

# Architecture Relay Race (architecture, separation)

*(Whole Class – Group) A physicalization of the processes that occur in communication between the client server and database.*

**Time:** 20 minutes

**Core concept:** How servers/clients/databases relate to each other.

## Materials:

- Scrap Paper Squares (packets, haha)
- Pencils
- Spreadsheet of facts
- List of questions to ask

## Procedure:

- Students group into 3 groups. The teacher is the user. Group 1 is the Database (db) – They have a spreadsheet of facts and cannot move. Group 2 is the server – They run from the db to the client and write down the info from the db. Group 3 is the client – They have to bring the info from the server to the user.
- The user asks the client a question from the list.
- Client runs to the server and asks the same question.
- Server runs to the db and writes down the answer
- Server runs answer to the client.
- After a few iterations swap groups so the clients get to be servers, dbs, etc.

[Link to Spreadsheet of facts](#)

[Link to PDF of questions to ask](#)