

Problem to solve

Background

Keystone wants to build a website where potential students could search for courses and inform the institute about their interest.

Assignment

Create a web application where a user can:

- Search for courses
- Save a search for later reuse
- Save a course (similar to as favourite) for later quick access
- Apply for a course by sending their contact information to the institute through a form
- View already made applications

Assume that the search potentially needs to handle a much larger dataset than the sample provided.

You are expected to make reasonable choices as to where data should reside and how it should be managed.

For this assignment, support for multiple users can be disregarded.

Tools and technology

- We prefer Next.js for frontend. Alternatively, you can use plain React.
 - We are curious to understand how you would work with **Static Site Generation (SSG)**
 - The use of a component library could simplify the development of such an application at scale
- The backend code can be written in C#, Node.js or leveraging Next.js capabilities

Data source

You will be provided with a csv-file containing data on different institutes and their courses.