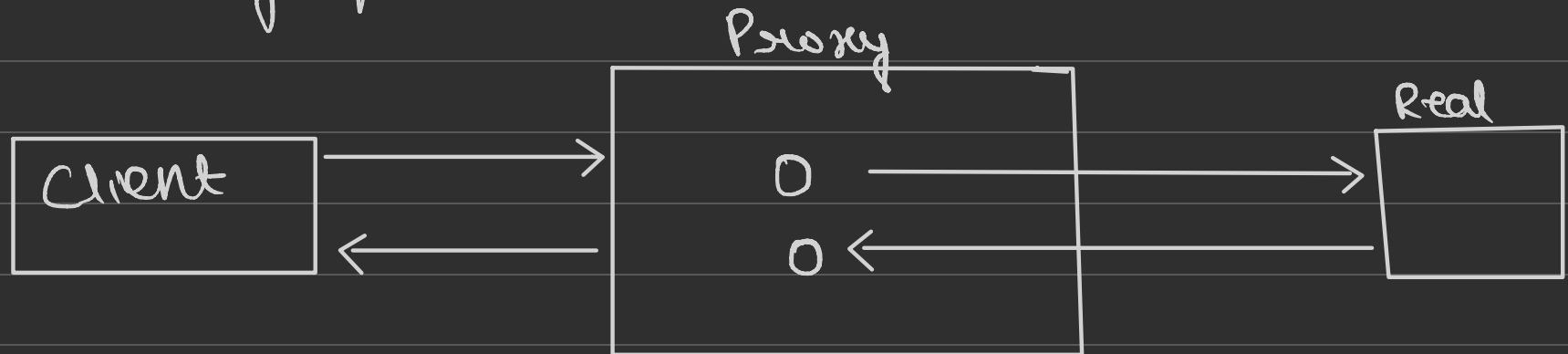
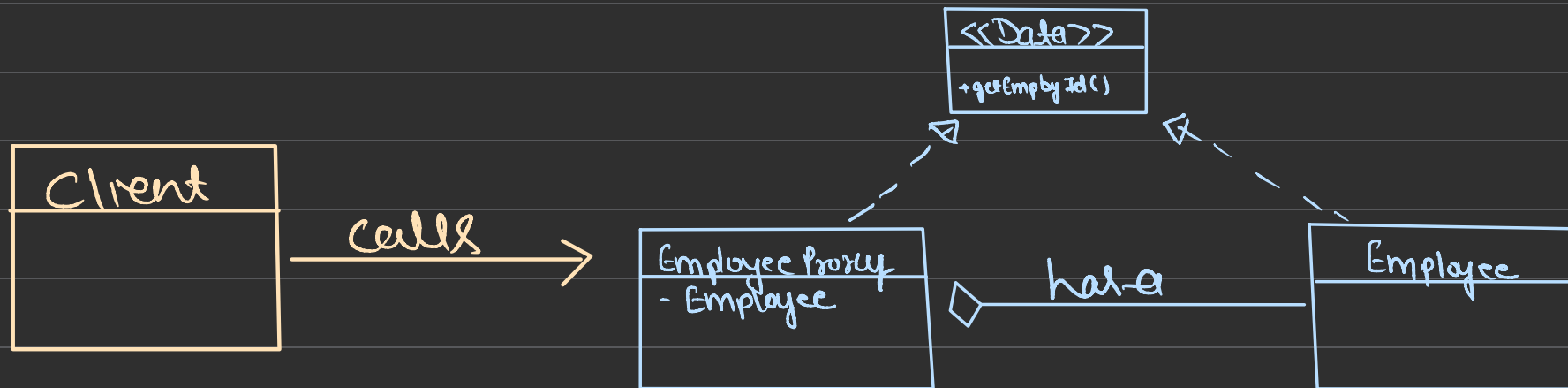


Proxy design pattern

- Structural design pattern
- Placeholder for another object to control access to it.
- Call graph

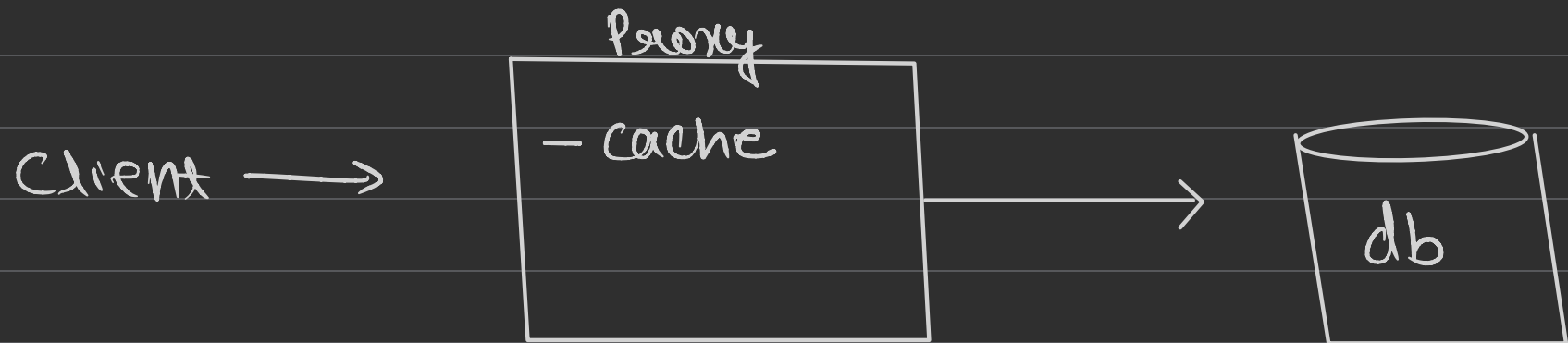


Cache -



How proxy can help -

① Cache



② Access Control - proxy object can check whether request needs to be sent to real object or not? based on user's access. eg. few functions are available only for admins.

③ Lazy initialization - let's say we don't want to initialize the real object until we use it. this can be achieved via proxy objects.