

Package: shiny.ollama (via r-universe)

March 12, 2025

Version 0.1.2

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

Description Chat with large language models like 'deepseek-r1',
'nemotron', 'llama', 'qwen' and many more on your machine
without internet with complete privacy via 'ollama', powered by
R 'shiny' interface. For more information on 'ollama', visit
<<https://ollama.com>>.

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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

LazyData true

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 2025-01-29

Repository <https://ineelhere.r-universe.dev>

RemoteUrl <https://github.com/ineelhere/shiny.ollama>

RemoteRef HEAD

RemoteSha a73e16117a1966010825576ccdb1b985d89c95ed

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check_ollama	<i>Check if Ollama is running</i>
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Description

This function checks whether the Ollama server is running at ‘http://localhost:11434/’. It sends a request to the URL and determines if the server is reachable.

Usage

```
check_ollama()
```

Value

A character string: “ollama is running” if the server is accessible, otherwise “ollama is not running”.

fetch_models	<i>Fetch available models from Ollama API</i>
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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 *Format a message as markdown*

Description

This helper function formats a message with a specified role (e.g., "User", "Assistant", "System Status") into a markdown-styled string. If the role is "System Status", it includes the status of the Ollama server.

Usage

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

Arguments

role	A character string specifying the role (e.g., "User", "Assistant", "System Status").
content	A character string containing the message content.

Value

A character string formatted as markdown.

parse_message	<i>Parse a markdown-formatted message</i>
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Description

This function extracts the role and content from a markdown-formatted message.

Usage

```
parse_message(message)
```

Arguments

message	A character string containing the markdown-formatted message.
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Value

A list with two elements:

role	A character string representing the role (e.g., "User", "Assistant", "System").
content	A character string containing the extracted message content.

run_app	<i>Run shiny Application for Chat Interface</i>
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Description

Launches a shiny app for interacting with the Ollama API

Usage

```
run_app()
```

Value

No return value, called for side effects.

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,  
    temperature,  
    num_ctx,  
    top_k,  
    top_p,  
    system,  
    messages  
)
```

Arguments

message	Character string containing the user message
model	Character string specifying the model name
temperature	Numeric value specifying the temperature
num_ctx	Integer value specifying the number of contexts
top_k	Integer value specifying the top K
top_p	Numeric value specifying the top P
system	Character string specifying the system
messages	List of messages

Value

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

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