# Technology Assessment

## Exercise

**Description**

Using ***Angular*** or ***React***, Build a simple school management system where the administrator will be able to:

- Login
- View paginated lists of students
- Navigate to specific student to view his/her details
- Logout

You should use https://reqres.in/api/users?page=[page_number]&per_page=[students_per_page] to retrieve your list of students where page_number & students_per_page are parameters that shall be provided by your client to indicate the following:

- **page_number:** index of the page user wants to view [default is 1 in case parameter isn't provided]
- **students_per_page:** number of elements per page [default is 6 in case parameter isn't provided]

You should also use https://reqres.in/api/users/[student_id] to get single student's data where student_id is a parameter that shall be provided by your client while requesting the data which represents the unique identifier of the student.

Developed code should be pushed to GitHub with a clear README.md explaining how to build and run the code.

**Required Activities**

- Simple login screen with fake token stored locally
- Home screen which consists of a page of students records with columns {`first_name, last_name`}
- User can navigate to other pages
- User can specify the number of students to view per page
- On click, user shall be navigated to a new screen which displays all students details given from the api
- Logout
- Unit tests for the services using Karma
- Code to be generic and simple
- Clean code, type declaration, managed components life cycle & memory leakage avoidance are strongly advised
- Clear README.md that explains how the code and the test can be run and how the karma coverage reports can be generated

**Bonus Activities**

- Unit tests for homescreen & student screen components
- Responsiveness
- Use any state management paradigm of choice {NgRx, Akita, …}

Create a **GitHub repository**, ensure the name is generic and **doesn't** have any company names. Commit your code to the GitHub repository and share the link with us. Only share a link, do not send the actual code files

**Submission Form:** https://forms.gle/VXWsLABkW99BWx1Y8

## Follow up Discussion

After completing the exercise please be ready for 30 minutes' discussion on your key decisions, assumptions and rationale for your implementation.