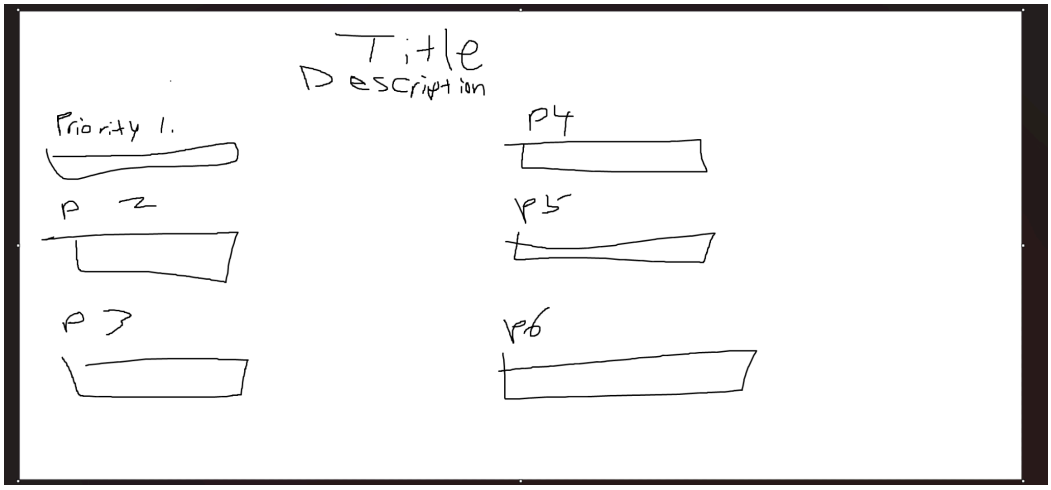
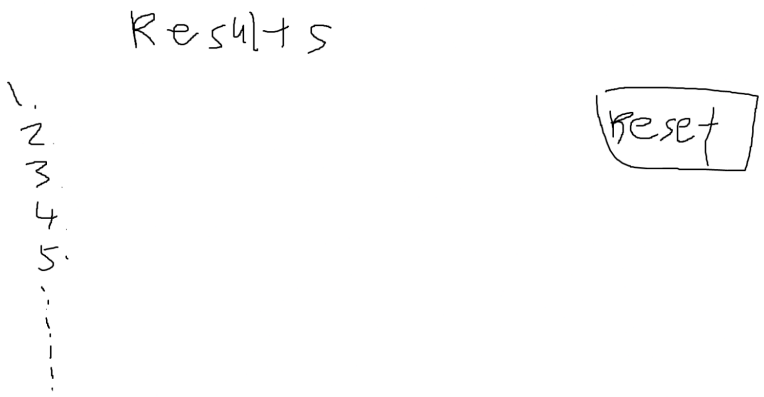
- **Team Name:** County Rankers
- **Team Members:** Yash Patel, William Chi, Philip Valvo Schnotalla
- **Project Title:** County Rank
    1. **Problem:** We want to design a system that ranks counties across the U.S. based on customizable demographic metrics such as income or education level. This system will assist the users who are considering moving counties and need help finding the “best” county based on their preferences.
    2. **Motivation:** As people who have moved counties and states, we understand the difficulty choosing a location that is the most beneficial to us. Tons of research and time goes into this and we want to make it more easier and save the users time.
    3. **Features**: We consider the problem solved when the user can rank all counties based on selected priority metric. For example the user can retrieve top 10 counties by education using Max-Heap or run range queries for counties with populations between 10,000 and 40,000 using B+ Tree.
    4. **Data**: https://corgis-edu.github.io/corgis/csv/county_demographics/
    5. **Tools:** C++, Max-Heap/Min-Heap, B+ Tree, CLI
    6. **Visuals**:





7. **Strategy**: Max-Heap/Min-Heap, and B+ Tree
8. **Distribution of Responsibility and Roles:**
    - Yash - Max-Heap/ Interface
    - William - Min-Heap/ Interface
    - Philip - B+ Tree/ Interface

- **References**

https://corgis-edu.github.io/corgis/csv/county_demographics/