EXECUTION ARCHITECTURE

DOCUMENT

Project Title: CHAT APPLICATION

Version 1.0

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VERSION HISTORY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version#** | **Implemented By** | **Revision Date** | **Approved By** | **Approval Date** | **Reason** |
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Introduction

* 1. **PURPOSE OF EXECUTION ARCHITECTURE**

This Execution Architecture Document is designed to document and track the deployment view of the Chat Application by mapping components to machines. The deployment view will provide information such as the structure and the activities performed.

Structure components include:

* Where Components will be located relative to its hardware.
* Where Connectors will be located relative to its hardware.
* Boundaries are implemented between components.

Activities include:

* The component groups which will interact through connectors.

The purpose of the Execution Architecture is to clearly define these properties for use by the development team. The layout and presentation should be clear and concise. Any changes should be noted in the Version History section at the beginning of the document.

The intended audience of the Chat Application Execution Architecture is all project stakeholders including the project team members, CSCI 656 classmates and Professor Rudolph.

Deployment View (Textual)

The Chat Application Program will be used by at least two clients to communicate with each other through a peer to peer connection.

Prior to communicating, a client must:

1. Register for an account through the server.
2. Log in to the registered account through the server.
3. Receive a user list through the server.
4. Manually refresh the user list for new users.

After the client has fulfilled all prior steps, the client may now send messages to any user on the user list. This user list will allow the client to obtain another user’s IP address to perform a peer to peer connection. At this time all messages sent will be peer to peer between the two clients.

When a client no longer wishes to be on the user list stored on the server’s data base, the user will simply log out.

Deployment View (Graphical)