

Web Convener Assignment 2024-25

General Instructions:

1. Hello everyone ! As mentioned in the groundworks, the first part of selection for web conveners is here.
2. You can attempt **any** number of questions in **any** order you want.
3. Doing each question is **NOT** Mandatory at all.
4. At any point of time if you feel you are not getting anything, just google it. Google and youtube are your best friends throughout this assignment.
5. If you still can't figure out the way even after googling it, then contact any one of us (Web Heads). Our contact is at the last page of this assignment.
6. No Plagiarism of any form is allowed. You just can take help, but if plagiarism is found then the candidate shall be removed from the further selection process.
7. Please go through each and every question carefully. Because for some people one question may be difficult but the same question may be easy for others.
8. Please try to submit all questions. If not, then try to submit as many as possible because if we feel that there is some sort of tie between candidates we use this thing as a factor.
9. The submission instructions are at the end, after all questions.

The **deadline** for submission of this assignment is **Wednesday, 26th June 2024**.

Question 1:

Create a Booklet Repository in Django where the admin user can upload the booklet in pdf format with a title and other normal users can view and download the booklet uploaded by the admin user. This application should have the following features -

1. **Page1** should be a login or signup page. Signup option should only create a normal user. There should be only one admin user. Login should require a username and password, signup should require username, email, password, and confirm password fields.

2. If a normal user is logged in, the **Page2** should display all the booklets uploaded by the admin user along with the title and date it is uploaded on. The user should be able to view and download the pdf file.
3. If the admin user is logged in, the **Page2** should display the list of all the booklets he has uploaded with its title and date of upload. Each booklet in the list should have a delete button also, which when clicked should delete the corresponding booklet from the database. There should also be a “Add New Booklet” button which when clicked should redirect the admin user to **Page3**, which should have a form with the following fields -
 - a. Title
 - b. Upload a PDF file (the uploaded file should be stored in the database)
 - c. Upload button

After entering the title and uploading a relevant PDF file, the user should be redirected to Page2, and this page should now show the uploaded booklet in addition to the already uploaded booklets.

Additional Note :

If you implement Google login/signup as shown in the picture below and if it works just like the way as google works, then you have extra points and extra consideration for your assignment. It's not necessary to implement apple signup, just google is enough for you to overcome other students.



Continue with Google



Continue with Apple


Or

Create account

Note for Question 1 :

- Add a button to go to each previous page and a logout button as well.
- Try to be as **creative** as possible to create the **front-end of this application**. Use of external libraries and themes is **highly recommended**. Please note down all these dependencies you have used in a README file. (See SUBMISSION INSTRUCTIONS section below)

Steps to solve Question 1 (hints only) :

1. First Install Django by going through this documentary by clicking at the following link and reading it . [Django documentation](#)
2. Then visit this below youtube link and understand the underlying concept

3. Also then try to figure out a way yourself by doing whatever you want (google or youtube) on how to upload files in Django and understand the concept.(we are not giving tutorial for this because you can find it in Django documentation....if you can't understand then figure it out yourself by internet)
4. Now finally combine all of it and write a code and complete whatever the assignment is.
5. We are not giving any tutorial for how to create a google login/signup because this thing is for extra points and if you want extra points then you figure out a way to make it possible.

Question 2:

Create a basic student information management system in PHP with the following requirements -

1. The landing page should display information about all the students (Name, Roll Number, Department, Hostel) in a user-friendly table.
2. Make provisions to edit the database (add a new student, delete an existing student, and update existing student details). That means there should be some sort of buttons or anything like that so that we can do the above mentioned changes.

Additional Note :

Extra points / good consideration for those who create a search filter for the table that they displayed on the landing page.

Note for Question 2 :

- Try to be as **creative** as possible to create the **front-end of this website**. Use of external libraries and themes is **highly recommended**. Please note down all these dependencies you have used in a README file. (See SUBMISSION INSTRUCTIONS section below)

Steps to solve for Question 2 (hints only) :

1. Install XAMPP on the local server by going to the link. [Apache Friends](#)
2. Create the required tables and backend by using Apache Web Server and MYSQL Databases after understanding the underlying concept from the following link..[PHP Tutorial for Beginners - YouTube](#)
3. We are not giving any tutorial for how to create a search filter because this thing is for extra points and if you want extra points then you figure out a way to make it possible.

Question 3:

React Frontend Assignment: Movie Review Application

This assignment focuses on creating a Movie Review Application using React. The application should include features such as user authentication, movie listing, review submission, and review management.

Features:

1. Login and Signup Page (Page1)
 - Implement login and signup functionality.
 - Signup creates a normal user account.
 - There should be only one admin user (predefined in the system).
 - Login requires username and password.
 - Signup requires username, email, password, and confirm password fields.
2. Movie Listing Page (Page2)
 - If a normal user is logged in, it displays a list of movies along with their titles, release dates, and ratings. Users can click on a movie to view its details and read reviews.
 - If the admin user is logged in, it displays the list of all movies with titles, release dates, and ratings. Each movie has an "Edit" and "Delete" button. There is also an "Add New Movie" button.
3. Add/Edit Movie Page (Page3) - Admin Only
 - This page contains a form for adding or editing a movie with the following fields:
 - Title
 - Release Date
 - Genre
 - Rating

- Upload Poster Image (optional)
- An "Upload" button to save the movie details.
- After submitting the form, the user should be redirected to the Movie Listing Page, and the new or updated movie should be visible.
- 4. Movie Details Page (Page4)
 - Displays the details of a selected movie, including title, release date, genre, rating, and poster image.
 - Lists all reviews for the movie with the reviewer's username, rating, and comments.
 - Logged-in users can submit a review for the movie using a form with the following fields:
 - Rating (1 to 5 stars)
 - Comments
 - A "Submit" button to save the review.
- 5. Review Management
 - Users can view, edit, and delete their own reviews.
 - Admin users can view and delete any review.
- 6. **Google Login/Signup Integration** (Bonus)
 - Implement Google login/signup functionality for extra points.

Submission Instructions :

1. Create a Github account at [GitHub](#) (click on the adjacent link)
2. Now create a public repository (do not make it private) and add the supported files for the required question
3. Make Individual separate repositories for separate questions.
4. If you are unable to do it just google it. This is a very easy thing to complete.
5. Now share the link for public repository that you have created for a particular question by filling out the form
https://docs.google.com/forms/d/e/1FAIpQLScyNuoExkpefOksWE8gFkys1DC-26cFppxtXeVTGQHFEK3f3g/viewform?usp=sf_link
6. Note that the deadline to submit the assignment is **Wednesday 26th June 2024, Time : 11:59PM.**

Any form of plagiarism will lead to immediate disqualification. We are looking for **honest efforts** and not perfect answers. Try as much as you can by pushing through your efforts and please submit the assignment.

If you have any issues/doubts regarding the assignment, feel free to drop an email or directly ping on Whatsapp.

All the best !!!

UGAC Web Nominee

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