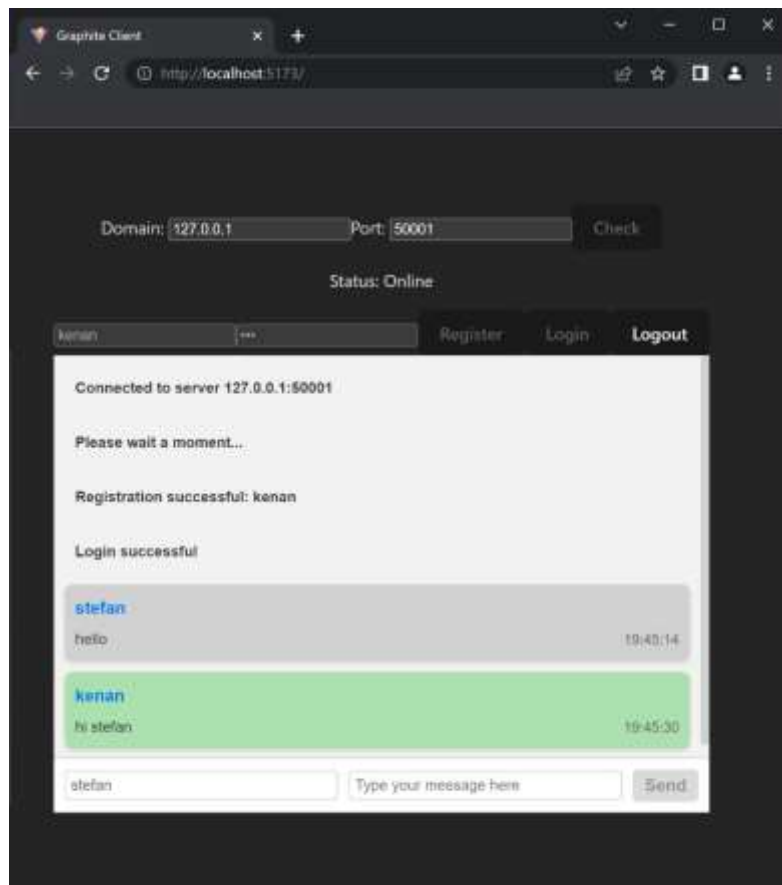


# Project Documentation

## „Graphite“ Chat Client & Server



Stefan Ilic, Kenan Ahmetasevic

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FHNW School of Business

Prof. Dr. Bradley Richards

Business Information Technology

Software Engineering Leadership

## Introduction

We initially wanted for this project to develop a chat client using React. This would be a good challenge for use, since both of us were not familiar with that framework. This choice was driven by our curiosity to delve into a technology that was completely new for us. We also wanted to expand the servers' capabilities by adding new features for group chats.

As the project progressed, we have encountered time and organizational constraints which impacted our development significantly. With these limitations, we were unable to fully realize our choice and our vision. Thus, the group chat feature was not finished and the Graphite client, in its current state, feels somewhat unrefined or "rough" to us.

Regardless of these challenges, the journey through this assignment was very informative. With each problem presenting an opportunity for learning. This assignment has taught us a lot about react.

## Installation

Please refer to the provided readme, provided in the git repository.

[Link to the Server Repository](#)

[Link to the Client Repository](#)

## Usage

Running the Server:

The server runs as a standalone Java application. By default, it uses port 50001. To run the server from the command line, you need to build the app and then, enter: `cd out && java -jar chat-server.jar` in IntelliJ - or simply build and run it using Shift + F10



Running the Client:

1. Start the development server with the following command: `npm run dev`
2. Open your browser and navigate to <http://localhost:5173>.
3. Interact with the Graphite client.

The Client should be used as follows:

Graphite Client

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1. Check if the Server is reachable

Domain:  Port:  Check

Status: Online

2. If the server is online, the login buttons will enable

... Register Login Logout

Connected to server 127.0.0.1:50001

Please wait a moment...

Registration successful: kenan

Login successful

stefan

hello

19:45:14

kenan

hi stefan

19:45:30

Send

3. Enter your credentials and click the button "register". You will be logged in automatically

4. Write down the username and message that you would like to send