

The Broker (distributed databases)

Group members

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Proposal

Our proposal for the project is to construct a broker that receives requests from users, sends queries to multiple databases, gets answers and finally fuses all of these answers back into a whole that is sent to the user. The broker shall have a constant connection to the databases to make the solution scalable.

The databases shall all have the same schema but different data. They shall hold information about travels such as departure, destination and time. One example is to let one database hold travel information about flights, a second database to hold information about buses and a third one to hold information about trains.

If this task is easily done we may add some spatial information about the different departures and destinations and implement ways to calculate the easiest way to get from point A to point B. For example, to get from Umeå to Stockholm you must take the buss to Alvik, the plane to Arlanda and then either the buss or the train to Stockholm. However, this is an extra task that we implement only if there is time left when we are finished with the main task (the broker).