Overview
At the beginning of the semester, Audrey Ebert, Stephanie Prohaska, Amir Danial Mohd Azrin, and Nicole Trevisani were assigned to the PSU Psychology sponsors. The purpose of this project was to make an efficient system for the PSU Psychology Department to match teaching assistants to professor courses. The previously used system was very time consuming and difficult to implement. Therefore, the team agreed that by the end of the semester, the PSU Psychology Department will receive an automated teaching assignment system to match graduate students to psychology faculty courses.

Objectives
- Learn how to navigate through Qualtrics
- Revise student and professor Qualtrics surveys
- Engineer an automated TA assignment system
- Ensure the automated system is user friendly, efficient, and can be easily updated to reflect yearly changes

Approach
- Learn how to navigate through Qualtrics and optimize input for future code
- Edit Qualtrics surveys and acquire feedback from PSU Psychology department
- Finalize Qualtrics surveys
- Determine optimal software to utilize for creation of automated system
- Create a Code Hierarchy Chart to use as a guide for code creation
- Acquire feedback from PSU Psychology department and finalize chart
- Create first prototype using Excel Macros
- Create data to export from Qualtrics survey to test the prototype
- Acquire feedback from PSU Psychology department and implement changes
- Finish final deliverables and present project

Outcomes
- New Qualtrics surveys include a schedule matrix that eradicated the department’s need to download each individual schedule
- The automated TA assignment system reduced the risk of human error, reduced the time required, and increased user friendliness
- Time required for this assignment process was reduced by about 93.33 %