

The field of education is rapidly evolving, with distance learning becoming an increasingly popular method of teaching. With the advent of technology, teachers are seeking effective ways to educate their students even without physical presence. In this bachelor's thesis, we are developing a web application that will allow teachers to create their own online educational courses.

The proposed web application will provide teachers with a user-friendly interface for creating and customizing courses according to their specific needs and preferences. Teachers will be able to easily design course content, divide the course into chapters, incorporate interactive components, and much more. The application will create an interactive learning environment for both students and the wider public involved in the course "*AI v kontextu*", which is the focus of this project. The flexibility of the application will allow students to choose when and where they participate in the course, while the pace of acquiring knowledge will adapt to their individual learning speed. The attractiveness of studying is enhanced by the ability to engage in shared activities such as polling, verifying acquired knowledge, and receiving feedback through knowledge quizzes.

The application is developed using the React framework and utilizes the online Firebase Firestore database. Its interface has been designed based on the principles of Material Design.