Menu -_options: String[] -_name: String +Menu(name: String, options: String[], hasBackOption: boolean) +displayMenu(): String -printTitle(): void -printDecorativeLines(): void 1..* <u>CommunicationProtocol</u> +REQUEST USERNAMES: String +LOG_IN: String +CREATE_PROFILE: String +CREATE TOPIC: String +REQUEST TOPIC NAMES: String MenuSystem +ADD SUBSCRIPTION: String +REQUEST NOT SUBSCRIBED TOPIC NAMES: String -ui: UI +REQUEST USERS TOPIC NAMES: String -_mainMenu: Menu +PUBLISH MESSAGE: String -_manageTopics: Menu +MESSAGE LISTENER CONNECTION: String -_manageSubscriptions: Menu +REQUEST SUBSCRIPTIONS NAMES: String -_manageSingleTopic: Menu +REQUEST SUBSCRIPTIONS MESSAGES: String -_topicSettings: Menu +REQUEST NEW MESSAGE COUNT: String -_manageDefaultMessage: Menu +REQUEST AUTO RUN STATUS: String +REQUEST DEFAULT MESSAGES: String +MenuSystem(ui: UI) +TOGGLE AUTO RUN: String +start(): void +ADD_DEFAULT_MESSAGE: String +showMainMenu(): void +DELETE DEFAULT MESSAGE: String +manageTopics(): void +REMOVE SUBSCRIPTION: String +manageSubscriptions(): void +REQUEST WELCOME MESSAGE: String +manageSingleTopic(): void +SET WELCOME MESSAGE: String +manageTopicSettings(): void +REQUEST TOPIC HISTORY: String +manageDefaultMessages(): void +NO ACTION REQUIRED: String +NAME_TAKEN: String +PROFILE DELETED: String Use +MESSAGE NOTIFICATION: String Use Client -_username: String -_primaryTcpClient: TcpClient UI -_secondaryTcpClient: TcpClient -_connectionsClose: boolean -_client: Client +Client(primaryTcpClient: TcpClient, secondaryTcpClient: TcpClient) +UI(client: Client) +sendServerMessage(message: String): String +start(): void +closeConnections(): void +selectProfile(): String +connectionsWereClose(): boolean +checkeUsername(userChoice: String): String +requestSubscriptionNames(): String[] +quit(): void +requestDefaultMessages(topicName: String): String[] +getTopicToManage(): String +requestMyTopicNames(): String[] +vewTopicHistory(topicName: String): void +requestUsernames(): String[] +changeWelcomeMessage(topicName: String): void +requestWelcomeMessage(topicName: String): String +publishMessage(topicName: String) +publishMessage(topicName: String, message: String): void +createNewTopic(): void +getUsername(): String +viewMyTopics(): void +requestAllTopicNames(): String[] +toggleAutoRun(topicName: String): void +requestNotYetSubscribedTopicNames(): String[] +addDefaultMessage(topicName: String): void +requestSubscriptionsMessages(topicName: String): String[] +deleteDefaultMessage(topicName: String): void +requestNewMessageCount(topicName: String): int +viewDefaultMessages(topicName: String): void +requestAutoRunStatus(topicName: String): boolean +subscribeToTopic(): void +toggleAutoRun(topicName: String): String +unsubscribeFromTopic(): void +addDefaultMessage(topicName: String, message: String): void +viewMySubscriptions(): void +deleteDefaultMessage(topicName: String, message: String): int +veiwSubscriptionMessages(): void +subscribeToTopic(topicName: String): void -askQuestionMultipleChoice(question: String, options: String[]): int +unsubscribeFromTopic(topicName: String): void -askQuestionFreeResponse(question: String): String +requestTopicHistory(topicName: String): String[] -getValidatedString(question: String): String +setWelcomMessage(topicName: String, welcomeMessage: String): voi -makeStatement(statement: String): void +setUsername(String: username): void -printListWithTitle(title: String, list: String[], postStatement: String): void -parseString(combinedString: String): String[]