Career Day

Project

Quick Overview

- Upcoming Events
- Project

Career Day Planning

- How can Mrs Feldbush assign students to sessions for Career Day?
- Some presentations filled up (have to limit students)
- Some presentations didn't get as much interest (need to randomly assign students to fill)
- Students have ranked choice selection
- Preference given to Seniors and Juniors
-

CSV Files

- How do we easily process sheets from spreadsheets with programs
- Use library
    - Python can read / write complicated sheet data
    - Free and paid options
    - File format specific (ODT, .xls, .xslx, etc)
- Comma-Separated-Value
    - Table cells separated by commas
    - 1 line of data per row
    - Easy to process with standard input, output programs

Session Info File

Line 1 = Number of sessions

Line 2 = Max students per session

Line 3 = Min students per session

Lines 4 +

- Subject ID (unique number)
- Subject
- Teacher of Room
- Presenter

Student Selection File

Line 1 = Number of students

Line 2+

- Timestamp
- Student First Name
- Student Last Name
- Student Home room (Last FI)
- Student First period (Last FI)
- Student ID
- Grade
- 7 cols (1st col = highest choice, last col = lowest choice)

Output File

Line 1 = Number of students

Line 2+

- Student First Name
- Student Last Name
- Student Home room (Last FI)
- Student First period (Last FI)
- Student ID
- Grade
- 8 cols (1st session subj id, 1st session teacher, 2nd session subj id, 2nd session teacher, …)

Rubric / Evaluation

- Did your program work
    - Min students per session OK
    - Max students per session OK
    - Each student has 4 sessions
- Quantitative evaluations
    - Num students going to sessions not picked
    - Num students got their 1st pick
    - Num students got their 2nd pick
    - Num Jrs/Srs going to sessions not picked
    - Num Jrs/Srs got their 1st pick
    - Num Jrs/Srs got their 2nd pick

Getting Started

WestSchoreCS Club Github

Craft some sample challenge data

Attributions

-