

MEETING NOTES

- BACKEND:
- Users can connect their own remote repository, but we are also going to have an internal git repo for checking changes - using the git API, but enriched
- One in memory database (redis) - using libgit2 library to keep git objects in memory (super fast)
- Peer to peer system with priority, ^ we clarified the above today
- Will use session service to initiate peer to peer, but then will be self sustainable
- We still need to establish firm protocol as to when changes in peer to peer edit mode will be pushed to server
- Determine whether this will be time-based threshold
- If we want to have partitions/relications, we will run into the issue of consistency
- Maybe we should have a protocol that tracks which peer is in charge / single source of truth
- ^ this should be out focus and something we need to figure out soon

- FRONTEND:
- Demo of current features
- Professor recommends
- Cursor of who else is working - this will be within the scope of a backend session
- We need to consider adding a menu option for history within the frontend of each individual project
- This will act as one of our integration points with the sessions / database components
- Needs to be tightly integrated with select features of the peers
- Look into overleaf / create a fake project to see how a menu like this would look like
- We will want to add a chat feature so that teams can quickly message
- Stick with a scenario where every developer is in one session at a time, this will allow us to more easily add a chat feature.
- The challenge is how to auto generate it with accurate information when joined with sessions
- We will eventually need to figure out how to modify the chat if someone else joins abruptly
- Search feature - make it as elementary as possible. Pick a simple approach and reduce it to metadata - does not have to be sophisticated
- Allocate time towards finalizing document and prep presentation,
- Focus on design document - should be good enough for a random team to pick up on the project

TO DO

- Prepare design doc and presentation - focus on this
- Think about elementary search feature
- Start brainstorming chat feature