

Vlabs IITB - Assignment for Django Full Stack Developer.

Scenario

After completing the graduation, students of the institute have to apply for the job in different companies through campus placement. The institute is in contact with 5 companies.

The institute has an online job application and review portal, through which students can post their job applications. The portal involves the approval process.

1. When the student submits his application, it goes to TPO (Training & Placement Officer) of the institute. He reviews the application and then decides to approve or reject the application.

Student can apply in multiple companies.

Task

Develop the job application and review portal fulfilling the above mentioned requirements.

Login

Login page will contain the following fields:

1. Email (textbox)
2. Password (textbox)
3. Submit (button)

Assume that the student has already created his account so there is no need for registration process.

Student dashboard

After login, the dashboard will display:

1. On top right corner - Welcome (student name) and logout.
2. Link to fill the job application.
3. Table showing list of all applications with the following fields:
 - a. Company name in which student applied.
 - b. Position.
 - c. Applied on (Date and time eg. 18 June 2019 11:10 am).
 - d. Resume - link to resume(PDF)
 - e. Status :
(Applicant - Submitted
TPO - Under Review / Approved / Rejected)

Application form

1. Name of student (textbox) : prefilled (details will be fetched from database.)
2. Course - (textbox) : prefilled (details will be fetched from database.)
3. Semester - (textbox) : prefilled (details will be fetched from database.)
4. Department -- (textbox) : prefilled (details will be fetched from database.)
5. Email - (textbox) : prefilled (details will be fetched from database.)
6. Mobile number - (textbox) : prefilled (details will be fetched from database.)
7. Company in which you want to apply - (dropdown - populate with any 5 names.)
8. Position for which you want to apply - (textbox)
9. Why you want to join the company - (textarea)
10. Upload Resume (file : Upload PDF only. File size : max 1 mb)
11. Submit (button)

TPO dashboard

After login, the dashboard will display:

1. On top right corner - Welcome (TPO) and logout.
2. Table showing list of all applications with the following fields:
 - a. Student Name
 - b. Department
 - c. Company name in which student applied.
 - d. Position.
 - e. Applied on (Date and time eg. 18 June 2019 11:10 am).
 - f. Resume - link to resume(PDF)
 - g. Status :
(Applicant - Submitted
TPO - Under Review / Approved / Rejected)

Clicking on any column of the row, student's application form will open.

Application Form (TPO view)

1. Name of student (textbox) : prefilled
2. Course - (textbox) : prefilled
3. Semester - (textbox) : prefilled
4. Department -- (textbox) : prefilled
5. Email - (textbox) : prefilled
6. Mobile number - (textbox) : prefilled
7. Company in which you want to apply - prefilled
8. Position for which you want to apply - prefilled
9. Why you want to join the company - prefilled
10. Resume (file) - link to resume
11. Approve (button)
12. Reject (button)

Conditions :

DB :

1. Normalized DB
2. Salted Password.
3. DB Security
4. Modular DB
5. Tables containing students details (name, department etc.), login table for student, TPO, HR login.

Frontend:

1. Clean user interface
2. Tables views should fit in the page and good looking
3. Dashboard with menu bar (logout, login)
4. Responsive
5. Mobile adaptable

Coding strategies :

1. Code lint
2. Inline code documentation

GIT:

1. Create and work on the project repository.
2. Strategies to avoid conflicts
3. Strategies to resolve conflicts
4. Complete working strategy on Develop, Build and Test, Deploy. And host it on Firebase / Github Pages / Gitlab pages.

Documentation :

1. Project Documentation using Markdown - MKDOCS
2. Must have developer documentation.
3. Other miscellaneous details.