

Exp 4 SE

C22

Aim: To develop activity diagram and DFD for online virtual meeting software.

Theory:

Activity diagram:

① User Authentication Flow: Process starts with black circle representing beginning. A decision point checks whether user is new or an existing user. If the user is new, they need to sign up, otherwise existing user proceed to log in. If there's an error during login due to incorrect creds, the process loops back to allow user to enter creds again. Once authenticated user can proceed further.

② After auth, there are two paths Host path: Host can create meeting & schedule them. They can invite ~~for~~^{attendee} by sharing links. There's step to manage invites before starting the meeting. During meeting hosts can collaborate through video, audio, text, screen sharing. Attendee path: Attendee enters meeting using a meet ID. They join meeting as participant. Like host, they can also chat through video, audio, text or collaborate through screen share.

The process ends with both hosts & attendee leaving meeting represented by an encircled dot. We demonstrated the flow of control for online virtual meeting software using activity diagram.

Dataflow diagrams maps out flow of info for our online virtual meeting software. level 0 DFD depicts online meeting management system as a central entity interacting with 3 external gup ① Host: initiate process by providing meeting details to system. The system then generates meeting info links & recording. This info is sent to ② attendees: who can update their meeting system. finally system provides relevant data to ③ Admins: for report generation which could include meeting data, user info & login details. This high level view showcases core functionality. The level 1 DFD provides a detailed look at inner working user log in their credentials are verified. Hosts can then initiate meeting with details managed by meeting management process which also handles scheduling & sending links to attendees. Concurrently the Recording Management process stores, records attendee management tracks attendee details & interactions using whiteboard API. All data is stored for future access. Admins can generate reports based on this data. The level 2 provided more detail view and all remaining process are simplified to 1 single process here recording management is divided to getting recording id & recording management. Also whiteboard, meeting conduct are simplified further.

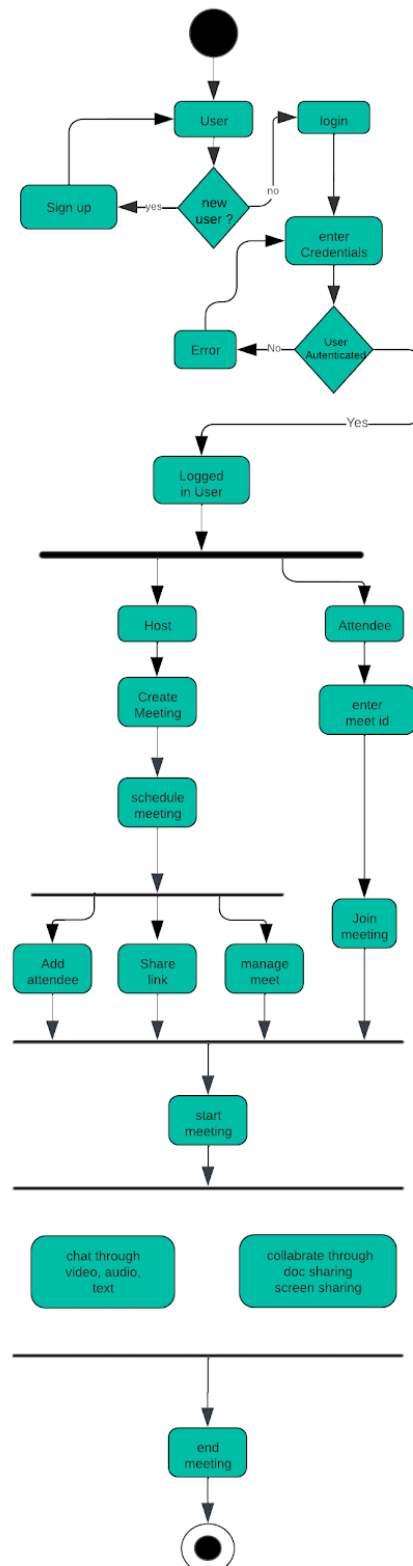
Conclusion: Hence we made activity diagram & Data flow Diagram for our project Online meeting Virtual software.



