

Lecture 31: OpenAI Image model

Introduction:

- This lecture focuses on **implementing image generation** using the **OpenAI Image Model** in Spring AI.
- A new controller class, **ImageGenController**, is created for handling image requests.

Code Implementation:

```
@RestController
public class ImageGenController {

    private ChatClient chatClient;
    private OpenAiImageModel openAiImageModel;

    public ImageGenController(OpenAiImageModel openAiImageModel, ChatClient.Builder builder) {
        this.openAiImageModel = openAiImageModel;
        this.chatClient = builder.build();
    }
}
```

Key Points:

- **Dependencies**
 - ChatClient: Used for AI interactions.
 - OpenAiImageModel: Used for image generation.
- **Constructor Injection**
 - Accepts OpenAiImageModel and ChatClient.Builder.
 - Builds a ChatClient instance.
 - Initializes openAiImageModel.