

INTRO/ABSTRACT

This system aims to create an interactive environment for teachers to view/grade/edit student submission in virtual classes.

- Upload PDF files to the system and save files to the server
- Record audio online and save audio to the system; also, the audio can be played online
- Upload and play video or video link
- Split file
- PDF edit: be able to view the pdf file and leave comments

METHODS

Our team decided to use RazorPages because of its simple and effective nature. We used a SQL database for the audio and PDF files, and utilized YouTube embed for the video functionality. We also utilized two open-source libraries for PDF manipulation, iTextSharp and Aspose.PDF.

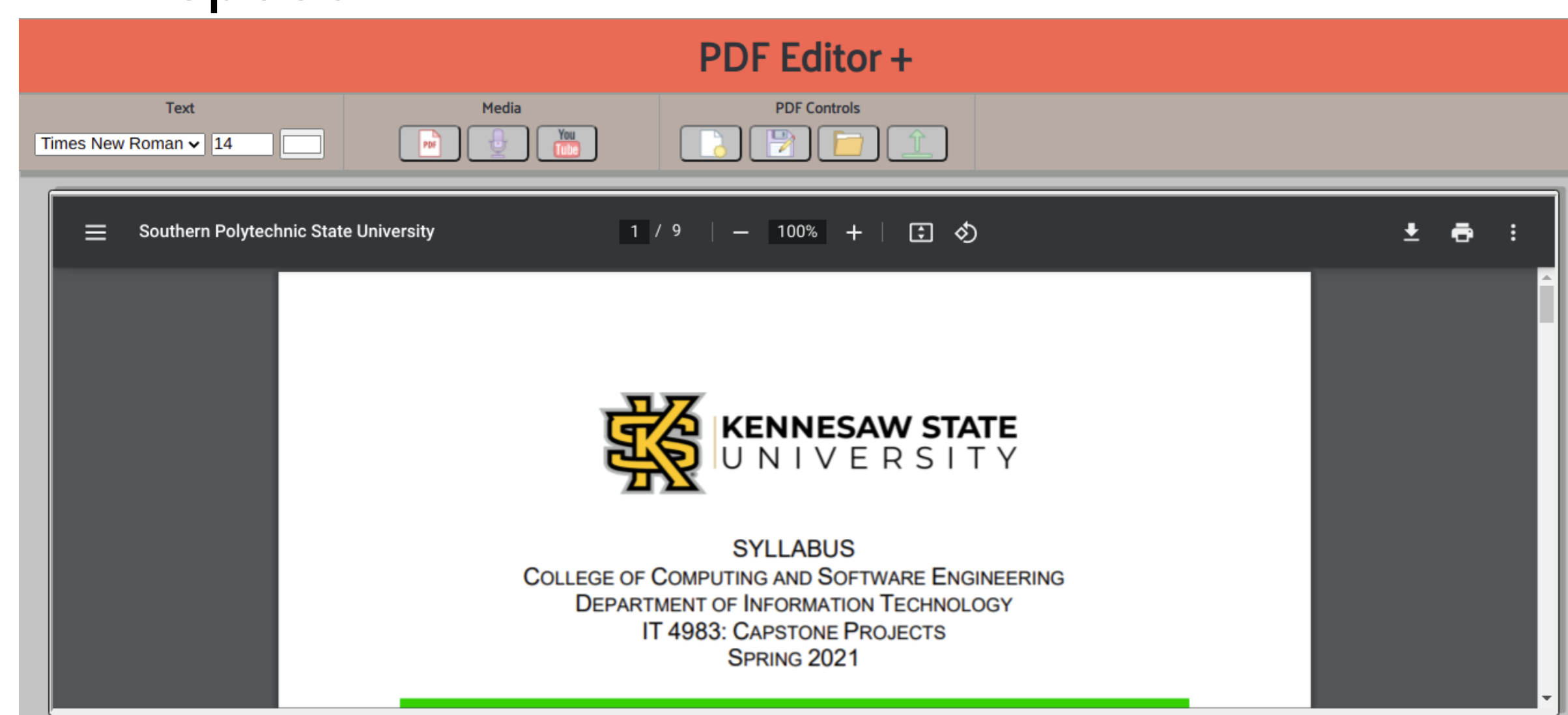
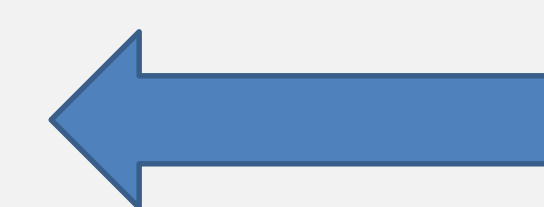


Fig.1 The main UI of our application

RESULTS

Our team successfully created an application which fulfills all the necessary requirements and allows the user to provide feedback for a PDF file. The application is ready to be integrated into a larger .NET application for teaching or any application where you need to provide feedback on a document.

PDF editing web application built for online classrooms; featuring text, audio, and video feedback options for instructors. Built with .NET core, JavaScript, and SQL.



Please find out more about our project on our project website.