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Implementation :

1. Activity diagram :

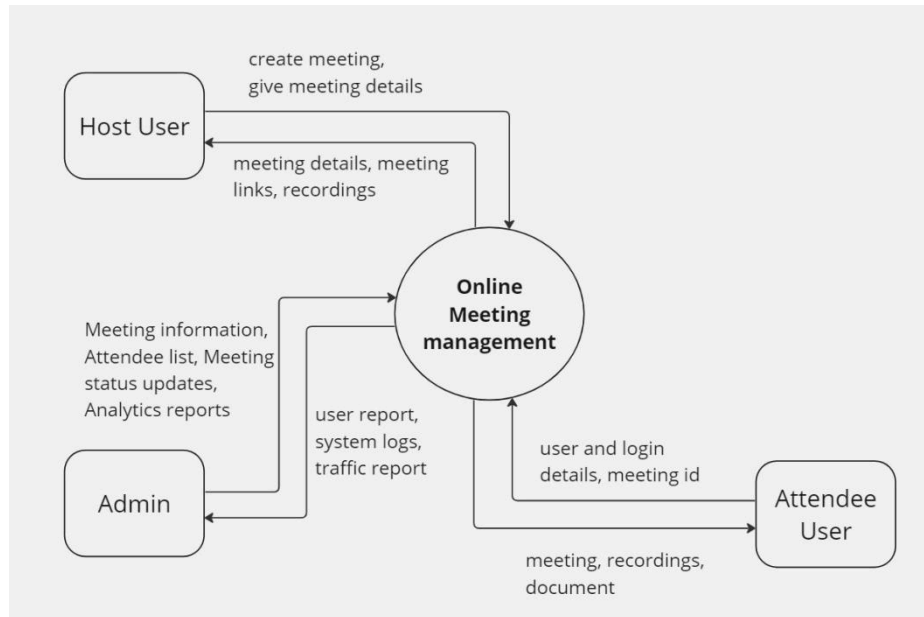




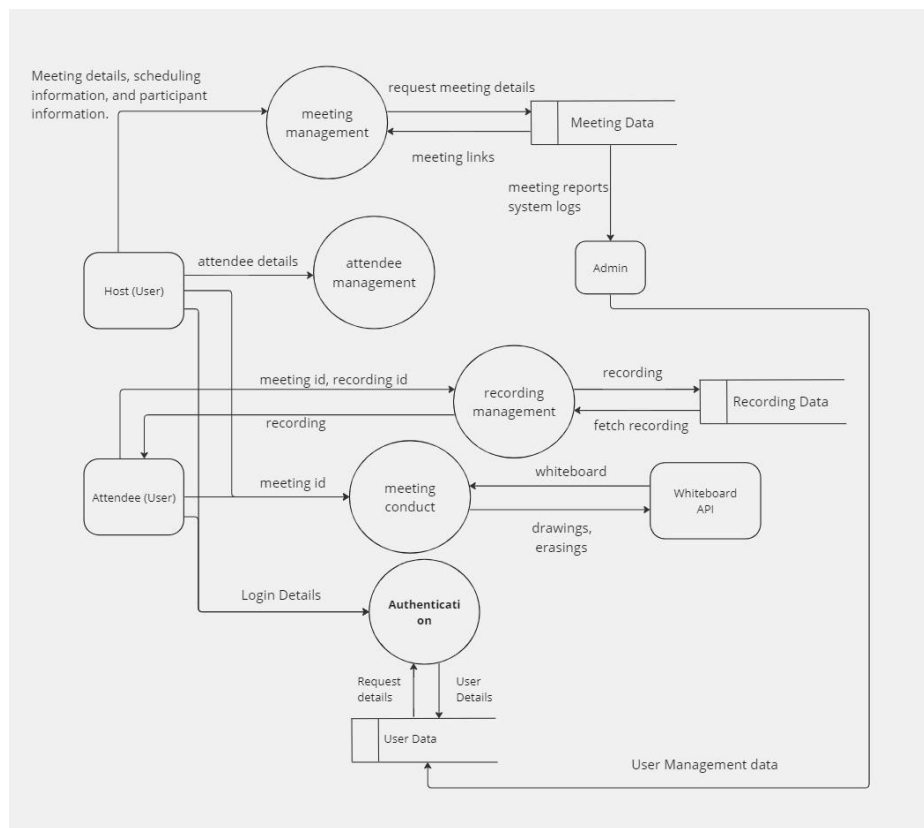
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2. Data Flow diagram :

a. Level 0 :



b. Level 1 :





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c. Level 2 :

