

WRVU Application Prototype

Purpose: For WRVU Nashville, Vanderbilt's college radio station, the Training Director is in charge of placing dozens of trainees with DJs based on personal times and preferences. This process can take dozens of hours to coordinate, so this app helps to streamline this process.

Client Side User Interface:

- On WRVU website, or emailed out to trainees.
- Google surveys API? Make your own? Other?
- Fill out:
 - Name
 - Email
 - Top 5 Slots
 - Click on a grid of available times
 - From scheduling container [DJ name, Show Name, Date, Time]
 - Preferred DJ one
 - Preferred DJ two
 - All available times
 - Grid of available times

User Interface on Training Director Side

- Container with DJ name, day, time, email
- Enter in each one based on the current schedule
- Container choice: map? Hash table? Need in order of Date/Time
- Visual Representation of this

Processing

1. Go through preferred DJ 1
 - a. Find DJ, See if have ≤ 2 trainees, put there and stop, if not continue
2. Do same for preferred DJ 2
3. Go through each of their top time slots specified
 - a. Check each one, if ≤ 2 trainees, place, if not then keep going
4. Go through all available times
 - a. Check each one, if ≤ 2 trainees, place, if not then notify training director that there are no available times for this trainee

Data Collection

- Sheets or Excel API
- After processing, insert in spreadsheet

Notification

- After Training Director checks and sees if the pairings are correct:
- GMAIL API
 - One email type for graduate students/ students with experience
 - Other email type for regular trainee
 - Put in drafts

- Email DJs first with pairings, once the Training Director gets all their responses, can then set up that it emails the trainees.

Training Maintenance (possible extension to program):

- Overall account for each trainee with their assignment
- Attached to online programming tool, so that it can track a trainees overall programming progress
- Blog post insertion area
 - Emails to me and blog editor
- Once the system has 5 training, 5 CDs and 1 Blog post→ sends them online test.
- Once finished online test-> email me to set up hands on test.

Other:

- Different class for different semesters
- Each trainee and DJ has own class
- Sorting and access mechanism for DJ shows→ able to add new shows or remove if needed
- Way to manually insert information for certain cases
- Way to check that the client inserts correct information.

To Do:

- Code this
 - See if the WRVU programmer knows how, if not then here I go
- Actively test this