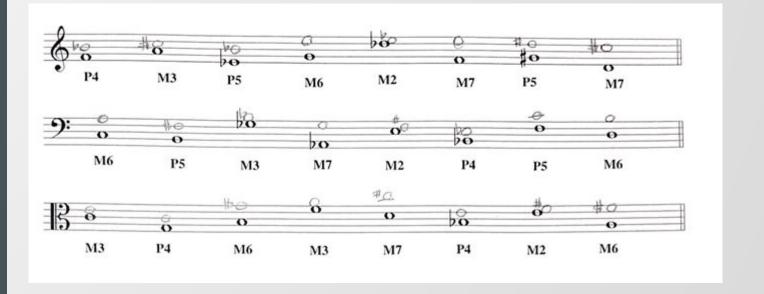


CHORDSCORE

RUTH BEARDEN, ZSAVAUGHN DANIEL, DAISY HERNANDEZ, TADIWA MANGADZE, AUSTIN ROBERTS

INTRODUCTION

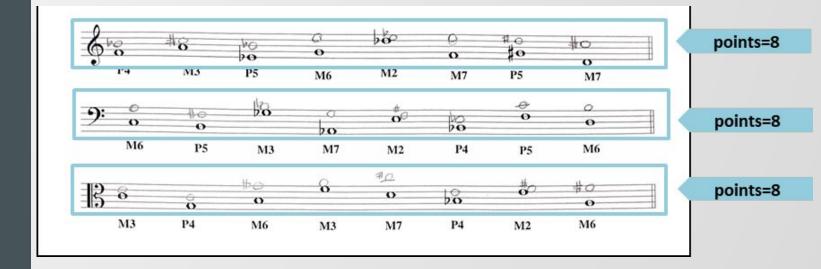
- How it works...
 - Student
 - Professor
 - Optical Music Recognition (OMR)



