3 LINE
HUMAN RESOURCES

Frontend developer exercise

An assistant to a professor is tasked with ensuring that students do not copy themselves when they submit essays and assignments.

Build the front-end of a web application that the assistant can use to compare submissions for similarity. High level:

- Assistant logs in to an application with 2 menu items
- **Compare**:
    i. He provides the name of the first student
    ii. He uploads a text file containing the content of the first student
    iii. He provides the name of the second student
    iv. He uploads a text file containing the content of the second student
    v. He clicks a button to compare.
    vi. The system does its magic and presents an output stating the percentage similarity of both submissions.
    vii. The system may also show blocks of text as examples of how it did its comparison. If you think this helps the experience.
- History:
    i. He provides the name of the first student
    ii. He uploads a text file containing the content of the first student
    iii. He can rerun anyone if he so wishes
- **Logout**: Logs him out of the application

What you will have to do

- Looking at the flow defined above, imagine that a backend developer needs to provide you with API endpoints that you need to achieve this.
- Define those APIs you will like the backend developer to build. Create sample request/response pairs and then mock the collection with Postman mocks.

Points to note

- It's important that the Application is as light in the browser as possible
- It's important that the application is mobile responsive
- Feel free to use a predefined template for the UI if it helps your speed
- You can write your code in any language or framework of your choice

What we are looking for

- Understanding of UI manipulations and API consumption
- Versatility in the choice of toolset, or proficiency in your chosen toolset

- Attention to detail and elegance of the solution itself: Code quality, ease of maintenance, etc.

How to submit

- Commit your code to a GitHub repo then share a link with us to review
- Deploy to any free cloud service of your choice, then share a link for testing
- Prepare for a follow up conversation interview where you will run us through your solution

Time to complete: 48Hours