# Blazor Server Chat App - Help

# Blazor Server Chat App (.NET 9)

A real-time chat application built with Blazor Server, SignalR, and EF Core (SQLite) — with emoji support, private/public messaging, and persistent history.

## Features

- ✅ Real-time SignalR messaging

- ✅ Private + public chat

- ✅ Emoji picker (emoji-button)

- ✅ SQLite persistence

- ✅ xUnit unit testing

- ✅ .NET 9 support

- ✅ Docker + GitHub Actions

## Project Structure

BlazorChatAppNet9/

├── BlazorChatApp.sln

├── BlazorChatApp/ # Main app

│ └── Pages/, Shared/, Data/, wwwroot/

├── BlazorChatApp.Tests/ # Unit tests

## How to Run

### Prerequisites

- .NET 9 SDK (preview)

- Visual Studio 2022 v17.13+ or CLI

### Run

- `dotnet run --project BlazorChatApp`

### Test

- `dotnet test BlazorChatApp.Tests`

## Docker

Build and run:

```bash

docker-compose up --build

```

## CI/CD

Uses GitHub Actions to:

- Checkout repo

- Restore, build, test

- Publish release

## Notes

- Chat history saved to `chat.db`

- Emojis inserted via JS

- Use prompt to choose username