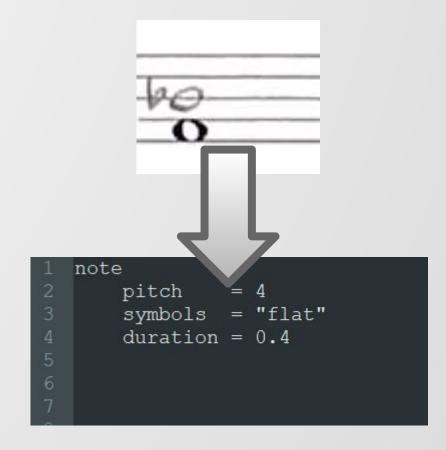
- How it works...
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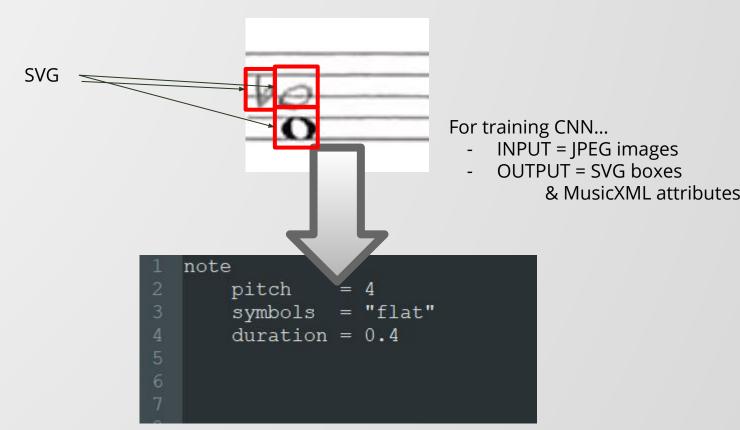
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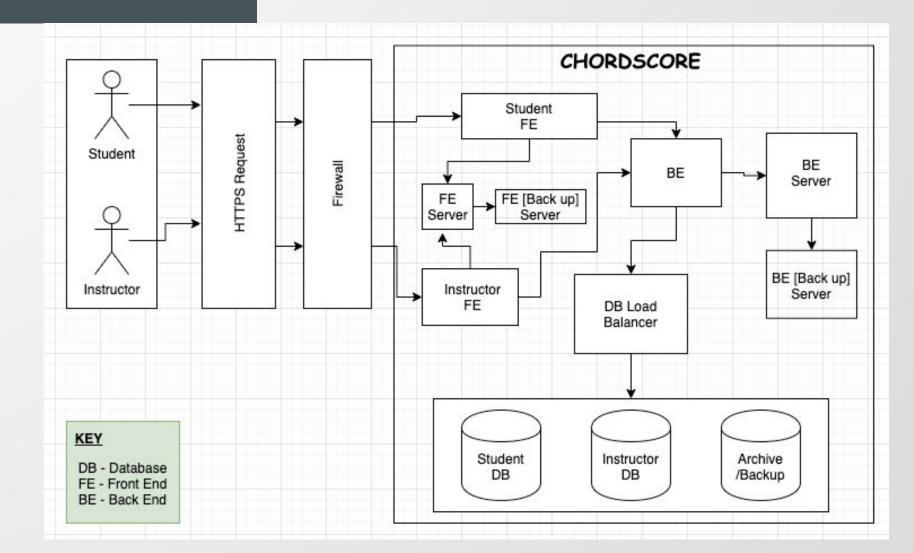
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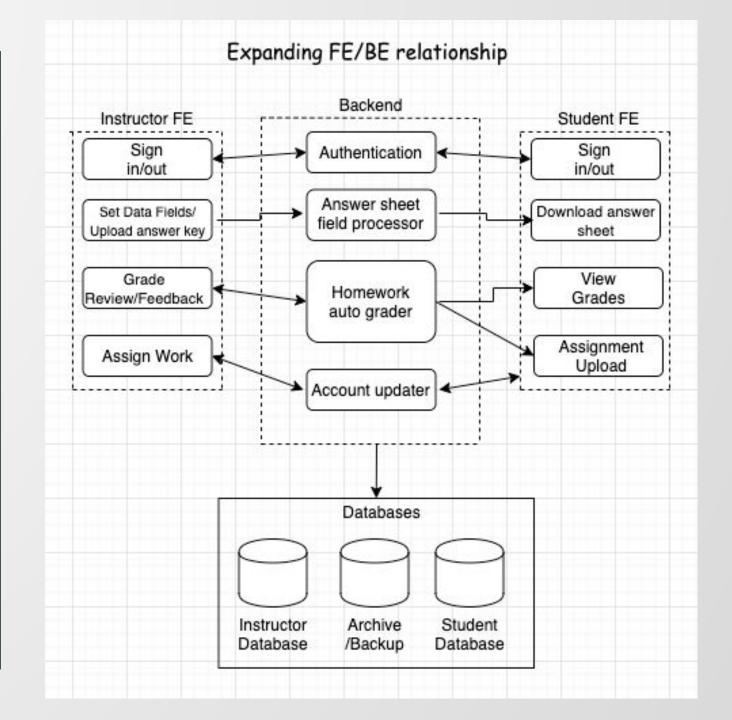
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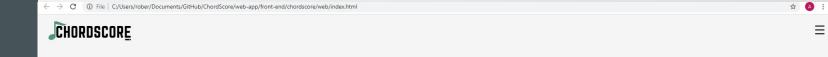


