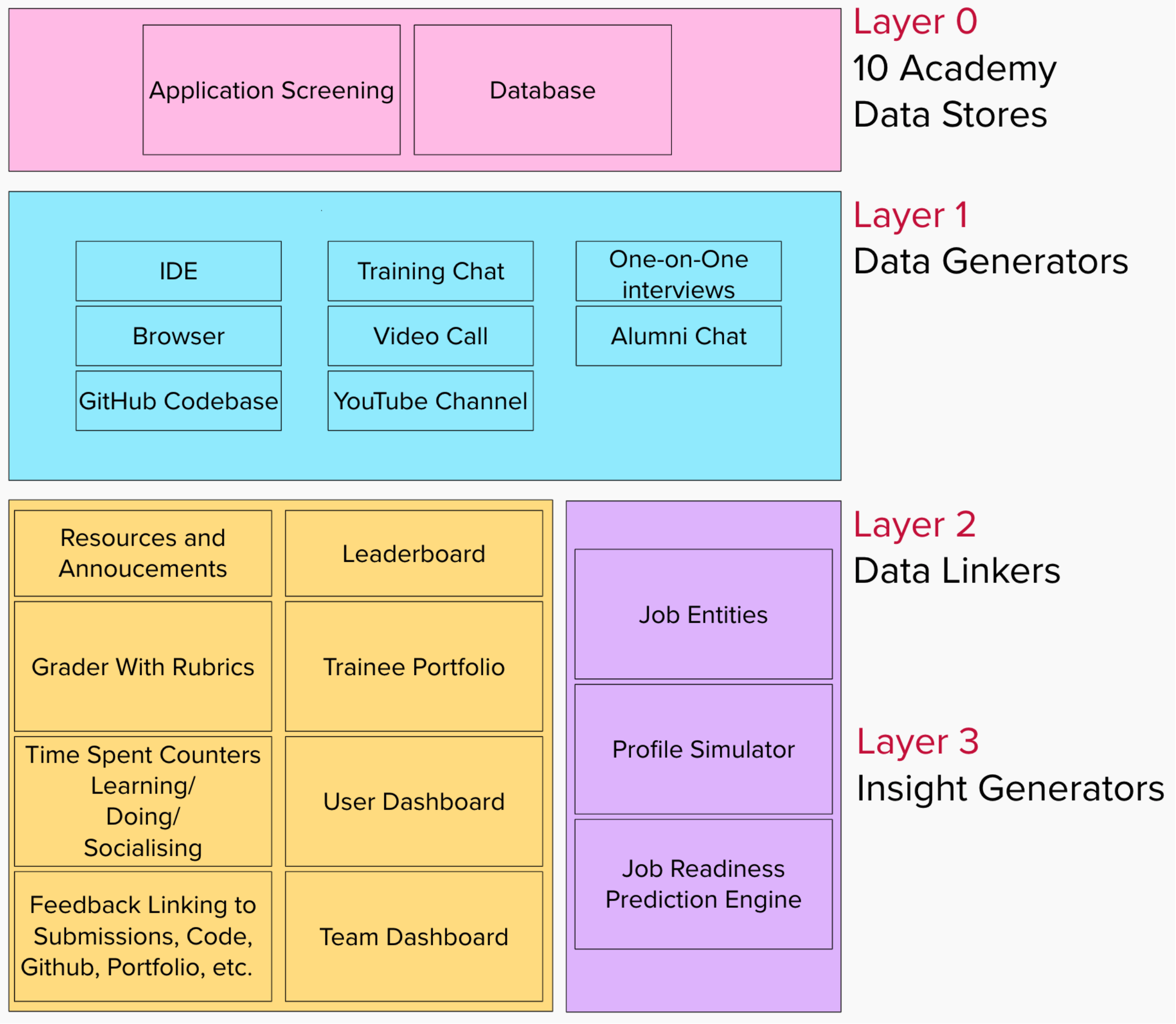
The TenX Learning System

Your role as a frontend developer building the Tenx learning platform is to be able to provide convenient web and mobile interfaces to 10 Academy trainees and staff.

10 Academy is building the tenx learning platform from scratch. The system will most likely be based on Strapi headless CMS and the front-end build on top of React Starter Kit. Some parts of the system will be connected to systems like Relate.

