Librarymanagement › Signups › hritvik

Change signup

Fname:	hritvik patel
Email:	hritvik.patel4@gmail.com
Username:	hritvik
Password:	1234
Dob:	2019-04-14	Today	📅

Note: You are 5.5 hours ahead of server time.

Delete

Django administration

Home › Librarymanagement › Signups › amogh

Change signup

Fname:	amogh
Email:	amogh@gmail.com
Username:	amogh
Password:	1234
Dob:	2019-04-14	Today	📅

Note: You are 5.5 hours ahead of server time.

Delete

Takeaways:

- We created Django models (namely login & signup) and use a single template for login and signup (concept of extending templates)
- Redirection of pages using urls.py file in the root directory and the app directory.
- Adjusted CSS and other static content like images into the templates.
- Learnt how to change paths after a successful login or signup.
- Successfully deployed the project on a external hosting site (pythonanywhere.com).

Challenges:

- Using a single template for two models(Login & Signup)
- Storing the details entered by user in the form to the database.
- Interlinking of the special directories(Static , Template).
- Deploying the project onto pythonanywhere.com due to project size being too large to upload on Github
- Linking various pages via anchor tags demanded creating new views and an associated url mapping.

Done By:

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