



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

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

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Note

[illegible]



CUSTOM PROMPT TEMPLATES

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 approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface. There is no handwriting or other markings on the paper.

- Simone Scannapieco

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, typical of notebook paper. There are no margins, text, or other markings on the page.

File get-custom-format-definition-prompt.st

 Simone Scannapieco

Note

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

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

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

public interface GeminiFromClientService {

    String getAnswerFromClient(String question);

    Answer getAnswerFromClient(Question question);

    Answer getDefinitionFromClient(DefinitionRequest definitionRequest);

    Answer getCustomFormatDefinitionFromClient(DefinitionRequest definitionRequest);

}
```

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

import java.util.Map;
import org.springframework.ai.chat.client.ChatClient;
import org.springframework.ai.template.st.StTemplateRenderer;
import org.springframework.beans.factory.annotation.Value;
import org.springframework.core.io.Resource;
import org.springframework.stereotype.Service;
import it.venis.ai.spring.demo.model.Answer;
import it.venis.ai.spring.demo.model.DefinitionRequest;
import it.venis.ai.spring.demo.model.Question;

@Service
public class GeminiFromClientServiceImpl implements GeminiFromClientService {

    private final ChatClient chatClient;

    public GeminiFromClientServiceImpl(ChatClient.Builder chatClientBuilder) {
        this.chatClient = chatClientBuilder.build();
    }

    @Override
    public String getAnswerFromClient(String question) {
        return this.chatClient.prompt()
            .user(question)
            .call()
            .content();
    }
}
```

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```
...
@Override
public Answer getAnswerFromClient(Question question) {
    return new Answer(getAnswerFromClient(question.question()));
}

@Value("classpath:templates/get-definition-prompt.st")
private Resource definitionPrompt;

...

@Value("classpath:templates/get-custom-format-definition-prompt.st")
private Resource customFormatDefinitionPrompt;

@Override
public Answer getCustomFormatDefinitionFromClient(DefinitionRequest definitionRequest) {
    return new Answer(this.chatClient.prompt()
        .user(u -> u.text(this.customFormatDefinitionPrompt)
            .params(Map.of("lemma", definitionRequest.lemma())))
        .templateRenderer(StTemplateRenderer.builder().startDelimiterToken('<')
            .endDelimiterToken('>')
            .build())
        .call()
        .content());
}
}
```

[illegible]


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

import org.springframework.web.bind.annotation.RestController;
...
import it.venis.ai.spring.demo.services.GeminiFromClientService;
import org.springframework.web.bind.annotation.PostMapping;
import org.springframework.web.bind.annotation.RequestBody;

@RestController
public class QuestionFromClientController {

    private final GeminiFromClientService geminiService;

    public QuestionFromClientController(GeminiFromClientService geminiService) {
        this.geminiService = geminiService;
    }

    @PostMapping("/client/ask")
    public Answer askQuestionFromClient(@RequestBody Question question) {
        return this.geminiService.getAnswerFromClient(question);
    }

    @PostMapping("/client/definition")
    public Answer getDefinitionFromClient(@RequestBody DefinitionRequest definitionRequest) {
        return this.geminiService.getDefinitionFromClient(definitionRequest);
    }

    @PostMapping("/client/definition/custom")
    public Answer getCustomFormatDefinition(@RequestBody DefinitionRequest definitionRequest) {
        return this.geminiService.getCustomFormatDefinitionFromClient(definitionRequest);
    }
}
```

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9 / 9

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