Class 11 Final Project
Elements of Databases
May 6, 2022
Reminders

• Course Instructor Surveys (available until 5/11)
• How to request additional GCP credits ([link](#))
Final Project Milestone 2

- **Batch inserts:**
  - Batch sizes: 5K, 50K, 500K statements
  - MySQL: `execute` -> `executemany`
  - MySQL: Increase packet size: 32M -> 512M
  - Postgres: `execute` -> `execute_batch`

- **High memory database server:**
  - `n1-standard-8` -> `c2-standard-30`
  - 32GB RAM -> 120 GB RAM
  - 8 CPUS -> 30 CPUs

- **High bandwidth database server:**
  - 32 Gbps -> 50 Gbps
Milestone 2: The How

- Assignment sheet, note the hard deadline
- Requires two CPU quota increases (link)
- Continue using your group’s assigned breakout room
- If you get stuck, come to the main room and use the chat
- TA will join your breakout room
- Stay in the main room to speak to me
- We will regroup at ~6:15 to share lessons learned