Jack Bitzel CMSC 447 Individual Assignment

To run the project you must have Flask and flask_sqlalchemy installed on your machine. If they are not already installed, run the following commands from a shell:

- -> pip install Flask
- -> pip install flask_sqlalchemy

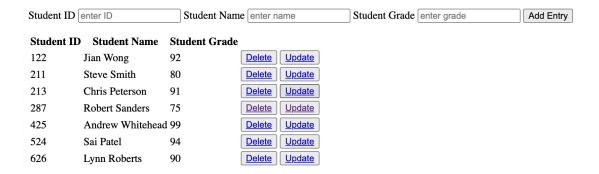
Once you have those modules installed you should be able to navigate to the folder with my project files and run the python file "app.py" with

-> python3 app.py

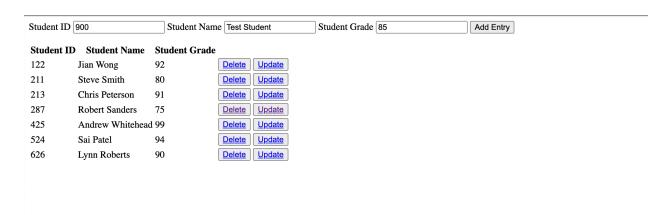
This will give you an http address which you can copy and paste into a browser.

* Debug mode: on * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit) * Restarting with fsevents reloader * Debugger is active!

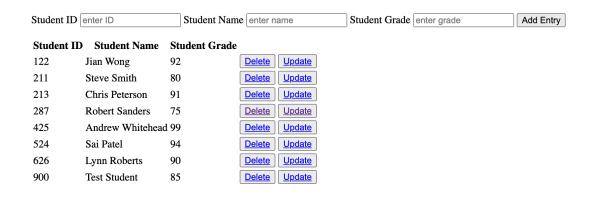
This will bring up the following web page



From here you can enter information for a new entry. In this example I'm entering student ID 900, student name "Test Student", and student grade 85.



Here is the updated data after clicking add entry.



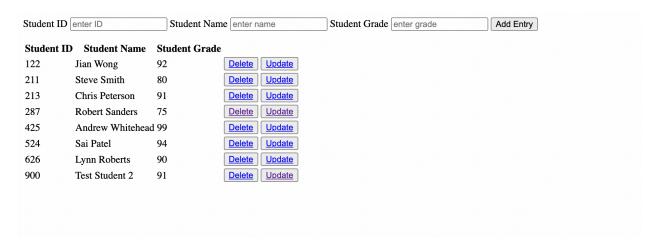
You can also update existing rows in the table. Here is the resulting page after pressing the "update" button for the newly created student.

Student Name	Test Student	Student Grade	85	Update
			-	

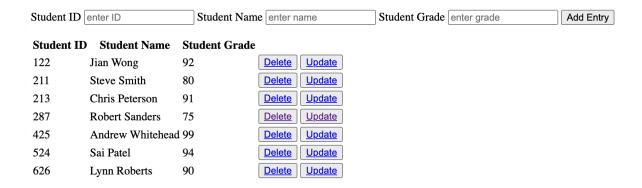
If I want to change the student name and grade, I can do that.

Student Name Test Student 2 Student Grade 91 Update

Clicking the "update" button will update the data and return you to the previous page.



Pressing "delete" will remove the row from the data table.



WARNING! I was unable to implement error handling for duplicate student ID. If you try to use an existing student ID for a new entry you will get errors and will have to CTRL-C and rerun the program from your shell.