



EPPS 6354 FMP PARTICIPANT MANAGEMENT SYSTEM

BY JANNELLE NAVALES

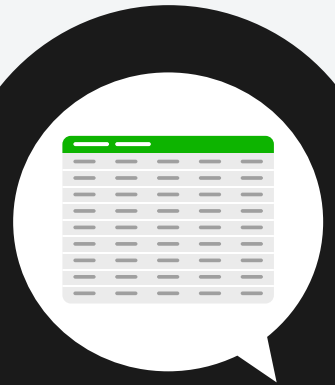
WHAT IS FMP?

The **Freshman Mentor Program** is a program offered by the **Office of Undergraduate Education** at the University at Texas at Dallas to connect incoming first-time-in-college students with upperclassmen who have volunteered to serve as mentors.

Mentors and mentees must go through a **multi-step application process**. Currently, FMP staff stores data for each step across different **Excel spreadsheets** in **Box**, our cloud system.



PROBLEMS WITH THE CURRENT SYSTEM



Filtering through data can be time-extensive, and can even cause the spreadsheet to become inaccessible, resulting in the reupload of documents.

LARGE DATA VOLUME



Transferring data between documents/rows can result in inconsistency and errors, resulting in negative feedback from participants later on in the process.

LOSS OF INFORMATION



While it would be efficient for multiple users to manage the data at the same time, the mechanisms of Excel Online make it difficult.

MULTIPLE USERS

WHY THIS PROJECT?

Purpose



The purpose of creating this project will allow for Freshman Mentor Program staff to easily look up and manage participants.

Users will be able to filter participants by individual attributes, as well as easily identify mentor and mentee pairs without viewing excessive information.

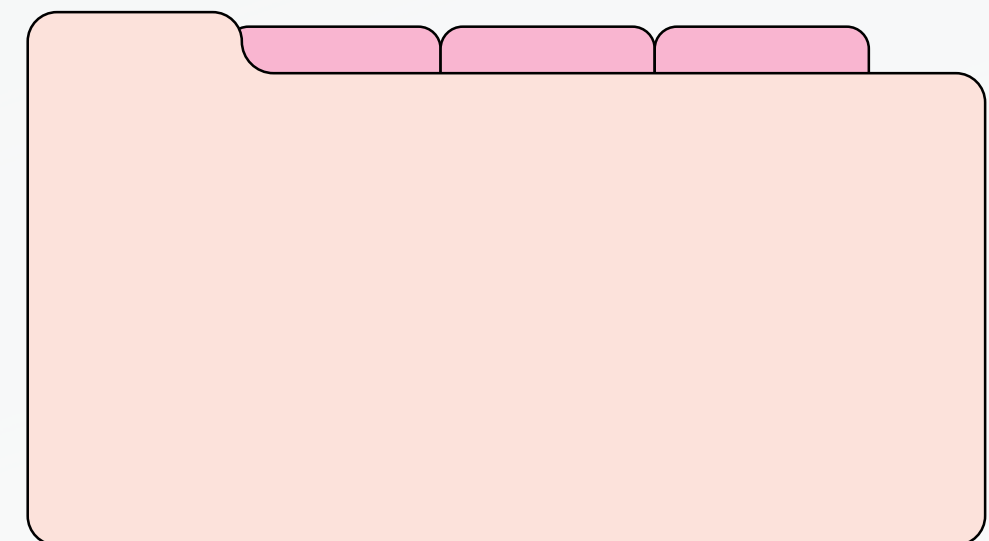
if time permits, a geography feature will allow users to see the distribution of participants, which can be used to inform the program's budding initiative in marketing to different high schools in the area.

