



ICT Training Center

Il tuo partner per la Formazione e la Trasformazione digitale della tua azienda



Note

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

SPRING AI

GENERATIVE ARTIFICIAL INTELLIGENCE CON JAVA

Simone Scannapieco

Corso avanzato per Venis S.p.A, Venezia, Italia

Novembre 2025

Note

[illegible]



CONCETTI AVANZATI

Note

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

- ## Interfaccia Chat Memory

 Simone Scannapieco

Note

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

- ## Interfaccia per ogni *chat memory* advisor

Customizzazione *id* conversazione

4 / 10

Note

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

- 1 Creazione modello per richiesta domanda con *username*
- 2 Modifica interfaccia e implementazione del servizio di risposta
- 3 Modifica controllore MVC
- 4 Test delle funzionalità con Postman/Insomnia

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

```
package it.venis.ai.spring.demo.model;

import java.util.Objects;
import java.util.UUID;

public record QuestionRequest(UUID id, String username, Question body) {

    public QuestionRequest(String username, Question body) {

        this(UUID.randomUUID(), username, body);

    }

    @Override
    public String username() {

        return Objects.requireNonNullElse(this.username, "default");

    }

}
```

[illegible]

```
package it.venis.ai.spring.demo.services;

import it.venis.ai.spring.demo.model.Answer;
import it.venis.ai.spring.demo.model.Question;
import it.venis.ai.spring.demo.model.QuestionRequest;

public interface QuestionService {

    Answer getGeminiAnswer(Question question);

    Answer getOllamaAnswer(Question question);

    Answer getOllamaDefaultAnswer(Question question);

    Answer getOllamaMemoryAwareAnswer(Question question);

    Answer getOllamaPerUserMemoryAwareAnswer(QuestionRequest request);

}
```

[illegible]


```
package it.venis.ai.spring.demo.services;

...

@Service
@Configuration
public class QuestionServiceImpl implements QuestionService {

    private final ChatClient geminiChatClient;
    private final ChatClient ollamaChatClient;
    private final ChatClient ollamaMemoryChatClient;

    public QuestionServiceImpl(@Qualifier("geminiChatClient") ChatClient geminiChatClient,
                              @Qualifier("ollamaChatClient") ChatClient ollamaChatClient,
                              @Qualifier("ollamaMemoryChatClient") ChatClient ollamaMemoryChatClient) {
        this.geminiChatClient = geminiChatClient;
        this.ollamaChatClient = ollamaChatClient;
        this.ollamaMemoryChatClient = ollamaMemoryChatClient;
    }

    ...

    @Override
    public Answer getOllamaPerUserMemoryAwareAnswer(QuestionRequest request) {
        return new Answer(this.ollamaMemoryChatClient
            .prompt()
            .advisors(advisorSpec -> advisorSpec.param(ChatMemory.CONVERSATION_ID, request.username()))
            .user(request.body().question())
            .call()
            .content());
    }
}
```

Note

[illegible]

```
package it.venis.ai.spring.demo.controllers;

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

import it.venis.ai.spring.demo.model.Answer;
import it.venis.ai.spring.demo.model.Question;
import it.venis.ai.spring.demo.model.QuestionRequest;
import it.venis.ai.spring.demo.services.QuestionService;

@RestController
public class QuestionController {

    ...

    @PostMapping("/ollama/ask/memory")
    public Answer getOllamaMemoryAwareAnswer(@RequestBody Question question) {

        return this.service.getOllamaMemoryAwareAnswer(question);
    }

    @PostMapping("/ollama/ask/memory/user")
    public Answer getOllamaPerUserMemoryAwareAnswer(@RequestBody QuestionRequest request) {

        return this.service.getOllamaPerUserMemoryAwareAnswer(request);
    }
}
```

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

10 / 10

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.