

Lab 1 Part 2

~ Adapting Program from Part 1 ~

CSC 365 - 07/08

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Team Members:

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Initial Decisions:

Programming Language: *Python*

Libraries: *Pandas*

Environment: *Atom (Teletype), Terminals*

Architecture:

Data Structure: *Pandas DataFrame*

Task Log:

Task	Member	Total Time
Read in new files	Whitney	5 min
Changing Previous Functions	Both	10 min
NR1	mak	5 min
NR2	mak	5 min
NR3	whitney	30 min
NR4	whitney	5 min
NR5	both	~1 hour

Testing:

- When testing NR3 we realized we implemented the teacher section of the grade() function wrong because we forgot that "Grade" was not one of the attributes of Teacher. Once we realized this we were able to restructure that section to get the Classroom information from the student table and then check that against the teacher table to get the list of teachers for a given grade.

- Then we merged the tables and changed the function again.

Final Notes:

- At NR5, we realized that we should have joined the out two tables (students and teachers) together. So, we went back and merged the tables in main() and then passed that to everything.
- We could have added more features to NR5 - such as adding more sorting or display features to each function. For example, if you are getting the average GPAs across all Grades, it could be useful to see the most common Bus they take. However, we put an option to display the entire database, so that should be sufficient. What would be even better would be a search function - which wouldn't be too hard since we are using pandas dataframes - but the dataset is so small we didn't do it.