Activity -02

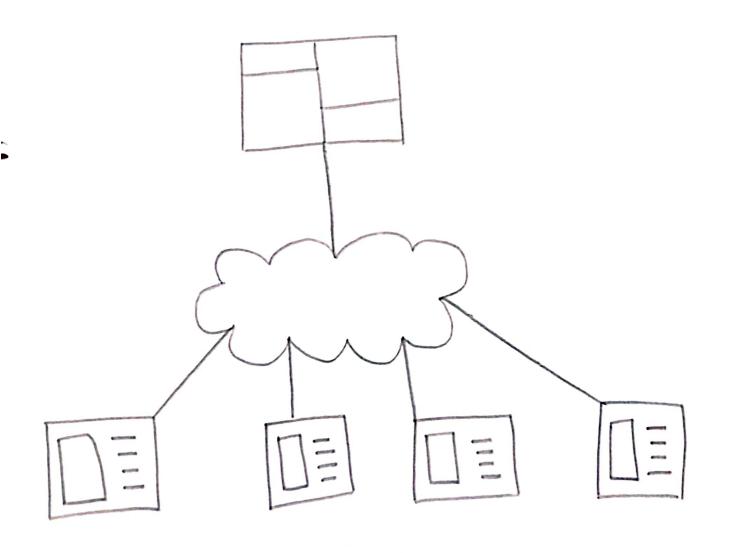
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Section: IT-05

Subject: Software Engineering

Topic! SRS downum of a mulicast intransfer that application



- · Intraduction: -
- -> Purpose of this project is to implement a Java based chat application that will allow users with an internt connection to engage in private 8 public conversations.
- Deresponent of this project is centred upon the sweepment of a missage protocol that would about the application to properly log in user, and misages, and penform pystem maintenance.
 - · Publim introdution!
 - Project has to create a chat application with a screen and vients to enable the vients to that with many other dients in the same common over group.
 - In the case of multicasting when a missage is sent to a group of dienty, then only a single missage is sent to the nouter.
 - Main purpour of this project is to provide musi houting functionality through network.

- in organizational field where employers can commict through LAN.
- -> Inoject does'nt provide energytion facility.
 - · Innavation i das of this project:
- → GOT: easy to use GUT (graphical user interface), hence any user with minimal knowledge of an operating system can use the software.
- -> Platform independence! The musenger operations on any operations system irrelevant of the underlying operations.
- c → Unlimited dients: 'n' number of mex can be connected without any performance dyradation of the cover.
 - · Project objettime:
 - -> Communication: to dwelop an instant mussaying solution to enable usurs to seamlessly communicate with each other

- -> User friendliness: The project should be very eary to use enabling even a movie person to use it.
 - · Scope of the project:
 - → Broadcasting that server application is going to be a tent communication software, it will be able to communicate between 2 computers using paint to point communication.
 - -> The limitation of fine that is it doesn't support audio communication.
 - Internal network setup wirthin the organization makes it very secure from outside attacks.
 - · Project berspettine:
 - Aifferent dients and setwer, this charapplication can be used for group
 discussions. It allows using to find other
 logged in users.

No med for internet communication:

Only internet committee i.e. a

LAN connection is required. This syptem
is usful for those who can't efford to
have an internet connection.

O.

For enamph: schools, colleges & small companies

-> Conjeune possible en CAN:

conferming is not possible. The proposed system about the LAN used to create & participate in conference. This makes communications possible among no of LAN user simultaneously.

· Interfact!

- -> This application intoracts with the user through CrUT. The interface is simple, easy to handle & my-emphainatomy.
- In flow of opplication I easily use all interfaces properly.
- -> Bosic interfoce available in but application n is:
 - 1) Tith panul
 - 2 Content paul
 - lenog minnbA (E)

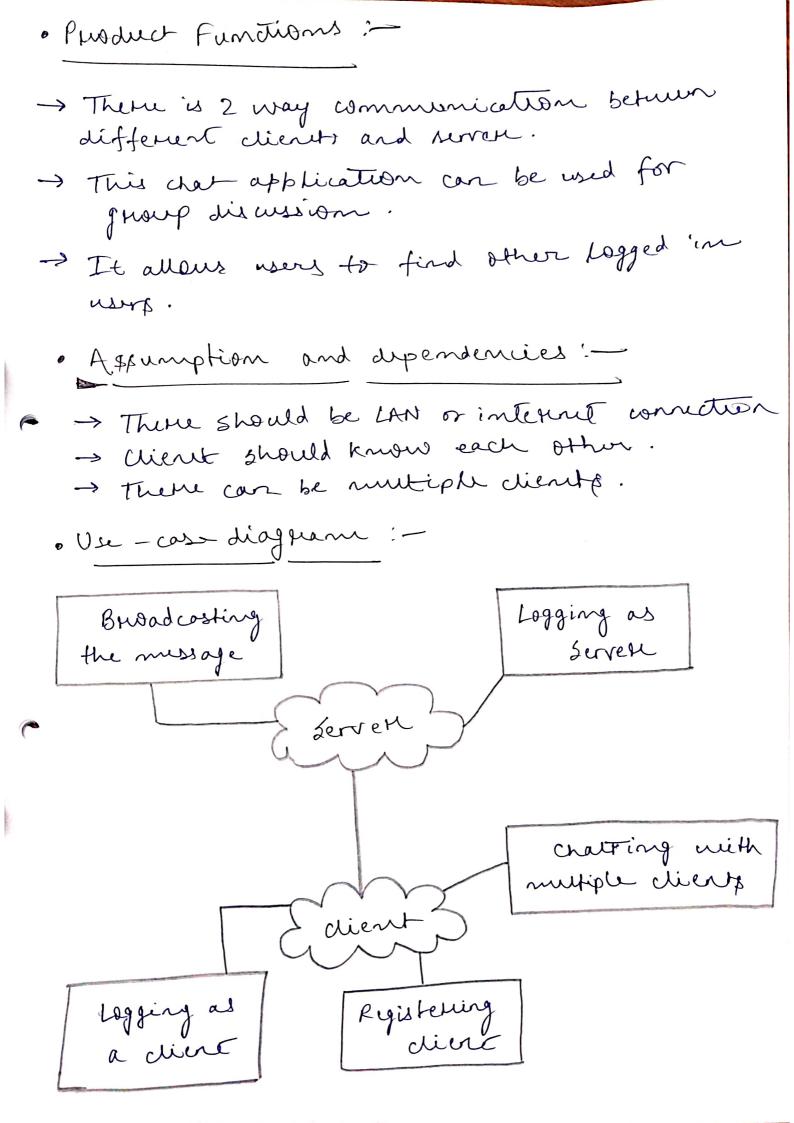
- · Hardware interface:
- -> Minimum sugnisements will be as follows:
 - · 1 GLB RAM
 - · PHOUSSON Speed > 1 GHZ
 - · Internet or LAN commetten
 - · Mouse: 2 or 3 button mouse
 - · kyboard: 101 key kyboard

