

## 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.

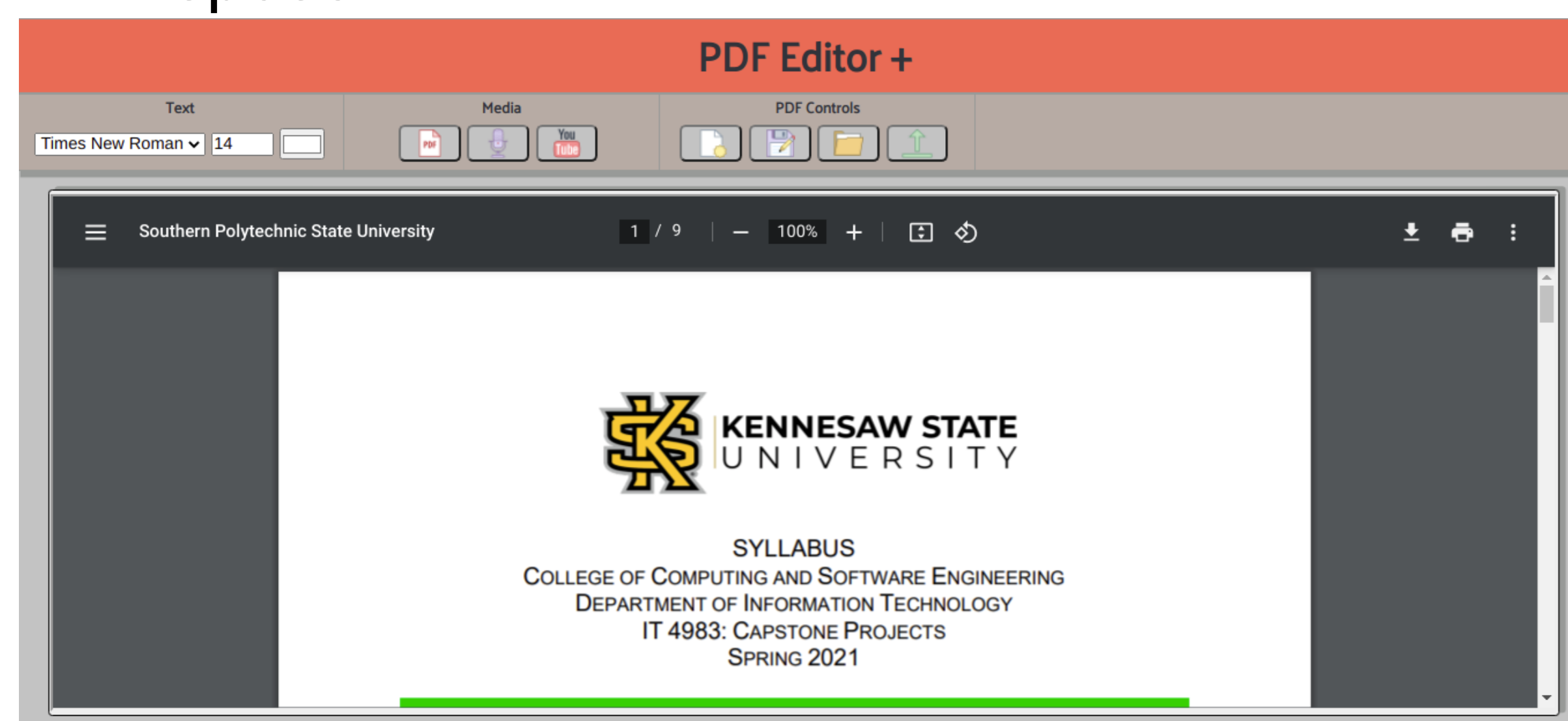
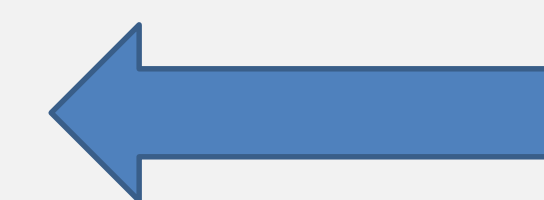
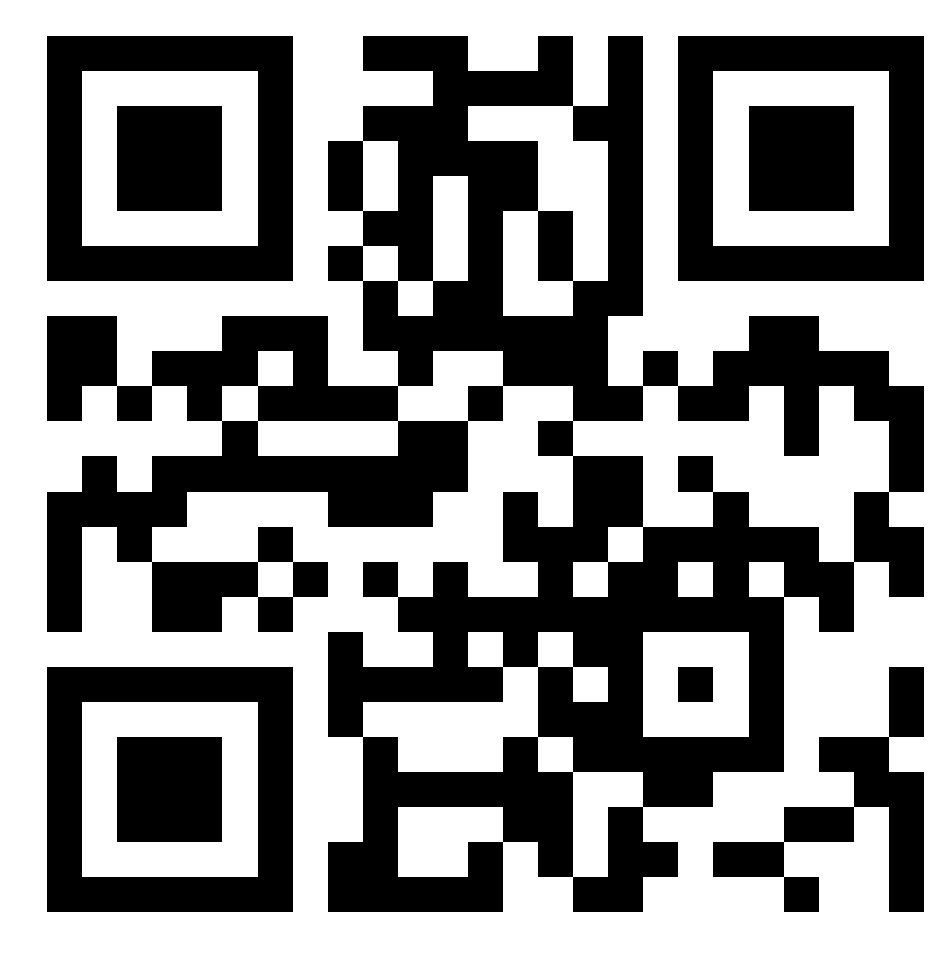


Fig.1 The main UI of our application

## 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.