Functions



MORE DETAILS

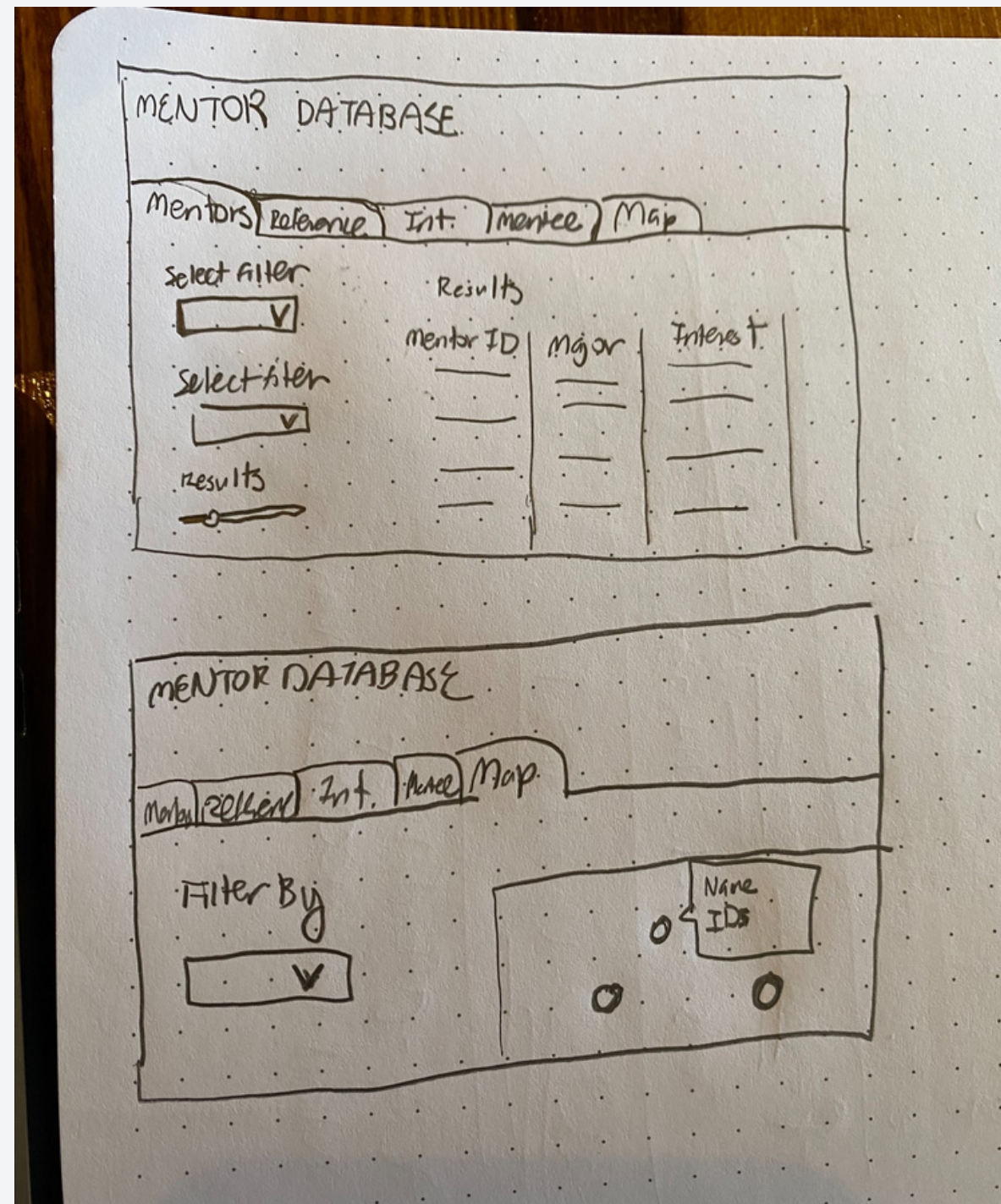
- Due to the **sensitive nature of student data**, identifying attributes, such as ID's, names, and emails, will be changed, and/or student data from over 4 years ago will be used to not compromise the privacy of current UT Dallas students.
- As of now, I plan to use an interface through **Shiny apps**. User would be able to select choices/filters, and move between tabs.