WEB APP ARCHITECTURE



CONTINUATION



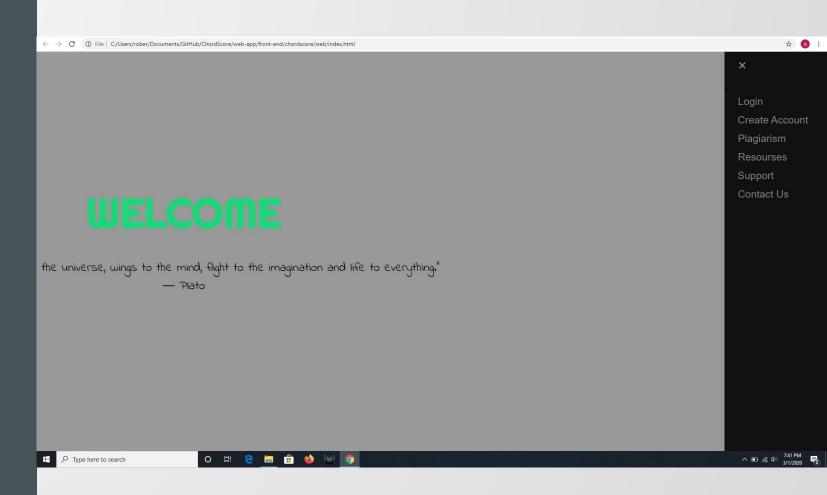


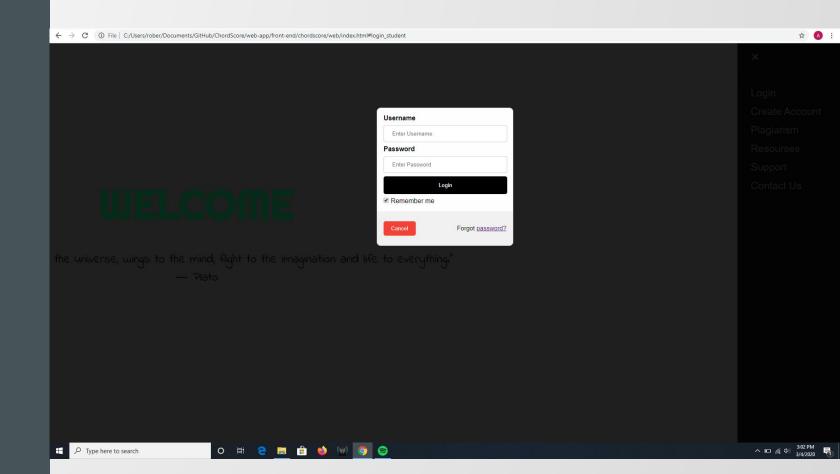


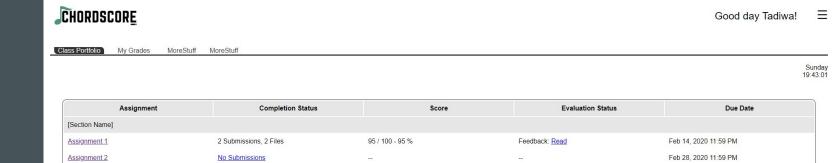
"Music gives a soul to the universe, wings to the mind, flight to the imagination and life to everything."

— Plato















← → C ① File | C:/Users/rober/Documents/GitHub/ChordScore/web-app/front-end/chordscore/web/home.html

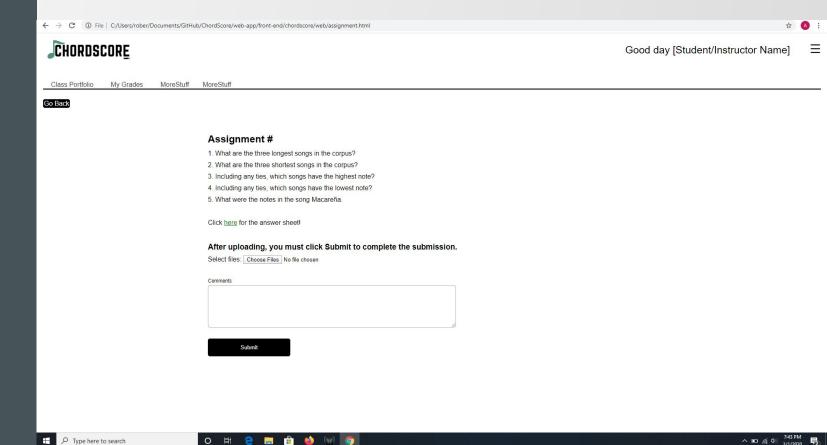














Grade Item	Points	Grade	Feedback
Assignments		95%	
Assignment 1	9.5 / 10	95 %	35, not the same as the BNF rule due to the parentheses.
Assignment 2	/ 10	%	-
Quizzes		90%	
Q1	9.5 / 10	95 %	good job
Q 2	8.5 / 10	85 %	see me















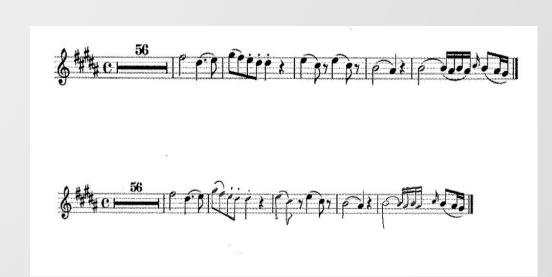


DATA SAMPLES

- Modeling music notation with a Neural Network requires data samples similar to homework expected from students
- Data collection sheets
 - Partially handwritten notation
 - Printed notation only

DATA SAMPLES





WRAP-UP

Next Steps

- Build, train, and evaluate supervised CNN model with...
 - INPUT as JPEG images of the music notation (handwritten and printed)
 - OUTPUT as...
 - **bounded boxes** from music SVG files for **object detection**
 - pitch, note symbol, and duration attributes from MusicXML files for note attribute prediction