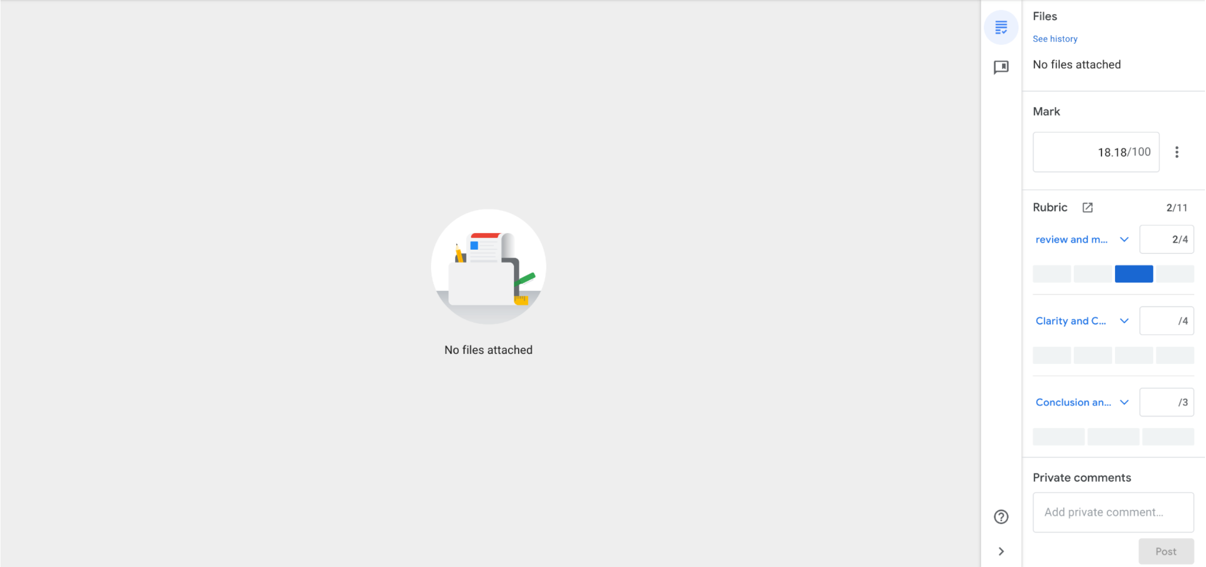
A full implementation of the Tenx system becomes a gate to access all components that make up the 10 Academy pipeline: talent acquisition, community building, knowledge-skill-attitiude training, centralised feedback, profile making, and job matching. The multiple components in the pipeline are shown below organised in four layers.



Your Challenge:

Choose one of the following projects and complete the required tasks. Send your github repository implementing a solution for the project to yabebal@10academy.org.

1. Build a frontend on top of React Starter Kit using React that renders a pdf in the main window and on the right hand side of the page provides a form to accept grades based on a few breakdown. You are not expected to worry too much about cross device design. For this challenge consider only implementing a desktop window. Moreover, you are not expected to implement the backend to fetch data and post the form data. You can assume to fetch a pdf from a local folder, and save the outputs from the form to a json file and save it locally. Your final implementation should look like the following.



    - The left blank area is to display a pdf
    - The left panel is to display rubrics. In your implementation you can choose names Field 1, Field 2, and Field 3. On the side of a rubrics name, you will have an input field accepting an integer value. Below that you should have a selector with four options with values corresponding 1-4. When a selector is selected its colour changes to blue and the corresponding value is displayed in the input field above it or if the user wants to put a value in the input field manually the selector corresponding to that value changes colour to blue (as shown above).
    - Below the three Rubrics form elements, you will have a feedback collector text input field. In the future (you are not expected to implement), the feedback can be sent to a slack channel or sent as an email when the post button is pressed.

2. Following Graph Data Visualization With GraphQL & react-force-graph – William Lyon (lyonwj.com) display an interactive graph data explorer on top of React Starter Kit. The desire is to produce something like the Skill Cluster DNA in Fresh Statistical Data for Python jobs in Germany | jobtensor. Your final implementation should show a graph (using data and implementation detail from the reference by William Lyon),

and on a card together with another empty card - following the spirit of the jobtensor.com page.

If you have any questions, you can contact yabebal using his email or telgram handle @yabiastro.