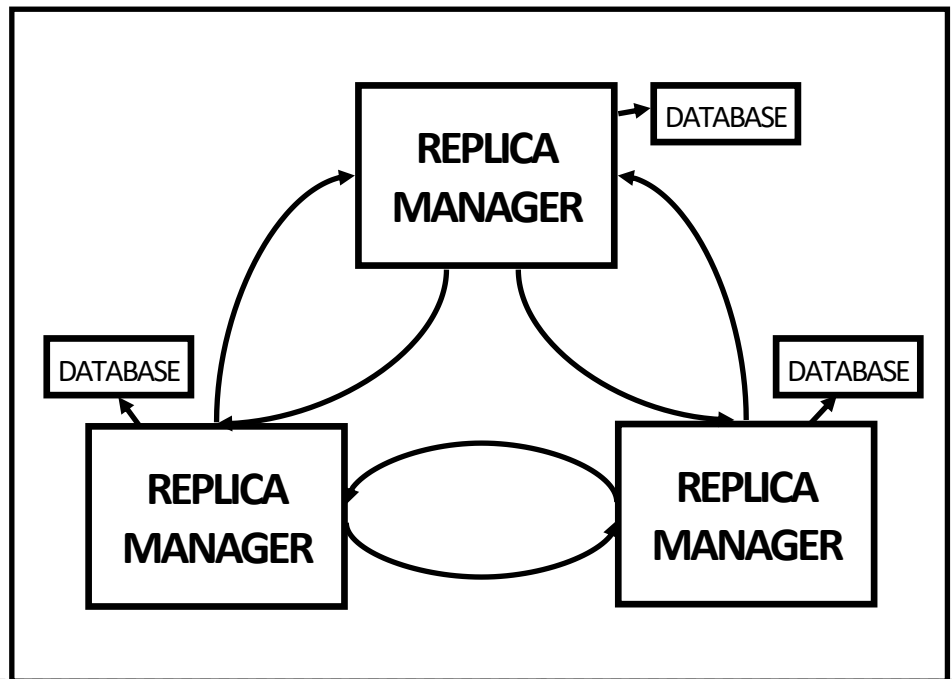


## BACKEND

Takes queries, separates them into requests and updates, and handles them appropriately.

Replica Managers communicate at fixed intervals with another randomly selected replica manager.

See readme for more details.



Passes arguments, and sends the local timestamp. In the case of an update, it tells the server the update is coming from a client.  
Returns a String of results.

request

response

ReplicaInterface:  
query(timestamp, args)  
update(timestamp, args, true)

Processes args[] to check if it's valid, and passes them to server with a stored local timestamp.

FRONTEND

Sends a String[] of arguments.  
Returns a String of results.

query

response

FrontEndInterface:  
request(args)

Provides text-based UI that translates user inputs into a suitable args[]. Upon receiving a response, the response is printed for the client to see. Each client is prompted to enter a username at startup.

CLIENT

CLIENT