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Name of the Project:-
Real Time Chatting Room Web App
Introduction:-

This Project is Real time Chat room web Application using Spring boot. I used WebSocket. WebSocket is a communication protocol for having real-time, bidirectional, and low-latency communication between the web server and the client.

Project Link- https://github.com/durgeshkumargupta/Real-Time-Chat-Web-App-Using-Spring-Boot

GitHub Link- https://github.com/durgeshkumargupta

Necessary Api:-

Config.java

import org.springframework.context.annotation.Configuration;

import org.springframework.messaging.simp.config.MessageBrokerRegistry;

import org.springframework.web.socket.config.annotation.EnableWebSocketMessageBroker;

import org.springframework.web.socket.config.annotation.StompEndpointRegistry;

import org.springframework.web.socket.config.annotation.WebSocketMessageBrokerConfigurer;

@Configuration

@EnableWebSocketMessageBroker

public class Config implements WebSocketMessageBrokerConfigurer {

  @Override

  public void registerStompEndpoints(StompEndpointRegistry registry) {

    registry.addEndpoint("/server1").withSockJS();

  }

  @Override

  public void configureMessageBroker(MessageBrokerRegistry registry) {

    registry.enableSimpleBroker("/topic");

    registry.setApplicationDestinationPrefixes("/app");

  }

}

`MessageController.java`

package com.durgesh.controller;

import org.springframework.messaging.handler.annotation.MessageMapping;

import org.springframework.messaging.handler.annotation.SendTo;

import org.springframework.web.bind.annotation.RequestBody;

import org.springframework.web.bind.annotation.RestController;

import com.durgesh.model.Message;

@RestController

public class MessageController {

   @MessageMapping("/message")

   @SendTo("/topic/return-to")

   public Message getContent(@RequestBody Message message) {

     return message;

   }

}

Screenshot:-

Project Structure:-

Real Time Chat System

Enter your name   Enter

Real Time Chat System

Enter your name   Enter

Real Time Chat System

Enter your name   Enter

Real Time Chat System

Welcome , **Durgesh**

Enter your message   Send   Logout

Real Time Chat System

Welcome , **Prince**

Enter your message   Send   Logout

Real Time Chat System

Welcome , **Aman**

Enter your message   Send   Logout

Real Time Chat System

Welcome , **Durgesh**

Hello   Send   Logout

Aman : Hi
Prince : Hello Everyone
Durgesh : Hello

Real Time Chat System

Welcome , **Prince**

Hello Everyone   Send   Logout

Aman : Hi
Prince : Hello Everyone
Durgesh : Hello

Real Time Chat System

Welcome , **Aman**

Hi   Send   Logout

Aman : Hi
Prince : Hello Everyone
Durgesh : Hello