

# Class 11 Final Project

Elements of Databases

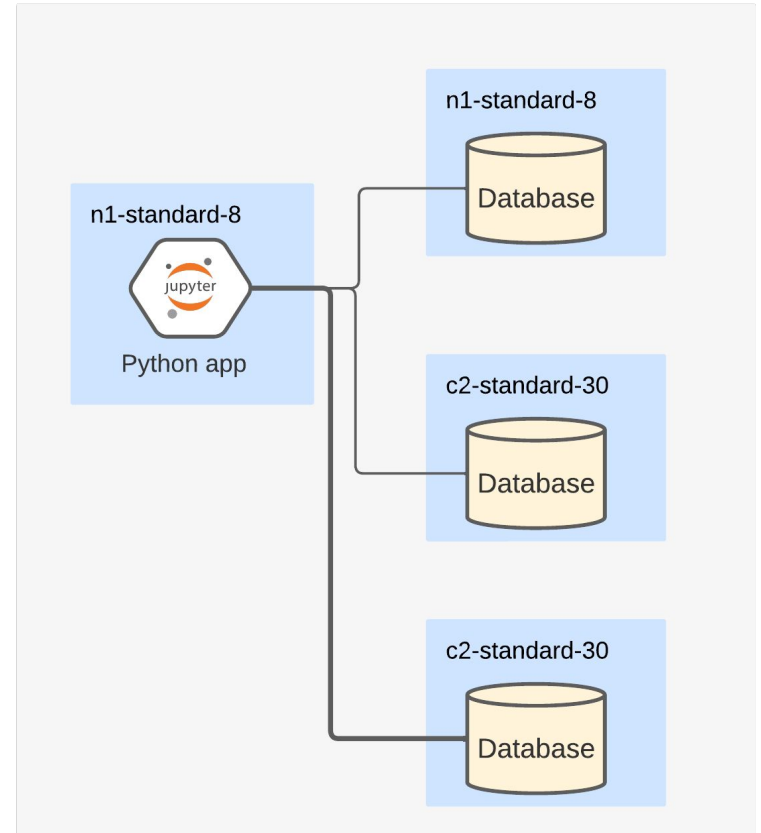
May 6, 2022

# 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