

JSON Availability Overlap

To-Run

1. Open a CLI
2. Change location so that `find_overlap` is your working directory
3. Enter the command: `./main.exe [formatted JSON file (see "JSON File Format")]`
4. Executable will create a JSON file, `results.json` (this contains the overlap between availability)

JSON File Format

- Each key-value pair is the employee name mapped to an object
 - ex. `"Joe": {...}`
- Each object contains key-value pairs mapping the days of the week to the respective availability for that day
 - ex. `"Monday": "1:00 PM - 2:00 PM"`
- Several intervals are separated by the `,` delimiter.
 - ex. `"1:00 PM - 2:00 PM, 3:30 PM - 5:00 PM"`
- If there is no availability for a day it is denoted by `"N/A"`
 - ex. `"Tuesday": "N/A"`

Below is an example of a JSON file with the correct format:

```
{
  "Employee_1": {
    "Monday": "1:00 PM - 2:00 PM, 3:30 PM - 5:00 PM"
    "Tuesday": "N/A"
    "Wednesday": "1:00 PM - 2:00 PM, 2:30 PM - 5:00 PM",
    "Thursday": "8:00 AM - 2:00 PM, 4:30 PM - 7:00 PM",
    "Friday": "9:30 AM - 12:00 PM"
  },
  "Employee_2": {
    "Monday": "1:30 PM - 4:00 PM",
    "Tuesday": "1:00 PM - 2:00 PM, 2:30 PM - 5:00 PM",
    "Wednesday": "N/A",
    "Thursday": "1:00 PM - 5:00 PM"
    "Friday": "N/A"
  }
}
```