· Søftware interface:

- -> NOtepad++ is a tent editor and Souther code editor and phonides an environment for dweloping HTML, jsp. Is and many other editing purposes.
- -> Coding done in Jama. JAK 1.4 or abonce is necessary.
 - -> Operating system: Limin

· Constraints:

- -> The opphication does not by any much open the nub-browsen, he must do to open the nub-browsen, he must do so entermally.
- -> the system meds to be permanently connected with internt.

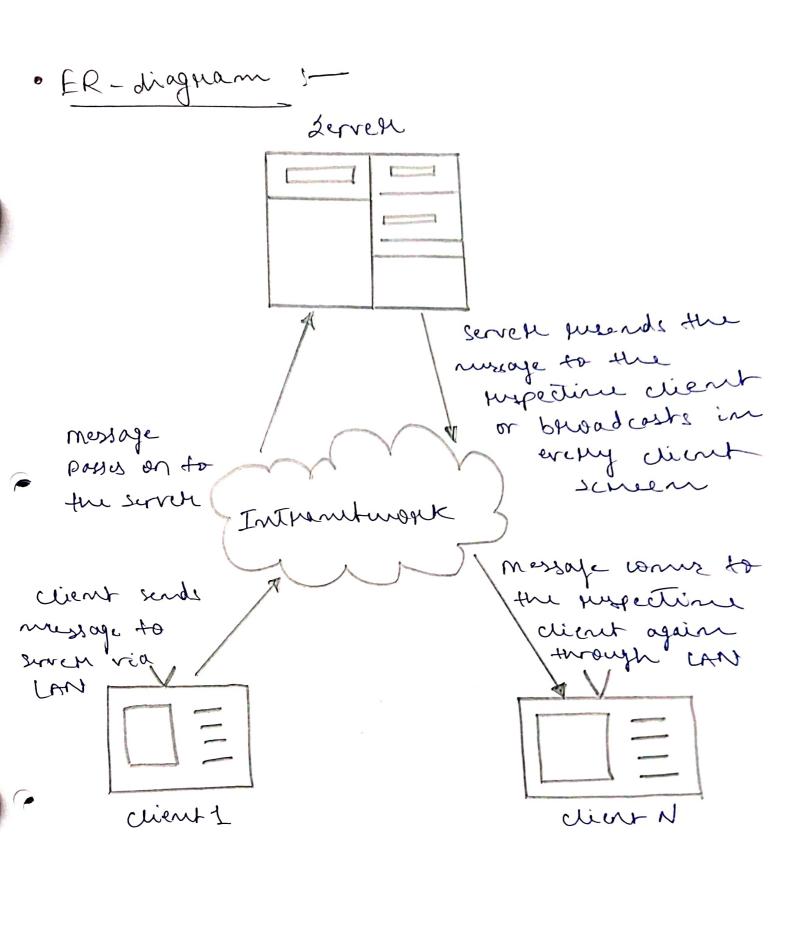


· Adinity diagram for login function: Enter Username & Password Submit username & password Verify username & password Invalid Login I valid Login Redirect to chat dient page

· Attinity diagram for chatting: Enter username & passwood Submit username le passement venify username & password Invalid Login Ivalid Logian redirect to dient that page Login sold dient or group chat

- The diagram suprusents an interdependers
- of between the login I dotting
facilities.

· Arta flow diagram Ver-db/ User Login Nev remification registration regulation Register-db Chatting window Charting Chatting chatting dient 3 cliere 2 dient L 3.1.2 3.1.3 3.1.1 188 one aut ing out Logout 4.0



- · checkist of various types of exures that can exist in an SRS downwent:
 - (1) Omission: some user prejudentes are not included in the Sts document. Omitted requirements may be pulated to features, prejormance, constraints or any other factor.
- (2) Inconsistency: can be due to contradictions within the previously themselves or incompatibility of stated previously of who with actual previously of the client.
 - 3) Incorrect fact: some facts recorded on the SRS document one incorrect.
 - A Ambiguity: error occurs when there are some survivements that have some some survivements, that is, their multiple meanings, that is, their introportation is not unique.