

Talk App

Reflection Document

While working on the TalkApp, We have faced a few technical challenges but overcoming them as a team, We have learned many things. Here is the reflection of our project work.

- We have worked as a team. We learned to work together and help each other to overcome challenges for the project output.
- We organized weekly/biweekly meetings for status updates and planning and assigning the future work. With these meetings we could get the experience similar to the scrum meetings which can be held in our future and career.
- We have had a few technical challenges as we are working on the client - server model. It was new for all of us. We searched about it and learned how we should prepare an application using that model.
- By creating the project document, we could implement our theoretical knowledge of UML diagrams into practice. So we have learned to analyze and create UML diagrams like Class diagrams, Activity diagrams and flow diagrams.
- While implementing the code we could convert our OOP concepts into practical implementation. We could clarify more on how the Object Oriented Programming works and helps.
- Concepts such as Socket Programming, Networking and API usage to establish the network connection were used.
- Multithreading is used to allow multiple pieces of code to run concurrently.
- Various python libraries are also used like pandas, messagebox, image TK.
- During the implementation phase, we divided the tasks and we were merging through Github. From that process, we could learn how we should resolve conflicts and merge our changes. This source versioning practice can help us in future.
- Once the code is done, We tested it on different use cases and test cases. During this phase, we learned a lot about different sources of issues. Issues can be because of any of the reasons from differences in the OS, Configuration, Version of IDE, Version of libraries etc.