

## BACKGROUND

This year, the S+DS<sup>dept.</sup> adopted Undergraduate Learning Assistants (ULAs). ULAs serve classes in a very similar capacity to Graduate Student TAs/TFs.

## PROBLEM

No system currently exists to organize the ULA recruitment + class assignment processes. The protocol that is currently in place is inefficient and the whole process is frustrating for students applying to be ULAs, faculty hoping to have ULAs in their classrooms, and administrators who oversee the process/do hiring.

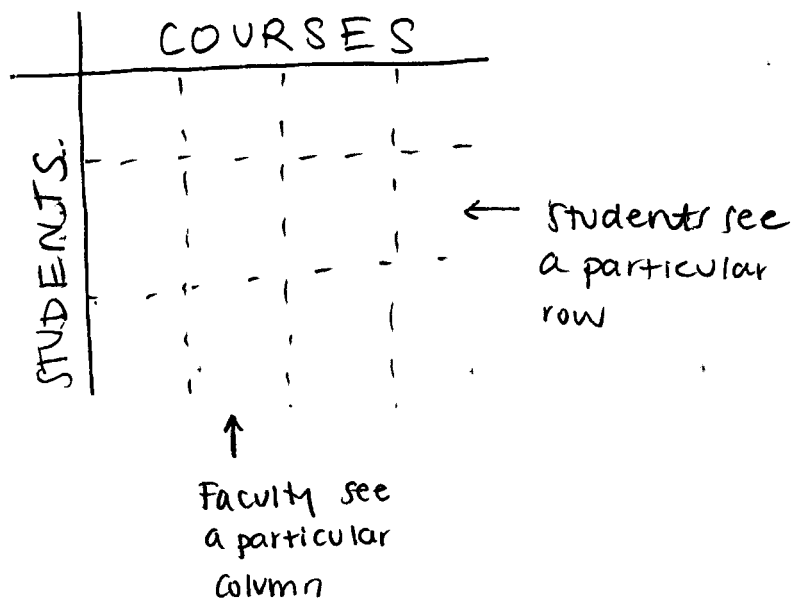
## THE SOLUTION

This project.

## GENERAL OVERVIEW (STRUCTURE)

- Student interface
  - Students provide basic information about themselves, the courses that they've taken
  - Students rank their preferences in terms of classes that they would like to ULA
- Faculty interface
  - Faculty see the names and meta-data of students interested in ULAing their class (minus student preferences)
  - Faculty rank students to be their ULAs according to their preferences
- Stable matching algorithm
- Administrator (Dan+Jay) interface
  - Dan+Jay observe matching algorithm results and decide on final assignments.

## A helpful visual



## Misc. Qs

- recommendations? (faculty recommending ULAs)

## STUDENT INTERFACE

### Page 1 - metadata collection

- Last name - alpha input
  - First name - alpha input
  - Class year - numeric input/dropdown
  - Major - alpha input
  - Courses interested in ULAing - checkboxes
- } Metadata about classes on hover?

### page 2 - Preferences

→ Students are ONLY asked about the courses that they checked boxes for.

For each course:

- Have you taken the class? - checkbox (Y or N)
  - ↳ Yes:
    - grade received - dropdown
    - when taken - dropdown
    - professor - alpha input

↳ No: • why suitable? - alpha input

⇒ Check inputs matching (Y+grade, N+no grade)

- Rank - numeric input [NA, 0 - (num classes checked)] ⇒ check inputs (no ties)

## FACULTY INTERFACE - metadata observation and preferences

- need some way to log-in to view relevant info
- see students in alphabetical order (last name)
  - next to each student they see whether or not the student has taken the course and the relevant metadata
  - upon hovering over the student's name they will see year, major, grade received (?)

- # VLAS - numeric input

- can be overridden by administrator

- Rank - numeric input NA, 0 - (num interested students)

## GENERAL PROCESS

