

Coding Challenge

Submission Deadline: 1/7/2021

Problem Statement:

You are required to create a web app for CV and profile submission. Below is the list of functionalities:

React for the front end and Django and Django Restfull Api (DRF) for the backend logic:

- Sign up
 - Fields: First name, last name, email address, username, password.
 - A notification email should be delivered upon sign up.
- Sign in
 - Using username and password created at sign up.
- After signing in, he/she must complete profile
 - General information fields:
 - Marital Status; If married: Number of dependents.
 - Years of experience
 - Date of birth (Show calendar)
 - Nationality (Auto complete)
 - Country of residence (Auto complete)
 - City (Auto complete) based on the country selected.
 - Mobile number (starting by the country code that will be auto generated based on the country field selection)
 - Education
 - The applicant can add one or more education. Minimum one education is required. No maximum.
 - Fields: Degree title, university name, GPA.
 - Attachment
 - The applicant can add one or more attachment. Minimum one attachment is required. No maximum
 - Fields: Attachment name, Upload button.
- After submission, she/he should receive an acknowledgment email.
- Can update profile information.
- Add/Edit/Delete Education information.
- Add/Edit/Delete Attachment information.
- Log out button.

Django Admin:

CRUD Operation for Users, Profiles, inline Attachments and Educations.

How the submission will be graded.

- UML Diagrams and descriptions:
 - Use Case Scenario and description
 - Activity Diagram

- Sequence Diagram
 - Entity Relationship Diagram
- Source code comments
- Source code repos and commits.
- The backend logic.
- The frond end logic and UI/UX (responsive design)
- The form data validation.
- Solution deployment to any cloud hosting.
- You may use any email service or SMTP for email notifications.

Technology to be used:

- Django for the backend and admin panel.
- Django Restful API (DRF).
- React for the frontend.
- Build the backend as REST APIs using DRF that your React frond end will consume.
- Use GitHub for source code repos. Please create two repos one for frontend and one for backend.

You may make assumption for anything that is not clear.

Please proceed with creating the source code repos after you acknowledge the receipt of the exercise and share with me the repos links, collaborate, and push your updates frequently.