

Homework for Lecture 8

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Deadline: 2018/11/16

Submission link: <https://www.dropbox.com/request/Z9DpjkO5xp4iylqFVD7L>

Submission Format: A single zip file containing all codes with file name
"Homework_8_(yourname).zip"

1. Add File I/O function to Grade System

Starting from `grade_file.py`, build a grade system with exactly the same functions as `grade_module.py` with the following extensions

- Save and Load function (in any format you like)
- Export and Import function (in readable CSV format)

Test script: `grade_file_test.py`

Test output: `grade_file_output.txt`

2. Add Validation function to Grade System

Starting from `grade_complete.py`, build a grade system with exactly the same functions as `grade_file.py` with the following extensions

- Load function should be able to handle the case that file does not exist
- Import function should be able to handle the case that file does not exist
- All other functions with specified value range/ type should be correctly validated before actually stored in the database. Raise an `ValueError` when the input is incorrect.

Test script: `grade_complete_test.py`

Test output: `grade_complete_output.txt`