

Anyware Software (Fullstack Challenge)

Project Spec:

This project should present student quizzes and announcements data for the current semester.

Create a full-stack application that looks like the image below using (React and Redux) for the frontend part, and

(Express.js or Nest.js and MongoDB) for the backend.

Frontend Part:

- This dashboard should be rendered only to the logged-in users. Make a log-in/out button on the home page

that allows the user to login without any username or password. If the user is logged in, the dashboard is

shown, otherwise, the home page is shown. Make a Higher Order Component (HOC) called `requireAuth` that

renders the dashboard component only to logged-in users and redirects other users to the home page.

- The whole challenge should be responsive and can fit to any screen size.
- The application must be built using reusable components as much as you can.
- Use CSS3 and your preferred server-side CSS pre-processing platforms, such as LESS and SASS.
- The background and foreground of the links in the sidebar must be changed to white when the mouse hovers on it.

- Prepare your application to be translated in the future using the i10n concept and packages.

- Use your favorite test library to apply unit tests and integration tests to verify your code.

- There is no restriction on the colors and the fonts. Use your own favorites.

You are free to use any package in React.js. If you choose a framework that generates boilerplate code, please

specify in the README which code was written by you.

Backend Part:

- Create a web service that will be used to retrieve all announcement data.
- Create a web service that will be used to retrieve all of the quiz data.
- Make all of the CRUD operations for the announcement and quiz.

Be aware that we will mainly take into consideration the following evaluation criteria:

- How clean and structured your code is.
- How you follow Best Practices in your code.
- If you implemented the business rules correctly.

Delivery:

- Upload your code to a GitHub account, send the URL and specify the time you spent writing the challenge.
- (Optional) Deploy the challenge into one of the free platforms (Example: <https://www.heroku.com/>)