SKETCHES OF INTERFACE

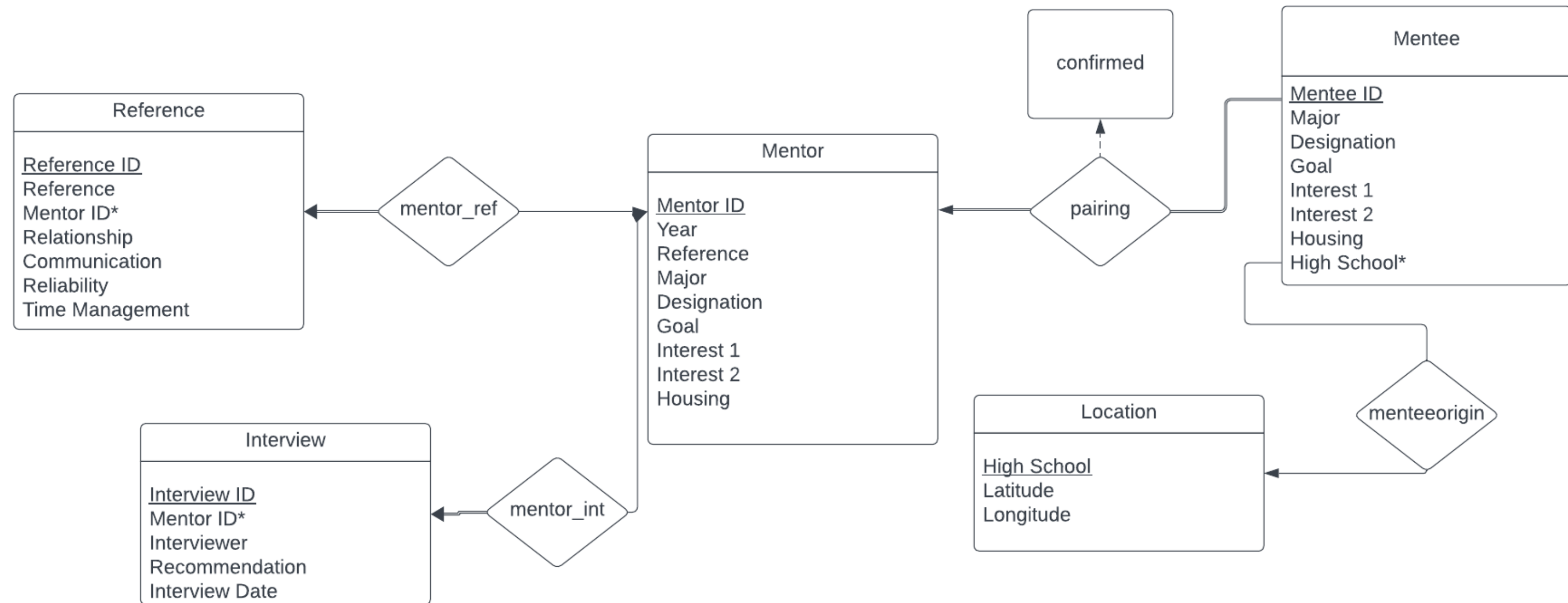
Tabs are listed **left to right** based on **step** in the pairing process.

Choices/filters to the left of screen influence data display on right.

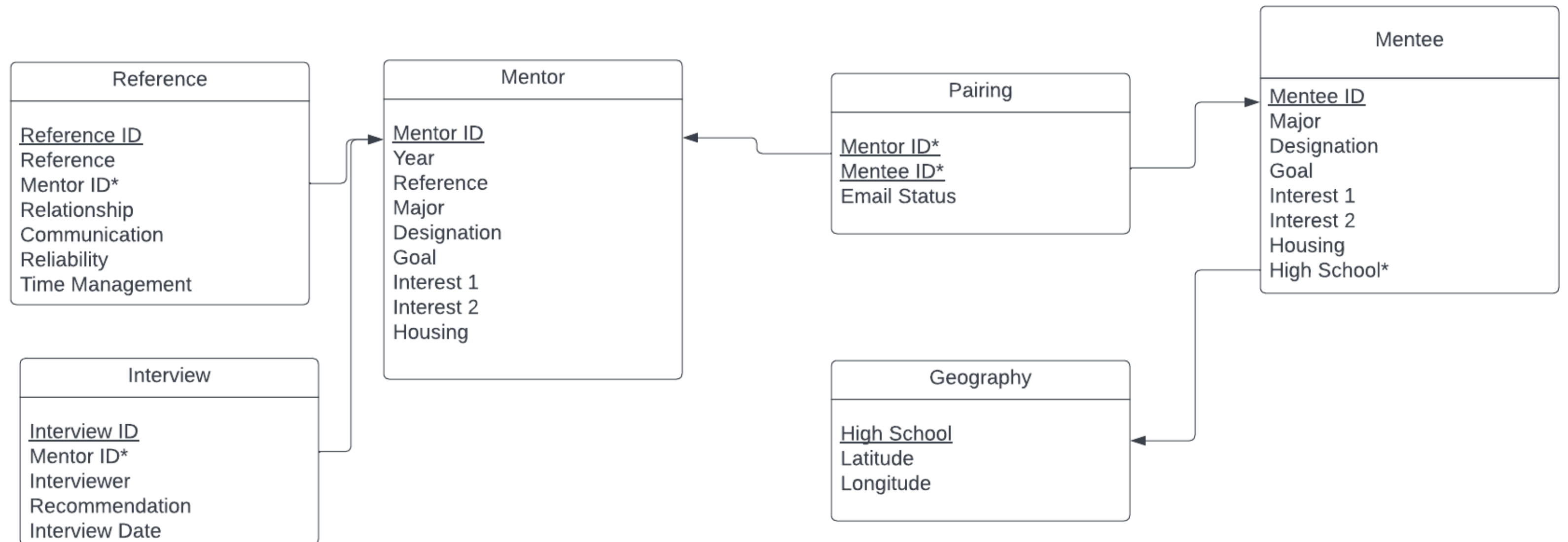


For the map feature, the goal is to have icons display information while hovered over.

ER DIAGRAM



SCHEMA



THANKS FOR VIEWING!

Questions? Please leave suggestions!

