

You're required to implement an API for a tiny HR system, where job applicants can register as potential candidates and upload their resumes, and HR managers can log in and see the list of candidates and download their resumes.

Functional Requirements

- For candidates: A registration endpoint, where candidates can register, with the following fields:
 - o Candidate Full Name
 - o Date of Birth
 - o Years of Experience
 - o Department ID (One of the following allowed values: IT, HR, Finance)
 - o Resume, an actual file containing the resume. It should only allow PDF and DOCX files.
- Admin access only: An endpoint to list applicants, this should be only used by admins, should return a list of candidates ordered by registration date in descending order.
- List should contain the details (Full name, Date of birth, Years of experience, Department).
- Admin access only: An endpoint to download the actual resume file, by candidate ID.
- To avoid implementing full authentication/authorization mechanism, assume an admin user if request contains the header "X-ADMIN=1".

Additional Technical Requirements

- Language should be Python3
- Use Flask.
- MariaDB RDBMS.
- For file endpoints, anyone can upload a file, but only admins can download.
- Store uploaded files could on file system but design the feature in a way it could be easily changed in the future to use other storage option (S3 for example).

Evaluation Criteria

- Functional completeness and correctness.
- Quality of code.
- Quality of system/component design.
- Use of modern libraries and frameworks.

Bonus Credits

You get bonus points for any of the following:

- A simple UI using a modern JS framework (Vue, React, Angular, etc.) that calls the API and allows registration, listing and downloading.
- Automated Tests (Unit, Integration, Selenium, Jasmine)
- Storing of files on Amazon S3 or any other cloud storage solution.

What to deliver

- A link to a public git repo containing work.
- Repo should contain a ReadMe file containing instructions:
 - How to setup and run the application.
 - How to setup the database (command or script to run).