Part 3:

Idea is 1 frontend server, presumed to be unable to crash, and many backend replicas. Frontend uses rpc to make backends execute same methods in same order, maintaining same state. Problem – account creation uses SecureRandom, every backend will generate different salts/password hashes. Solution – create accounts client-side, and make “createAccount” take an account as a parameter. Should be safe.

State transfer doesn’t work on a channel that has an rpcdispatcher on it. No idea why. Found stackoverflow question mentioning that, tested, that’s the case