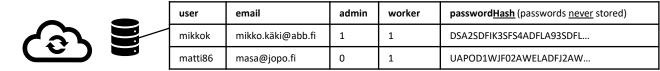
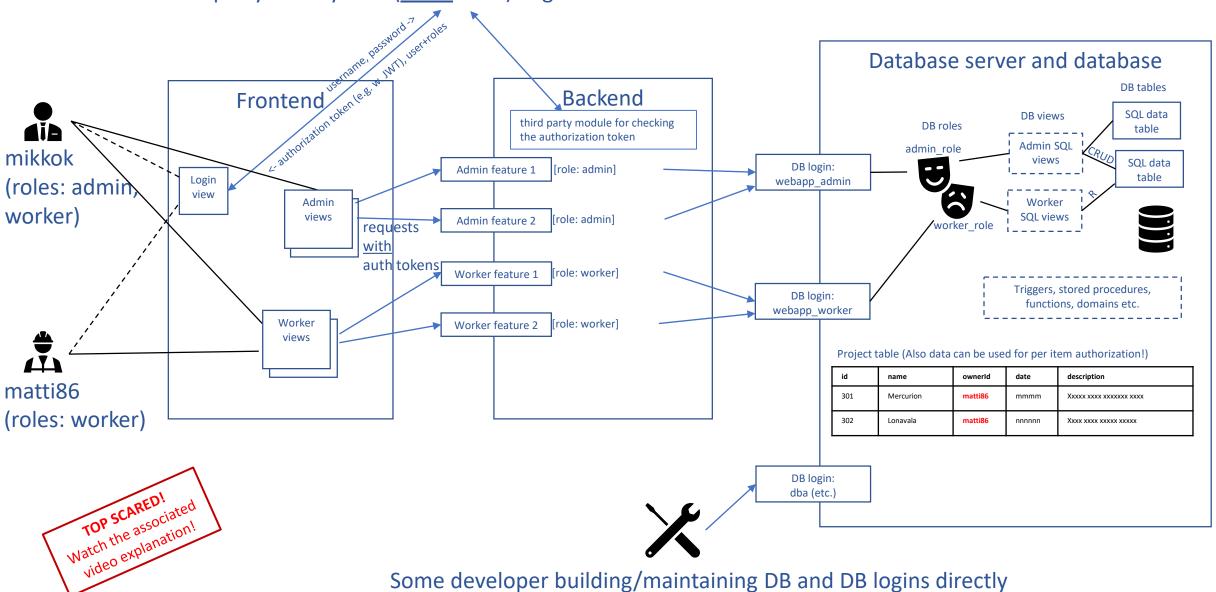
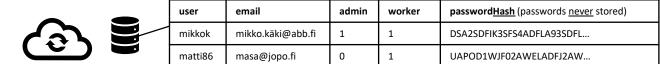
Explanation about Authentication and Authorization in a full-stack app

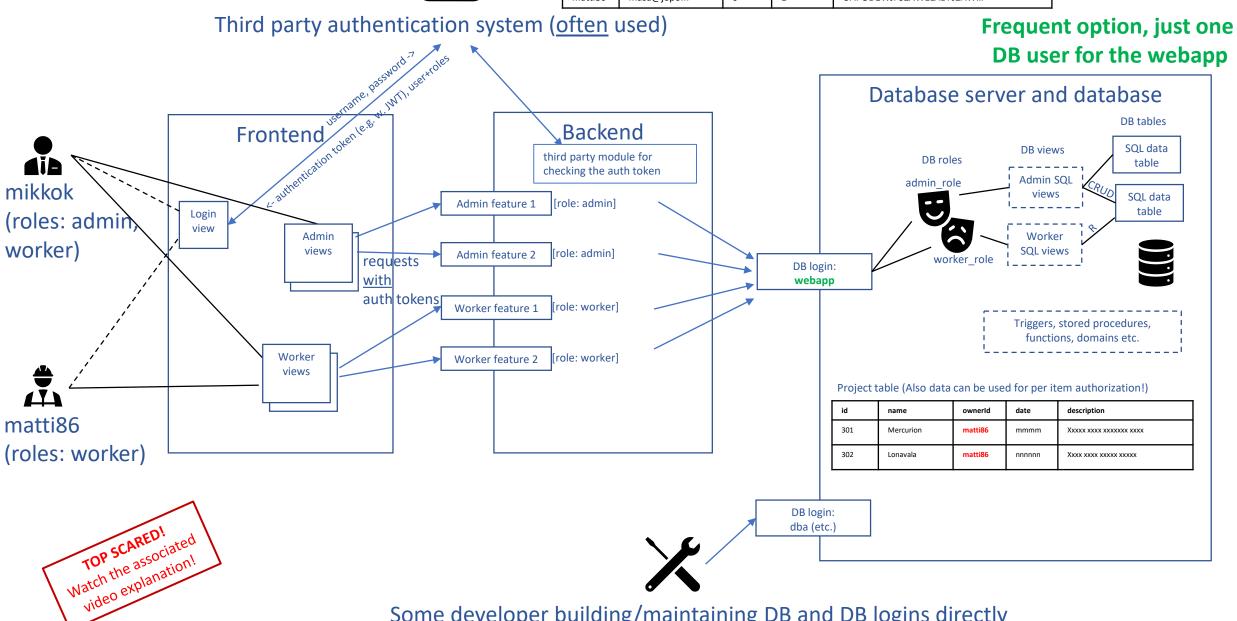
- Frontend
- Possible third party authentication/authorization service
- Backend
- Database server



Third party auth system (often used). E.g. w. OAuth tokens







Some developer building/maintaining DB and DB logins directly

SECURITY NOTES

Especially when database server usually is on another server, behind the internet and firewall, consider these:

- Call you DB user something else than 'app', 'webapp', or 'webapp_user', or 'backend' like 50-90% of the developers call it
 - e.g. call it 'bunker_rat' or 'sochi', those would not be any criminals guesses. Or, maybe they are now, so maybe something else random.
- Whitelist/allow in only those IP addresses from where database connections are allowed.
 - Backend server
 - DBA (database admins computer)
- In all security related aspects, write/collect them to one document and harden them before publishing any systems!