Package 'shiny.ollama'

January 16, 2025

Version 0.1.0

Title R 'Shiny' Interface for Chatting with Large Language Models
Offline on Local with 'ollama'

Description Chat with large language models on your machine without internet with complete privacy via 'ollama', powered by R shiny interface. For more information on 'ollama', visit <https://ollama.com>.

Maintainer Indraneel Chakraborty <hello.indraneel@gmail.com>

License Apache License (>= 2)

URL https://www.indraneelchakraborty.com/shiny.ollama/,
https://github.com/ineelhere/shiny.ollama

BugReports https://github.com/ineelhere/shiny.ollama/issues

Encoding UTF-8

Imports shiny (>= 1.7.0), bslib (>= 0.4.0), httr (>= 1.4.0), jsonlite
(>= 1.8.0), markdown, mockery

Depends R (>= 3.5.0)

Suggests testthat (>= 3.0.0), pkgdown (>= 2.0.0)

Config/testthat/edition 3

RoxygenNote 7.3.2

Date 2025-01-12

NeedsCompilation no

Author Indraneel Chakraborty [aut, cre]
(<https://orcid.org/0000-0001-6958-8269>)

Repository CRAN

Date/Publication 2025-01-16 15:40:02 UTC

Contents

Index   **5**

---

fetch_models   *Fetch available models from Ollama API*

Description

Fetch available models from Ollama API

Usage

```
fetch_models()
```

Value

Character vector of model names or an error message

---

format_chat_history   *Convert chat history to downloadable format*

Description

Convert chat history to downloadable format

Usage

```
format_chat_history(messages, format = c("HTML", "CSV"))
```

Arguments

messages	List of chat messages
format	Character string specifying format ("HTML" or "CSV")

Value

Formatted chat history as a character string (HTML) or a data frame (CSV)

---

format_message_md   *Helper function to format messages in markdown*

Description

Helper function to format messages in markdown

Usage

```
format_message_md(role, content)
```

Arguments

role   Character string specifying the role (User/Assistant/System)

content   Character string containing the message content

Value

Character string formatted as markdown

---

run_app   *Run shiny Application for Chat Interface*

Description

Launches a shiny app for interacting with the Ollama API to perform text-based chat.

Usage

```
run_app()
```

Details

The app provides a user-friendly interface for chatting with LLMs using Ollama, including model selection, message sending, and chat history export.

Value

No return value, called for side effects.

Examples

```
if (interactive()) {
  run_app()
}
```

---

send_ollama_message   *Send message to Ollama API and get response*

Description

Send message to Ollama API and get response

Usage

```
send_ollama_message(message, model)
```

Arguments

message	Character string containing the user message
model	Character string specifying the model name

Value

A list with elements 'success' (logical) and either 'response' (character) or 'error' (character)

Index