

**Deliverable 1 – Shaped Work**  
October 11, 2023

André Lacroix  
300117612

SEG 4105  
Andrew Forward

# Table of Contents

Overview.....1

Problem.....1

Appetite.....1

Solution.....1

No goes.....2

## Overview

Our application, Academic Team Management, has been requested by Timothy Lethbridge for our capstone. It serves as an intermediary between students and Timothy for organizing groups and projects with more automation than his previous solution for this problem (excel sheets).

## Problem

Currently, our project has a variety of tables that you can export to csv files. However, our client would like to import one of his existing sheets to populate the fields. Specifically, he would like to import a student sheet containing a certain format into our table. Our student table matches the fields used by his student table, so the mapping of the fields is self-evident. Below is the csv file (top) linked to each of the fields of our table (bottom).

	A	B	C	D	E	F	G	H
1	OrgDefinedId	Username	Last Name	First Name	Email	Sections	Final grade	End-of-Line Indicator
2	83974	janeDoe	Doe	Jane	<a href="mailto:jane@gmail.com">jane@gmail.com</a>	A	A+	#

CREATE NEW STUDENT

EXPORT ALL DATA

IMPORT STUDENTS

ActionsorgDefinedIdUsernameLast NameFirst NameEmailSectionFinal Grade

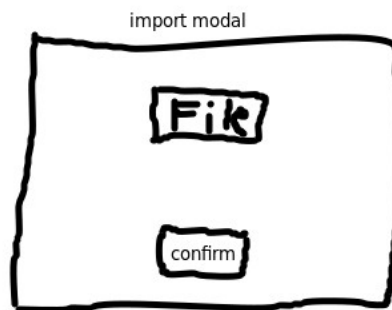
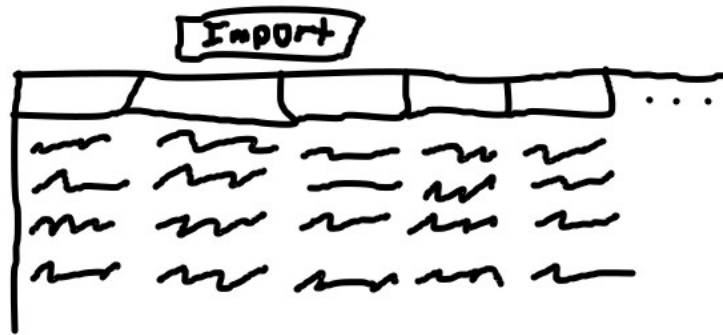
Only the end of line indicator is not used, but it's not valuable for us.

## Appetite

The technology used to export to csv can also be used to import from a csv file to our table. We are confident that this is a smaller change that would provide a large benefit to our client, as their table is rather large.

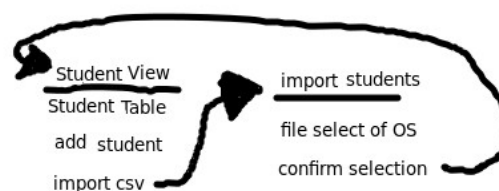
## Solution

The proposed solution is to add a new button to import students from a csv file and convert the data from the csv file into a format readable by the table. By using the same technology we use to export our table to a csv file, we can import a csv table and turn it into a format legible to our table. The button will be responsible for opening a modal that will allow for a csv to be selected and to confirm the selection before importing the data into the table. Below is a breadboard mock up.



The table (top) and modal (bottom) have both been shown here.

The modal should be displayed when the button is pressed, and will close itself after the csv has been selected and confirmed. Of course, there should also be an option to leave the modal without importing data, although that will be left up to those responsible for the implementation. The flow diagram has been added below to further illustrate the sequence.



This is only the happy path. Cancellation is again left to the implementation.

## No goes

To ensure the project can be completed in the allotted period, no other templates than the one used by the client will be supported, even if they contain all the other columns. In addition, there will be no customization available from the editing modal, such as whether to only import certain columns or to not import certain rows. Furthermore, files will only be selectable from the local system, so files from services such as Office365 and Google Drive will not be importable.