

F. Karpman
(*F. Skaryna GSU, Gomel*)

DEVELOPMENT OF A USER INTERFACE FOR AN EDUCATIONAL SERVICE PROVIDER

Рассмотрены вопросы разработки пользовательского интерфейса для провайдера образовательных услуг.

The project is a web application for providing educational services online. The application is divided into several roles – student and teacher. The application has several modules available depending on the user's role. The teacher has access to Thematic Planning, Journal, Video Conferencing as a creator, Lesson Planning, Diary, Library, and Homework as a reviewer. In turn, the student has access to Videoconferencing as a participant, Diary, Library and Homework.

The web application has a pretty interesting interface, repeatedly tested and approved by the testing team. Given the fact that most users use

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mobile devices to connect to the network, the interface has been adapted for most popular mobile devices.

As tools for the implementation of the project, the choice fell on the React library in conjunction with the typescript, which is rapidly gaining popularity at the moment, and also differs from its competitors – Angular and Vue, in simplicity and speed. As an addition to this library, plugins such as Redux and React Router were used, as well as small third-party libraries, which made it possible to implement a full-fledged Single Page Application. Java was used to develop the back-end part. The application passed all stages of testing, all the shortcomings were corrected and all the necessary additions and changes were made.

A lot of work was done, as a result of which a stable, intuitive and interesting product was obtained, qualitatively different from its competitors both from the teacher's side and from the student's side.

Thanks to this application, it becomes possible to avoid physical contact between students and teachers during the educational process, which prevents the spread of coronavirus infection. Also, this application is designed to help teachers in planning the educational process, to bring it to a qualitatively new level, to make classes more attractive for students using modern technologies.